01314500 INDIAN LAKE NEAR INDIAN LAKE, NY

LOCATION.--Lat 43°45'20", long 74°16'35", Hamilton County, Hydrologic Unit 02020001, at Indian Lake Dam on Indian River, and 2.0 mi south of village of Indian Lake.
DRAINAGE AREA.--131 mi^2.
PERIOD OF RECORD.--July 1900 to current year. Prior to October 1956, published as "Indian Lake Reservoir near Indian Lake."
REVISED RECORDS.--WDR NY-94-1: 1993 (change in contents).
GAGE.--Water-stage recorder. Prior to January 1998, nonrecording gage read once daily. Datum of gage is NGVD of 1929.
REMARKS.--Reservoir is formed by masonry dam, completed in 1898. Usable capacity, about 4.668 bil ft^3 at elevation, 1,651.29 ft (crest of spillway). Sills of double sluice gates at lowest outlet at elevation 1,615.50 ft. Dead storage unknown, Water is used for power development, for improvement of navigation in lower Hudson River, and to compensate for flow diverted from Hudson River at Glens Falls into Champlain (Barge) Canal. Hudson River-Black River Regulating District telephone gage-height telemeter at station.
COOPERATION.--Elevation record provided by Board of Hudson River-Black River Regulating District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 1,656.71 ft, Mar. 28, 1913, contents, 5.781 bil ft^3; minimum observed, about 1,616.8 ft, Feb. 13, 1948, contents, 0.20 bil ft^3.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 1,651.91 ft, May 16, contents, 4.790 bil ft^3; minimum observed, 1,639.37 ft, Mar. 2, contents, 2.619 bil ft^3.

Capacity table
(elevation, in feet, and contents, in billions of cubic feet)

1,635.0	1.958	1,648.0	4.068
1,636.0	2.110	1,653.0	5.007
1,638.0	2.417	1,655.0	5.419
1,643.0	3.221	1,657.0	5.844

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1643.41	1643.01	1643.01	1641.35	1639.77	1639.44	1641.42	1651.16	1651.26	1650.01	1647.97	1645.84
2	1643.34	1643.03	1643.20	1641.20	1639.87	1639.37	1641.73	1651.13	1651.41	1649.95	1647.94	1645.78
3	1643.31	1643.05	1643.25	1641.14	1640.02	1639.36	1642.02	1651.36	1651.56	1649.92	1647.89	1645.70
4	1643.27	1643.09	1643.27	1641.01	1640.09	1639.47	1642.37	1651.19	1651.58	1649.89	1647.82	1645.61
5	1643.23	1643.16	1643.22	1640.94	1640.15	1639.58	1642.64	1651.06	1651.47	1649.86	1647.75	1645.51
6	1643.18	1643.26	1643.24	1640.79	1640.16	1639.63	1642.85	1650.98	1651.40	1649.80	1647.66	1645.47
7	1643.13	1643.32	1643.08	1640.67	1640.16	1639.61	1643.04	1650.96	1651.46	1649.73	1647.60	1645.39
8	1643.09	1643.28	1643.01	1640.60	1640.10	1639.58	1643.13	1650.91	1651.43	1649.66	1647.52	1645.29
9	1643.04	1643.28	1642.95	1640.53	1640.02	1639.52	1643.26	1650.95	1651.38	1649.59	1647.44	1645.19
10	1643.01	1643.25	1642.87	1640.53	1639.92	1639.73	1643.83	1650.99	1651.28	1649.50	1647.36	1645.13
11	1642.97	1643.23	1642.79	1640.45	1639.93	1640.42	1644.53	1650.91	1651.25	1649.44	1647.28	1644.97
12	1642.93	1643.21	1642.68	1640.44	1639.98	1640.52	1645.13	1650.84	1651.18	1649.37	1647.18	1644.97
13	1642.89	1643.18	1642.62	1640.37	1640.01	1640.54	1645.70	1650.91	1651.26	1649.30	1647.09	1644.91
14	1642.85	1643.13	1642.49	1640.32	1640.01	1640.61	1647.32	1651.48	1651.25	1649.19	1647.01	1644.83
15	1642.81	1643.11	1642.48	1640.29	1639.92	1640.65	1649.10	1651.67	1651.24	1649.13	1646.93	1644.80
16	1642.73	1643.05	1642.56	1640.20	1639.84	1640.76	1650.41	1651.91	1651.41	1649.09	1646.88	1644.76
17	1642.76	1643.04	1642.53	1640.18	1639.76	1640.91	1650.98	1651.83	1651.53	1649.03	1646.83	1644.76
18	1642.78	1642.99	1642.54	1640.12	1639.70	1641.01	1651.31	1651.71	1651.30	1648.94	1646.75	1644.69
19	1642.78	1642.97	1642.54	1640.09	1639.63	1641.05	1651.50	1651.58	1651.30	1648.87	1646.66	1644.62
20	1642.76	1642.87	1642.46	1640.05	1639.52	1641.06	1651.41	1651.46	1651.07	1648.80	1646.60	1644.56
21	1642.74	1642.89	1642.39	1639.97	1639.47	1641.10	1651.39	1651.31	1650.80	1648.76	1646.52	1644.47
22	1642.71	1642.87	1642.30	1639.84	1639.48	1641.06	1651.24	1651.11	1650.44	1648.66	1646.47	1644.42
23	1642.69	1642.82	1642.20	1639.86	1639.52	1641.01	1651.19	1650.96	1650.33	1648.57	1646.40	1644.54
24	1642.73	1642.76	1642.10	1639.79	1639.50	1640.98	1650.93	1650.96	1650.17	1648.53	1646.37	1644.52
25	1642.90	1642.72	1642.05	1639.80	1639.47	1640.93	1650.44	1650.93	1650.06	1648.50	1646.31	1644.48
26	1642.89	1642.69	1641.96	1639.71	1639.42	1640.97	1650.30	1650.91	1649.91	1648.42	1646.24	1644.40
27	1642.92	1642.70	1641.84	1639.70	1639.42	1640.97	1650.66	1650.86	1650.02	1648.36	1646.15	1644.37
28	1642.92	1642.70	1641.73	1639.65	1639.37	1640.92	1650.86	1650.81	1650.06	1648.30	1646.09	1644.54
29	1642.95	1642.68	1641.65	1639.63	---	1640.97	1650.99	1650.81	1650.08	1648.22	1646.00	1644.63
30	1642.93	1642.82	1641.55	1639.61	---	1641.06	1651.15	1650.96	1650.08	1648.14	1645.98	1644.63
31	1642.95	---	1641.40	1639.62	---	1641.06	---	1650.99	---	1648.08	1645.89	---
MEAN	1642.95	1643.01	1642.52	1640.27	1639.79	1640.45	1647.43	1651.15	1650.97	1649.08	1646.92	1644.93
MAX	1643.41	1643.32	1643.27	1641.35	1640.16	1641.10	1651.50	1651.91	1651.58	1650.01	1647.97	1645.84
MIN	1642.69	1642.68	1641.40	1639.61	1639.37	1639.36	1641.42	1650.81	1649.91	1648.08	1645.89	1644.37
‡	3.221	3.213	2.959	2.684	2.642	2.942	4.643	4.645	4.423	4.067	3.708	3.504
‡‡	-26.9	-3.1	-94.8	-103	-17.4	+112	+656	+0.7	-85.6	-133	-134	-78.7

CAL YR 2001 MEAN 1645.10 MAX 1651.70 MIN 1637.58 ‡‡ -25.9
WTR YR 2002 MEAN 1644.98 MAX 1651.91 MIN 1639.36 ‡‡ + 6.69

‡ Contents, in billions of cubic feet, at 2400 hours on last day of month, by interpolation.
‡‡ Change in contents, equivalent in cubic feet per second.

01315000 INDIAN RIVER NEAR INDIAN LAKE, NY

LOCATION.--Lat 43°45'23", long 74°16'03", Hamilton County, Hydrologic Unit 02020001, on right bank 0.8 mi downstream from Indian Lake Dam, 1.0 mi upstream from Big Brook, and 2.0 mi south of village of Indian Lake.
DRAINAGE AREA.--132 mi^2.
PERIOD OF RECORD.--July 1912 to June 1914, June 1915 to September 1915 (monthly discharges only, published in WSP 1302), October 1915 to current year.
REVISED RECORDS.--WDR NY-94-1: 1993.
GAGE.--Water-stage recorder. Datum of gage is 1,604.23 ft above NGVD of 1929. Prior to Aug. 30, 1916, nonrecording gage at same site and datum.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by Indian Lake (see station 01314500).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,460 ft^3/s, Mar. 28, 1913, gage height, 7.8 ft; minimum, has been less than 1.0 ft^3/s, at times when entire flow of river is stored in Indian Lake.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 884 ft^3/s, May 16, gage height, 3.77 ft; minimum, 33 ft^3/s, Apr. 4, 5, 6, 7, 8, gage height, 0.85 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	74	189	285	180	270	194	546	132	159	157	151
2	135	75	189	285	179	270	189	548	152	159	158	151
3	135	75	197	285	178	273	36	552	164	158	156	151
4	135	75	300	283	178	272	34	546	427	158	155	151
5	135	75	300	282	178	271	34	543	516	158	155	151
6	135	75	300	282	178	270	34	539	373	158	155	151
7	135	90	299	281	186	270	33	481	289	158	155	151
8	135	133	299	251	270	270	34	300	284	158	155	151
9	135	133	298	146	270	273	37	303	272	158	155	149
10	134	133	297	124	270	280	37	302	262	158	155	149
11	133	133	296	180	270	276	35	298	260	158	155	148
12	133	133	294	180	270	276	35	298	259	158	154	147
13	133	133	294	180	270	277	41	313	260	158	154	147
14	133	133	294	180	270	278	43	552	258	158	155	147
15	117	133	296	180	270	279	43	853	264	158	155	147
16	75	136	294	180	268	280	250	869	282	158	155	148
17	74	160	294	180	267	279	724	827	558	158	155	147
18	74	160	294	179	267	281	754	792	745	158	155	147
19	74	160	294	178	267	281	772	760	732	158	155	143
20	74	160	294	178	266	282	736	730	723	158	155	139
21	74	160	292	178	267	282	705	713	716	158	155	139
22	74	160	291	178	267	282	684	709	713	157	155	139
23	74	160	290	178	269	281	675	382	709	158	155	139
24	74	160	289	178	270	281	670	252	434	157	155	138
25	74	160	288	178	270	280	664	252	356	157	154	137
26	74	160	288	178	270	280	417	251	233	156	153	137
27	74	159	287	178	271	280	294	249	160	156	153	140
28	73	158	287	177	270	279	297	249	160	155	153	138
29	74	160	288	177	---	276	305	155	159	155	153	137
30	73	170	287	177	---	193	368	107	159	155	152	137
31	73	---	286	177	---	194	---	113	---	155	151	---
TOTAL	3180	3986	8785	6253	6906	8416	9174	14384	11011	4881	4793	4347
MEAN	103	133	283	202	247	271	306	464	367	157	155	145
MAX	135	170	300	285	271	282	772	869	745	159	158	151
MIN	73	74	189	124	178	193	33	107	132	155	151	137

ADJUSTED FOR CHANGE IN CONTENTS OF INDIAN LAKE

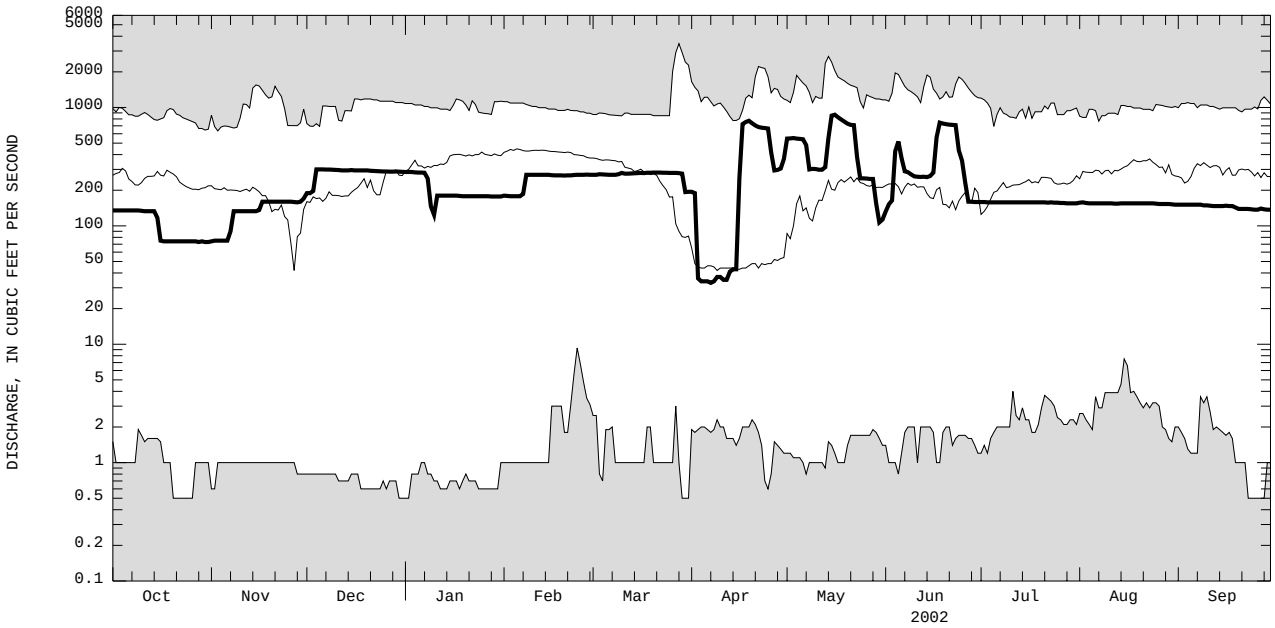
MEAN	76.6	127	188	102	228	382	961	466	282	23.3	19.1	65.9
CFSM	0.58	0.96	1.43	0.77	1.73	2.90	7.28	3.53	2.14	0.18	0.14	0.50
IN	0.67	1.07	1.64	0.89	1.80	3.34	8.12	4.07	2.39	0.20	0.17	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2002, BY WATER YEAR (WY)

MEAN	265	219	260	359	408	284	201	317	259	272	354	342
MAX	808	649	777	944	980	745	867	799	907	644	700	862
(WY)	1978	1977	1973	1933	1932	1913	2000	1996	1947	1939	1930	1935
MIN	2.31	1.20	0.74	3.13	36.7	5.69	2.51	2.42	3.30	4.43	47.7	24.9
(WY)	1919	1914	1931	1924	1945	1925	1927	1958	1958	1931	1975	1965

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1912 - 2002	
ANNUAL TOTAL	96785		86116			
ANNUAL MEAN	265		236		295	
ANNUAL MEAN (ADJUSTED)	239		243			
HIGHEST ANNUAL MEAN					457	1976
LOWEST ANNUAL MEAN					106	1931
HIGHEST DAILY MEAN	762	May 3	869	May 16	3460	Mar 28 1913
LOWEST DAILY MEAN	73	Apr 15	33	Apr 7	0.50	Sep 23 1913
ANNUAL SEVEN-DAY MINIMUM	74	Oct 25	35	Apr 3	0.50	Oct 20 1913
ANNUAL RUNOFF (CFSM, ADJUSTED)	1.81		1.84			
ANNUAL RUNOFF (INCHES, ADJUSTED)	24.59		24.96			
10 PERCENT EXCEEDS	473		396		632	
50 PERCENT EXCEEDS	207		178		249	
90 PERCENT EXCEEDS	121		100		9.0	

01315000 INDIAN RIVER NEAR INDIAN LAKE, NY--Continued



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.

01315500 HUDSON RIVER AT NORTH CREEK, NY

LOCATION.--Lat 43°42'03", long 73°59'02", Warren County, Hydrologic Unit 02020001, on left bank 125 ft upstream from bridge on State Highway 28N in village of North Creek, 500 ft upstream from North Creek, and 26 mi downstream from Indian Lake.
DRAINAGE AREA.--792 mi^2.
PERIOD OF RECORD.--September 1907 to current year.
REVISED RECORDS.--WSP 621: Drainage area. WSP 1432: 1908-18, 1920, 1922. WDR NY-78-1: 1977.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 987.51 ft above NGVD of 1929. Prior to Oct. 15, 1930, nonrecording gages at sites 80 ft and 125 ft downstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Appreciable regulation by Indian Lake (see station 01314500) and other reservoirs upstream from station. National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,900 ft^3/s, Dec. 31, 1948, gage height, 12.14 ft; minimum, 79 ft^3/s, Sept. 5, 6, 1999, gage height, 1.94 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,200 ft^3/s, Apr. 14, gage height, 9.48 ft; minimum, 116 ft^3/s, Sept. 9, gage height, 2.07 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	514	508	2250	670	1140	e1250	2780	3030	2600	706	420	274
2	470	655	2580	678	e1300	e1150	3090	2940	2520	726	340	263
3	416	738	2100	e680	e1500	1370	3000	3230	2010	539	535	182
4	277	819	1740	679	e1500	2120	3110	3230	1700	605	465	207
5	263	869	1540	679	e1300	e1900	2710	2940	1770	441	318	218
6	404	859	1390	666	1230	e1700	2410	2520	2010	524	416	218
7	422	796	1260	668	1150	1590	2000	2260	1910	433	265	293
8	453	748	1140	e640	1030	1420	1670	1980	1450	330	377	238
9	362	750	1060	e600	1020	1400	1870	2030	1350	450	230	146
10	367	730	974	524	933	3580	4160	1900	1180	305	347	172
11	356	729	903	532	e920	3960	5160	1670	1050	433	298	196
12	344	730	855	603	e920	3390	5170	1540	1140	275	195	195
13	371	670	858	e620	e920	2880	6830	2330	1510	399	314	197
14	367	631	907	e580	e920	2450	15300	7220	1500	339	197	275
15	377	604	1170	e580	e900	2310	15200	7080	1610	245	335	236
16	365	595	1250	e560	e900	2490	12200	5740	2360	356	204	211
17	360	607	1160	e560	881	2760	10000	4810	2890	232	334	246
18	396	673	1130	561	e820	2690	8440	4310	3140	372	277	275
19	421	651	1080	536	798	2420	6840	3850	2530	235	183	272
20	416	628	1010	e540	786	2160	5500	3230	2170	422	315	259
21	397	620	e940	e560	875	1970	4420	2840	1860	347	177	326
22	446	613	e880	e540	1160	1750	3420	2550	1680	249	313	267
23	655	590	e820	e560	e1200	1580	2840	2190	1700	397	202	275
24	725	560	e820	548	e1200	1470	2660	1690	1530	278	353	485
25	648	559	e800	e660	1110	1350	2530	1530	1240	417	298	535
26	617	596	e760	e780	1080	1300	2220	1460	917	256	197	454
27	639	712	e720	e840	1270	1330	2050	1400	925	416	318	435
28	607	773	e700	e820	1350	1480	1910	1380	869	358	190	1030
29	559	785	e700	e780	---	1260	2530	1230	990	261	312	1360
30	505	1180	701	808	---	1580	3010	1270	951	397	207	1020
31	469	---	686	1060	---	2260	---	2090	---	270	321	---
TOTAL	13988	20978	34884	20112	30113	62320	145030	87470	51062	12013	9253	10760
MEAN	451	699	1125	649	1075	2010	4834	2822	1702	388	298	359
MAX	725	1180	2580	1060	1500	3960	15300	7220	3140	726	535	1360
MIN	263	508	686	524	786	1150	1670	1230	869	232	177	146

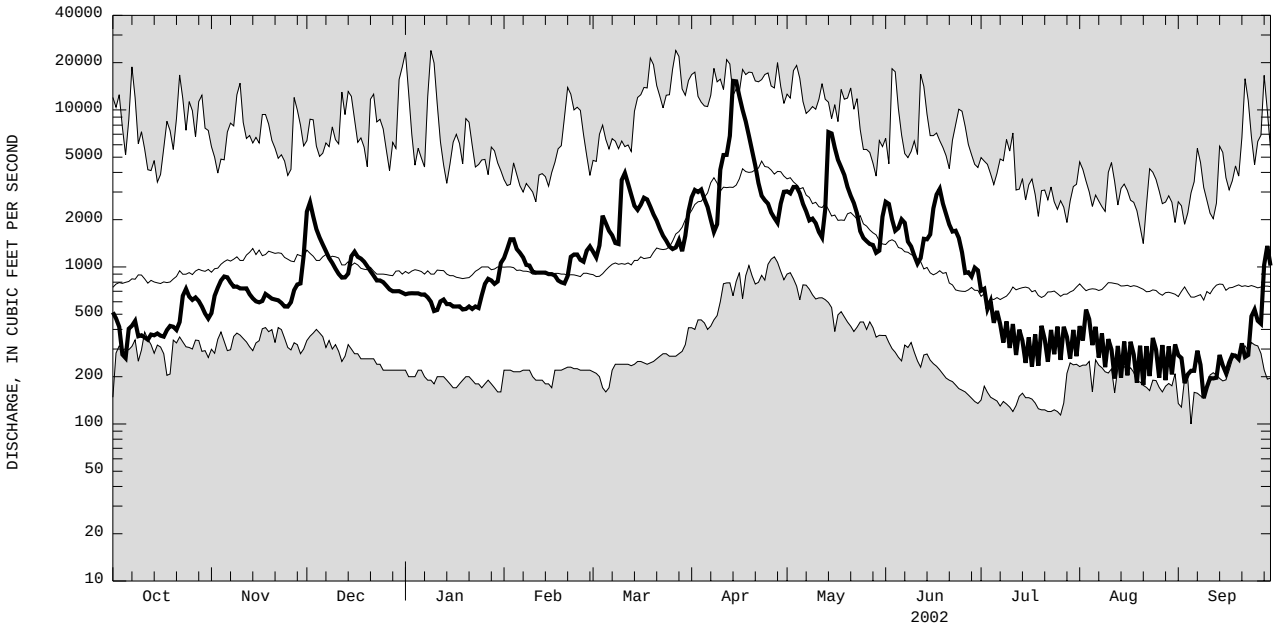
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2002, BY WATER YEAR (WY)

MEAN	1160	1477	1330	1188	1104	1850	4260	2827	1289	835	782	870
MAX	3923	3089	3277	3730	3846	5643	7258	6671	4768	2252	1701	2455
(WY)	1978	1989	1984	1998	1981	1921	1993	1971	1947	1947	1986	1938
MIN	409	427	299	189	223	257	1335	772	353	161	257	359
(WY)	1964	1924	1931	1931	1940	1940	1995	1987	1988	1934	1985	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1907 - 2002	
ANNUAL TOTAL	516370		497983			
ANNUAL MEAN	1415		1364		1580	
HIGHEST ANNUAL MEAN					2449	1976
LOWEST ANNUAL MEAN					862	1965
HIGHEST DAILY MEAN	16800	Apr 24	15300	Apr 14	23900	Mar 27 1913
LOWEST DAILY MEAN	244	Sep 17	146	Sep 9	100	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	304	Sep 14	202	Sep 9	120	Jul 20 1934
10 PERCENT EXCEEDS	2920		2840		3350	
50 PERCENT EXCEEDS	780		808		990	
90 PERCENT EXCEEDS	375		273		460	

e Estimated

01315500 HUDSON RIVER AT NORTH CREEK, NY--Continued



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.

01318500 HUDSON RIVER AT HADLEY, NY

LOCATION.--Lat 43°19'08", long 73°50'41", Saratoga County, Hydrologic Unit 02020001, on right bank at Hadley, 400 ft downstream from outlet of Lake Luzerne, and 0.3 mi upstream from Sacandaga River.
DRAINAGE AREA.--1,664 mi^2.
PERIOD OF RECORD.--July 1921 to current year.
REVISED RECORDS.--WSP 561: 1921-22. WSP 756: Drainage area. WSP 1432: 1931 (m).
GAGE.--Water-stage recorder. Datum of gage is 563.99 ft above NGVD of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Some diurnal fluctuation caused by powerplant on Schroon River. Flow regulated by Indian Lake (see station 01314500) and other reservoirs upstream from station. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,700 ft^3/s, Jan. 1, 1949, gage height, 21.21 ft; minimum, 196 ft^3/s, Sept. 3, 1999, gage height, 0.63 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge for the flood of March 27, 1913, was about 49,000 ft^3/s, based on peak runoff comparison with a station 12.7 mi upstream (drainage area 1,533 mi^2).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 15	1300	*21,400	*12.54	No other peak greater than base discharge.			

Minimum discharge, 247 ft^3/s, Sept. 11, gage height, 0.84 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	835	812	2150	1040	1240	2450	5440	5580	3900	1550	482	435
2	746	867	2990	e1050	1970	2360	5780	5430	3930	1300	658	395
3	692	1000	2660	1010	2480	2830	5640	5880	3450	1260	666	400
4	635	1070	2240	e1000	2520	3970	5640	5610	2950	1070	790	351
5	511	1150	2030	931	2320	3610	5340	5430	2810	1060	716	311
6	486	1170	1890	1010	1910	3410	4900	4920	2950	888	563	341
7	594	1140	1770	982	1850	3190	4480	4440	3130	917	614	329
8	620	1070	1640	961	1750	2880	4050	4040	2620	815	490	376
9	637	1040	1570	935	1680	2750	3780	3840	2360	717	554	346
10	525	1030	1470	e900	1620	4580	5260	3760	2170	791	444	311
11	552	1030	1400	e900	2270	6280	7220	3400	1960	646	505	269
12	542	1040	1320	970	2560	5260	7370	3150	1970	724	480	288
13	527	1010	1290	e1000	2320	4870	7910	3840	2480	580	396	293
14	545	953	1330	e1000	1960	4370	17100	10200	2500	651	449	313
15	599	912	1640	942	1920	4120	21000	11200	2520	596	391	368
16	603	893	1860	e940	1830	4070	19500	9750	3610	513	447	466
17	576	881	1800	941	1780	4370	16100	8460	4130	574	416	428
18	566	902	1780	923	1690	4350	14400	7640	4490	488	441	379
19	614	940	1720	884	1620	4110	12200	7200	4030	588	412	392
20	587	927	1630	799	1570	3850	10300	6350	3480	585	379	385
21	617	893	1550	877	1760	3630	8630	5630	3140	664	401	379
22	588	882	1410	887	2220	3300	7180	5060	2790	584	366	463
23	679	864	1200	892	2380	3020	6260	4670	2820	502	408	659
24	900	837	e1200	890	2320	2850	5560	3890	2760	604	391	590
25	1050	834	e1150	1000	2200	2670	5570	3450	2330	502	491	662
26	971	894	e1100	1120	2140	2570	4930	3210	1980	593	451	684
27	943	913	1060	1230	2450	2920	4620	3010	1880	479	371	658
28	945	1010	1100	1260	2580	3090	4270	2850	2010	586	413	1300
29	899	1020	1070	1260	---	3100	5080	2680	1810	559	371	1710
30	850	1200	1060	1300	---	3530	5550	2410	1790	472	445	1690
31	798	---	1040	1280	---	4680	---	2950	---	552	380	---
TOTAL	21232	29184	49120	31114	56910	113040	241060	159930	84750	22410	14781	15971
MEAN	685	973	1585	1004	2032	3646	8035	5159	2825	723	477	532
MAX	1050	1200	2990	1300	2580	6280	21000	11200	4490	1550	790	1710
MIN	486	812	1040	799	1240	2360	3780	2410	1790	472	366	269

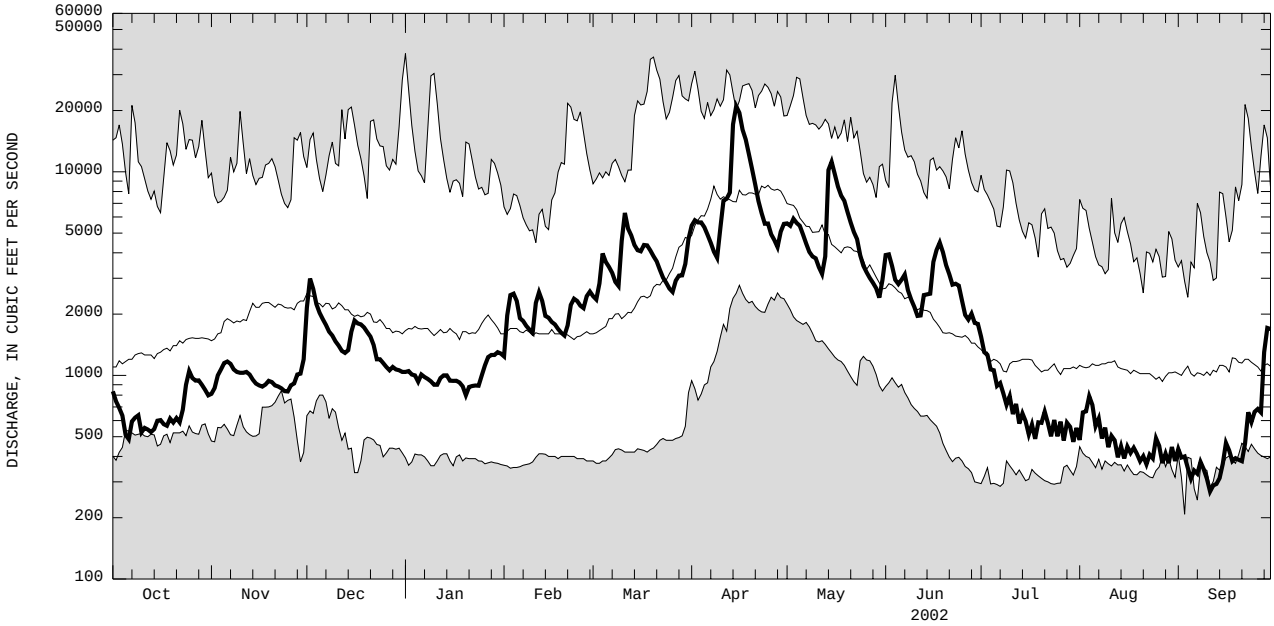
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2002, BY WATER YEAR (WY)

MEAN	1904	2643	2551	2239	2014	3668	8423	5303	2441	1448	1197	1328
MAX	7087	5657	6925	6876	6948	11670	14230	11820	9497	4201	2947	4135
(WY)	1978	1960	1984	1998	1981	1936	1993	1972	1947	1935	2000	1938
MIN	575	681	551	397	384	451	2531	1576	737	392	396	532
(WY)	1965	1931	1931	1931	1940	1940	1995	1987	1988	1934	1985	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1922 - 2002	
ANNUAL TOTAL	897032		839502			
ANNUAL MEAN	2458		2300		2928	
HIGHEST ANNUAL MEAN					4574	1976
LOWEST ANNUAL MEAN					1408	1965
HIGHEST DAILY MEAN	27000	Apr 24	21000	Apr 15	38100	Jan 1 1949
LOWEST DAILY MEAN	370	Sep 19	269	Sep 11	208	Sep 3 1999
ANNUAL SEVEN-DAY MINIMUM	424	Sep 14	313	Sep 9	299	Jul 20 1934
10 PERCENT EXCEEDS	5420		5260		6500	
50 PERCENT EXCEEDS	1300		1230		1800	
90 PERCENT EXCEEDS	574		446		775	

e Estimated

01318500 HUDSON RIVER AT HADLEY, NY--Continued



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.

01321000 SACANDAGA RIVER NEAR HOPE, NY

LOCATION.--Lat 43°21'10", long 74°16'15", Hamilton County, Hydrologic Unit 02020002, on left bank 1.5 mi downstream from West Branch Sacandaga River, on State Highway 30, and 4.5 mi upstream from Hope.
DRAINAGE AREA.--491 mi^2.
PERIOD OF RECORD.--September 1911 to current year.
GAGE.--Water-stage recorder. Datum of gage is 881.31 ft above NGVD of 1929. Prior to July 24, 1929, nonrecording gage at site 300 ft upstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Some seasonal regulation on West Branch Sacandaga River at Piseco Lake Outlet, about 17 mi upstream, and, since 1959, diurnal fluctuation caused by powerplant 4 mi upstream from station at Lake Algonquin. Minor fluctuations caused by mill upstream. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft^3/s, Mar. 27, 1913, gage height, 11.0 ft, from floodmarks at site then in use; maximum gage height, 13.32 ft, Mar. 1, 1955 (ice jam); minimum discharge, about 16 ft^3/s, Sept. 30, 1913, gage height, 1.17 ft; minimum gage height, 1.03 ft, Sept. 1, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 14	0300	*14,800	*7.88	No other peak greater than base discharge.			

Minimum discharge, 26 ft^3/s, Sept. 14, gage height, 1.09 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	213	246	1930	439	e1000	e1100	3500	2110	1930	703	69	53
2	146	312	1470	e580	e1600	e1100	3180	2180	1710	595	68	50
3	130	322	1180	e600	e1400	1770	2860	2570	1510	509	106	48
4	121	325	1020	e620	e1200	2560	2820	2190	1310	396	95	47
5	134	327	896	e620	e1000	e1800	2370	1950	1230	335	77	50
6	101	333	761	e600	e940	e1600	2070	1620	1180	277	66	45
7	103	289	628	600	e820	1450	1780	1480	1140	228	59	41
8	103	284	540	572	e760	1250	1620	1390	938	204	57	38
9	98	275	475	e540	712	1300	1810	1270	804	198	55	36
10	96	237	484	e500	675	4540	4480	1190	731	172	53	34
11	94	227	433	441	2300	3300	4030	1050	607	130	51	32
12	90	213	407	402	e2000	2460	4110	1040	922	128	44	29
13	88	206	433	390	1740	2190	6060	2530	1290	121	38	27
14	92	202	541	364	e1300	2010	11000	5630	1010	112	37	27
15	112	201	1160	347	e1200	2040	9030	3860	1200	107	37	36
16	133	203	1110	341	1170	2200	6540	3080	1980	114	42	201
17	152	164	983	346	1050	2290	5040	2630	2010	104	52	226
18	167	185	936	338	e860	2080	4110	2450	1630	95	51	201
19	155	188	835	e370	e780	1840	3350	2350	1280	89	44	175
20	148	209	743	e400	777	1640	2810	2060	1060	88	45	156
21	149	219	675	542	1160	1480	2430	1810	847	86	41	143
22	197	214	540	e480	1700	e1200	2050	1580	756	80	41	158
23	206	208	513	e500	1530	e1150	1900	1390	851	79	44	517
24	195	169	e500	509	e1200	e1100	1790	1200	789	78	69	462
25	221	206	492	599	1210	1040	1750	1090	631	70	114	322
26	208	378	439	625	1140	e980	1870	960	538	72	82	236
27	222	392	418	581	1490	1440	1700	896	705	75	67	619
28	189	370	e430	558	1420	1500	1720	786	1220	71	59	1840
29	186	471	429	578	---	1470	2570	814	934	73	59	1060
30	176	992	449	738	---	2280	2270	849	800	69	65	780
31	136	---	437	921	---	3260	---	1120	---	66	59	---
TOTAL	4561	8567	22287	16041	34134	57420	102620	57125	33543	5524	1846	7689
MEAN	147	286	719	517	1219	1852	3421	1843	1118	178	59.5	256
MAX	222	992	1930	921	2300	4540	11000	5630	2010	703	114	1840
MIN	88	164	407	338	675	980	1620	786	538	66	37	27

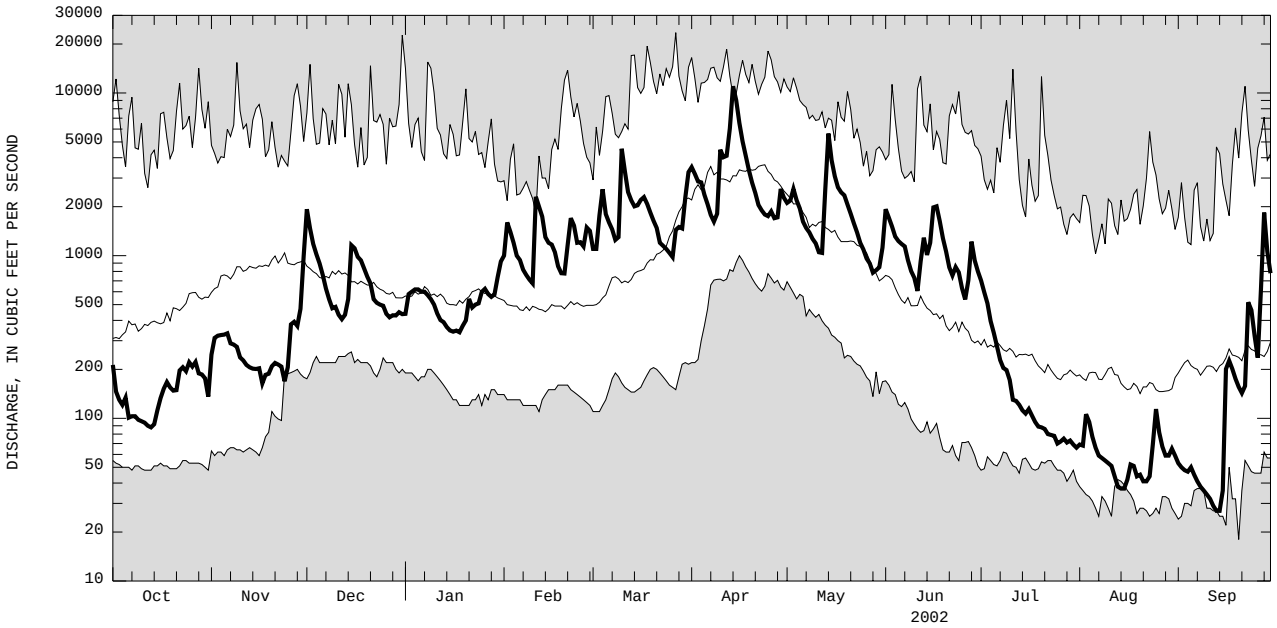
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2002, BY WATER YEAR (WY)

MEAN	713	1101	1033	870	721	1640	3591	1765	748	424	272	375
MAX	2677	2727	2988	2693	3197	5315	6143	4342	2752	2221	1225	1604
(WY)	1946	1960	1928	1998	1981	1936	1922	1972	1947	1935	1915	1987
MIN	53.4	205	235	188	172	207	1096	425	133	72.3	50.0	79.4
(WY)	1965	1965	1918	1931	1920	1940	1995	1941	1949	1949	1999	1939

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1911 - 2002	
ANNUAL TOTAL	328301		351357			
ANNUAL MEAN	899		963		1104	
HIGHEST ANNUAL MEAN					1706	1976
LOWEST ANNUAL MEAN					611	1965
HIGHEST DAILY MEAN	11600	Apr 24	11000	Apr 14	23500	Mar 27 1913
LOWEST DAILY MEAN	57	Sep 6	27	Sep 13	18	Sep 20 1913
ANNUAL SEVEN-DAY MINIMUM	65	Aug 31	32	Sep 9	26	Sep 10 1913
10 PERCENT EXCEEDS	2020		2190		2680	
50 PERCENT EXCEEDS	460		572		568	
90 PERCENT EXCEEDS	99		66		135	

e Estimated

01321000 SACANDAGA RIVER NEAR HOPE, NY--Continued



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.

01323500 GREAT SACANDAGA LAKE AT CONKLINGVILLE, NY

LOCATION.--Lat 43°18'57", long 73°55'39", Saratoga County, Hydrologic Unit 02020002, 800 ft upstream from right end of Conklingville Dam on Sacandaga River at Conklingville.
DRAINAGE AREA.--1,044 mi^2.
PERIOD OF RECORD.--January 1930 to current year. Prior to October 1969, published as "Sacandaga Reservoir at Conklingville."
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929, adjustment of 1912. Prior to Apr. 23, 1930, nonrecording gage at same datum in outlet channel 800 ft downstream.
REMARKS.--Reservoir is formed by earth and concrete dam; storage began in March 1930; dam completed in 1930. Usable capacity for stream regulation, 29.670 bil ft^3 between elevations 735.0 ft and 768.0 ft. Between elevations 768.0 ft and 771.0 ft (spillway crest) an additional 3.450 bil ft^3 is available exclusively for flood storage. Elevation of inverts of three Dow valves is 699.0 ft. Capacity of 4.600 bil ft^3 below elevation 735.0 ft is considered dead storage, except for extraordinary emergencies or for necessary inspection of structures. Purpose of reservoir is to provide flood control and low-water stream regulation for sanitary improvement, navigation, and power, as required by the public welfare, including public health and safety. Area of water surface of reservoir filled to capacity, elevation, 77l.0 ft, is 4l.7 mi^2. Discharge over spillway May 1-10, 1983, May 18-25, 1990, Apr. 25-28, 1993, May 13-18, 2000 (only spillage since dam completion in 1930). Satellite and telephone gage-height telemeter at station.
COOPERATION.--Supplemental records provided by Board of Hudson River-Black River Regulating District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 773.29 ft, May 4, 1983, contents, 40.418 bil ft^3; minimum since first filling, 729.55 ft, Mar. 30, 1940, contents, 2.100 bil ft^3.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 770.87 ft, May 15, contents, 37.567 bil ft^3; minimum, 746.47 ft, Mar. 3, contents, 12.866 bil ft^3.

Capacity table (including dead storage)
(elevation, in feet, and contents, in billions of cubic feet)

738	6.43	760	25.61
740	7.80	764	29.85
745	11.64	768	34.27
750	15.94	771	37.72
755	20.61	774	41.26

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	758.50	755.52	753.45	751.18	748.93	746.74	753.31	766.67	769.31	767.89	763.68	759.29
2	758.42	755.48	753.54	751.03	749.05	746.60	753.92	766.96	769.28	767.72	763.58	759.14
3	758.32	755.41	753.56	750.87	749.11	746.57	754.47	767.46	769.22	767.52	763.49	759.00
4	758.23	755.32	753.54	750.71	749.12	746.75	754.97	767.72	769.14	767.44	763.33	758.86
5	758.12	755.25	753.53	750.59	749.09	746.98	755.33	767.97	769.07	767.33	763.21	758.68
6	758.08	755.15	753.51	750.50	748.98	746.99	755.65	768.17	769.03	767.23	762.99	758.52
7	757.97	755.08	753.41	750.47	748.83	746.98	755.92	768.35	768.99	767.13	762.84	758.36
8	757.80	754.97	753.28	750.43	748.68	746.93	756.14	768.48	768.92	767.00	762.67	758.22
9	757.68	754.94	753.21	750.36	748.48	746.88	756.39	768.65	768.81	766.88	762.53	758.07
10	757.57	754.80	753.10	750.30	748.31	747.35	756.85	768.86	768.63	766.75	762.38	757.91
11	757.46	754.71	752.97	750.20	748.40	748.02	757.42	768.87	768.52	766.63	762.21	757.75
12	757.35	754.61	752.85	750.12	748.59	748.48	757.95	768.89	768.39	766.51	762.04	757.56
13	757.24	754.51	752.76	750.06	748.64	748.82	758.50	769.14	768.50	766.36	761.88	757.42
14	757.15	754.42	752.65	749.94	748.54	749.07	759.66	770.19	768.49	766.22	761.71	757.21
15	757.12	754.33	752.66	749.86	748.32	749.27	760.92	770.77	768.50	766.10	761.56	757.09
16	756.98	754.23	752.68	749.78	748.11	749.48	761.93	770.67	768.63	765.94	761.42	757.03
17	757.03	754.11	752.68	749.69	747.88	749.72	762.63	770.44	768.84	765.81	761.33	756.93
18	756.86	754.04	752.71	749.60	747.61	749.98	763.12	770.32	768.85	765.66	761.18	756.80
19	756.70	753.93	752.68	749.50	747.38	750.21	763.55	770.33	768.80	765.53	761.02	756.65
20	756.62	753.90	752.69	749.43	747.15	750.38	763.83	770.29	768.74	765.40	760.83	756.53
21	756.51	753.77	752.57	749.35	747.04	750.57	764.06	770.22	768.67	765.26	760.67	756.42
22	756.43	753.67	752.44	749.28	747.00	750.67	764.27	770.14	768.52	765.12	760.52	756.39
23	756.34	753.57	752.30	749.19	746.96	750.74	764.53	769.99	768.42	764.97	760.34	756.47
24	756.26	753.47	752.24	749.08	746.84	750.75	764.72	769.83	768.27	764.78	760.30	756.41
25	756.21	753.41	752.14	749.01	746.70	750.73	764.92	769.63	768.14	764.65	760.32	756.33
26	756.18	753.37	752.00	748.94	746.69	750.77	765.22	769.55	767.99	764.49	760.20	756.21
27	756.02	753.28	751.90	748.87	746.76	751.17	765.42	769.42	768.04	764.37	759.97	756.17
28	755.88	753.19	751.74	748.83	746.81	751.45	765.59	769.27	768.23	764.24	759.83	756.47
29	755.79	753.21	751.62	748.79	---	751.65	766.01	769.16	768.24	764.13	759.70	756.60
30	755.62	753.26	751.57	748.77	---	752.00	766.36	769.09	768.07	763.97	759.59	756.67
31	755.59	---	751.38	748.79	---	752.55	---	769.10	---	763.83	759.45	---
MEAN	757.03	754.30	752.69	749.79	748.00	749.20	760.45	769.18	768.64	765.90	761.51	757.37
MAX	758.50	755.52	753.56	751.18	749.12	752.55	766.36	770.77	769.31	767.89	763.68	759.29
MIN	755.59	753.19	751.38	748.77	746.69	746.57	753.31	766.67	767.99	763.83	759.45	756.17
‡	21.16	19.10	17.00	14.85	13.15	18.52	32.63	35.72	34.22	29.59	24.93	22.21
‡‡	-1,083	-795	-784	-803	-703	+2,005	+5,444	+1,154	-579	-1,729	-1,740	-1,049

CAL YR 2001 MEAN 757.14 MAX 768.24 MIN 741.66 ‡‡ -187
WTR YR 2002 MEAN 757.89 MAX 770.77 MIN 746.57 ‡‡ - 59

‡ Contents, in billions of cubic feet, at 2400 hours on last day of month.
‡‡ Change in contents, equivalent in cubic feet per second.

01325000 SACANDAGA RIVER AT STEWARTS BRIDGE, NEAR HADLEY, NY

LOCATION.--Lat 43°18'41", long 73°52'04", Saratoga County, Hydrologic Unit 02020002, on left bank 1.0 mi downstream from Stewarts Bridge, 1.1 mi west of Hadley, 1.4 mi upstream from mouth, and 1.5 mi downstream from Stewarts Bridge hydroelectric plant.
DRAINAGE AREA.--1,055 mi^2.
PERIOD OF RECORD.--September 1907 to current year. Published as "near Hadley" 1907-l910, "at Hadley" 1911-32 and "at Conklingville" 1932-52. Records published for both sites October 1951 to September 1952.
REVISED RECORDS.--WSP 1302: 1908. WSP 1432: 1910-12, 1916-21, WDR NY-83-1: 1968(M), 1971-72(M), 1976-77(M), 1979(M).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 582.00 ft above NGVD of 1929. Prior to Jan. 1, 1911, nonrecording gage at site about 1 mi upstream at different datum. Jan. 1, 1911 to Sept. 30, 1932, water-stage recorder at site 0.8 mi downstream at datum 8.82 ft lower than present datum. Oct. 1, 1932 to Sept. 30, 1952, water-stage recorder at site 3.6 mi upstream at datum 85.47 ft higher than present datum.
REMARKS.--No estimated daily discharges. Records good except those below about 50 ft^3/s, which are fair. Flow regulated by Great Sacandaga Lake since Mar. 27, 1930 (see station 01323500); discharge over spillway May 1-10, 1983, May 18-25, 1990, Apr. 25-28, 1993, May 13-18, 2000 (only spillage since completion of Conklingville Dam in 1930). Extensive diurnal fluctuation caused by release of water from Great Sacandaga Lake, through Elmer J. West hydroelectric station directed by Board of Hudson River-Black River Regulating District and through Stewarts Bridge hydroelectric station. Satellite and telephone gage-height telemeter at station.
COOPERATION.--From Oct. 1, 1932, to Dec. 4, 1979, discharge computed by Board of Hudson River-Black River Regulating District from rating developed by U.S. Geological Survey. Since Dec. 4, 1979, discharge computed by U.S. Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 35,500 ft^3/s, Mar. 28, 1913, gage height, 12.36 ft, site and datum then in use; minimum, 4.2 ft^3/s, May 4, 1985, Mar. 30, 31, Apr. 1-10, 11, 13, 14, 15, 1992. Maximum discharge since construction of Conklingville Dam in 1930, 13,300 ft^3/s, May 4, 1983, gage height, 9.68 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,130 ft^3/s, May 16, gage height, 7.54 ft; minimum, 8.3 ft^3/s, all or part of each day, Apr. 17-18, 20-28, gage height, 0.36 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1360	1340	1610	2010	1810	2570	50	29	2850	3830	2020	1880
2	1360	1230	1410	1980	2150	3380	48	32	2930	4170	2040	1850
3	1370	1350	1420	1990	2510	3490	210	30	3010	2140	1990	1930
4	1360	1350	1550	1640	2500	2090	43	29	3490	1510	1940	1910
5	1360	1350	1820	1700	2530	2620	43	29	3000	1490	2090	1890
6	1330	1360	1760	1180	2690	2690	42	29	3070	1710	2040	1900
7	1360	1360	1830	1190	2900	2680	41	137	3140	1840	1930	1860
8	1350	1340	1850	1190	2910	2640	41	44	3030	1890	1860	1860
9	1330	1350	1900	1210	2890	2530	42	486	3060	1810	1870	1820
10	1370	1250	1900	1500	2860	537	170	449	3080	1690	1880	1880
11	1340	1350	1860	1520	2810	44	43	1060	3060	1920	2080	1900
12	1350	1360	1850	1480	2830	43	42	1030	1750	1800	2070	1830
13	1370	1410	1860	1510	3560	385	43	1550	1850	1870	2020	1870
14	1360	1350	1860	1500	3550	998	43	54	1840	1890	2030	1850
15	1370	1410	1850	1510	4010	970	30	6120	2170	1920	1960	1880
16	1360	1400	1850	1550	4070	1170	9.9	8080	2500	1870	2010	1960
17	1350	1370	1890	1540	4060	988	65	7210	2980	1880	2070	1870
18	1350	1360	1830	1480	4020	1020	115	5290	2820	1830	1970	1920
19	1360	1360	1840	1330	3570	916	109	4130	2750	2010	2050	1730
20	1290	1360	2040	1330	3010	1390	8.6	4050	2450	2040	2100	1710
21	1370	1350	2020	1370	3460	1290	8.3	4060	2880	2040	2130	1810
22	1350	1350	2070	1350	3520	1350	99	3890	3010	1930	1790	1750
23	1350	1370	2010	1380	3540	1300	9.1	3920	3010	2140	1890	1730
24	1360	1360	2030	1890	3570	1350	8.7	3980	3050	1810	760	1670
25	1350	1360	2020	1540	2760	1360	142	3930	2790	2060	1720	1730
26	1360	1350	2010	1410	2290	1310	8.7	3070	2940	1930	1850	1640
27	1350	1360	2040	1390	2640	1290	270	2800	2030	1560	1860	1730
28	1350	1360	2070	1370	2670	1360	9.3	3240	2770	1850	1880	1720
29	1430	1370	2020	1350	---	1350	18	3020	3100	1970	1850	1040
30	1350	1360	2020	1710	---	1360	31	2990	4170	1810	1890	1150
31	1260	---	2020	1850	---	551	---	2320	---	1850	1830	---
TOTAL	41930	40600	58110	46950	85690	47022	1842.6	77088	84580	62060	59470	53270
MEAN	1353	1353	1875	1515	3060	1517	61.4	2487	2819	2002	1918	1776
MAX	1430	1410	2070	2010	4070	3490	270	8080	4170	4170	2130	1960
MIN	1260	1230	1410	1180	1810	43	8.3	29	1750	1490	760	1040

Adjusted for change in contents in Great Sacandaga Lake and Stewarts Bridge Pool

MEAN	274	550	1096	707	2362	3522	5507	3639	2237	275	180	727
CFSM	0.26	0.52	1.04	0.67	2.24	3.34	5.22	3.45	2.12	0.26	0.17	0.69
IN.	0.30	0.58	1.20	0.77	2.33	3.85	5.82	3.98	2.37	0.30	0.20	0.77

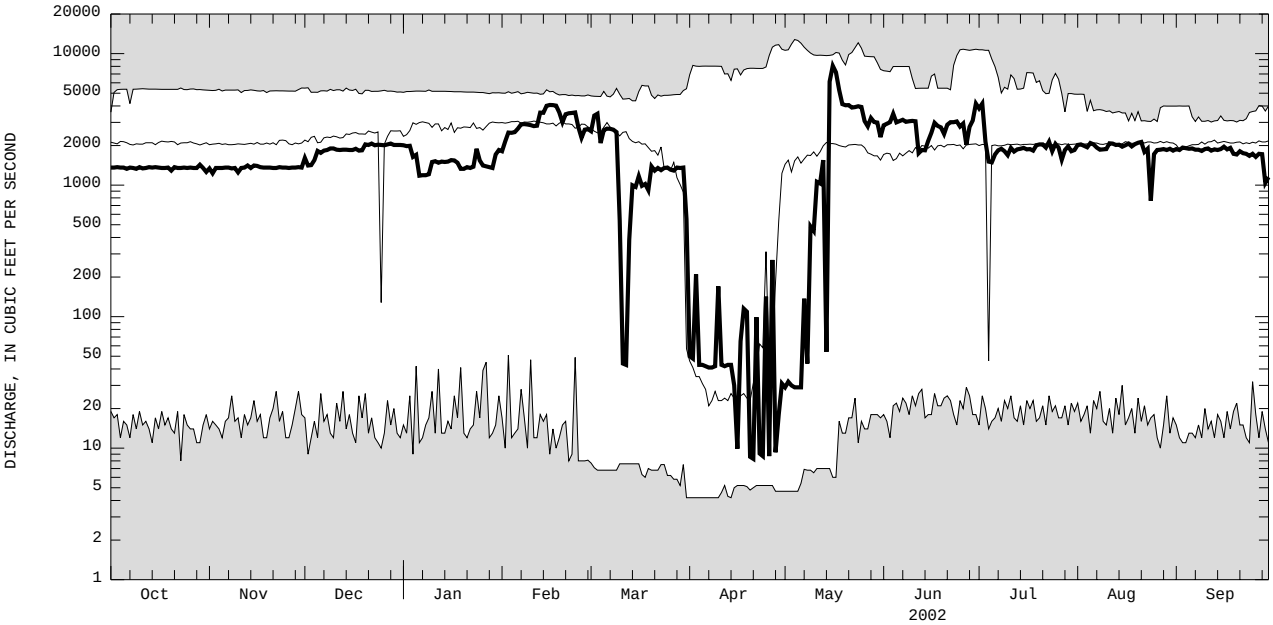
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2002, BY WATER YEAR (WY)

MEAN	1958	2200	2479	2736	2789	1996	1172	2413	2046	1927	1904	1838
MAX	5149	5177	4935	5026	4910	3921	5691	7035	5203	4589	3013	2846
(WY)	1946	1976	1960	1978	1973	1972	1979	1983	1947	1935	1935	1994
MIN	508	968	1117	1210	1144	89.0	5.85	40.5	712	927	872	963
(WY)	1996	1998	1965	1965	1931	1954	1985	1931	1987	1941	1995	1941

01325000 SACANDAGA RIVER AT STEWARTS BRIDGE, NEAR HADLEY, NY--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1931 - 2002	
ANNUAL TOTAL	682956.9		658612.6			
ANNUAL MEAN	1871		1804		2120	
ANNUAL MEAN (ADJUSTED)*	1684		1745		2147	
HIGHEST ANNUAL MEAN					3452	1976
LOWEST ANNUAL MEAN					1122	1965
HIGHEST DAILY MEAN	4290	Mar 16	8080	May 16	12800	May 4 1983
LOWEST DAILY MEAN	7.6	Apr 27	8.3	Apr 21	4.2	Mar 31 1992
ANNUAL SEVEN-DAY MINIMUM	8.6	Apr 23	25	Apr 28	4.2	Mar 31 1992
ANNUAL RUNOFF (CFSM, ADJUSTED)*	1.60		1.65		2.04	
ANNUAL RUNOFF (INCHES, ADJUSTED)*	21.67		22.46		27.64	
10 PERCENT EXCEEDS	3980		3050		4040	
50 PERCENT EXCEEDS	1530		1810		2070	
90 PERCENT EXCEEDS	960		128		33	

* Water years 1908 to current, adjusted for storage in Great Sacandaga Lake since 1930 and in Stewarts Bridge pool since 1953.



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.

01327750 HUDSON RIVER AT FORT EDWARD, NY

LOCATION.--Lat 43°16'10", long 73°35'47", Washington County, Hydrologic Unit 02020003, on left bank 40 ft upstream from Irving Paper Mill, 150 ft south of River Street in Fort Edward, and 0.4 mi upstream from bridge on State Highway 197.
DRAINAGE AREA.--2,810 mi^2.
PERIOD OF RECORD.--January 1899 to December 1908, December 1976 to current year.
GAGE.--Water-stage recorder. Datum of gage is 100.00 ft above NGVD of 1929. Prior to December 1976, nonrecording gage at different site and datum.
REMARKS.--No estimated daily discharges. Records fair. Flow regulated appreciably by Great Sacandaga Lake since March 1930 (see station 01323500) and Indian Lake since 1898 (see station 01314500). Diurnal fluctuation caused by powerplants upstream from station. Water is diverted into St. Lawrence River basin through Glens Falls feeder, Bond Creek, and Champlain (Barge) Canal, and occasionally may be received from that basin through summit level of Champlain (Barge) Canal at Dunham Basin. National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD (December 1976 to current year).--Maximum discharge, 35,200 ft^3/s, May 3, 1983, gage height, 28.34 ft; maximum gage height, 28.71 ft, Jan. 11, 1978 (ice jam); minimum discharge, 234 ft^3/s, July 25, 1983; minimum gage height, 19.33 ft, Sept. 4, 1978.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 89,100 ft^3/s, Mar. 28, 1913, at site about 14 mi upstream (drainage area, 2,779 mi^2).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,800 ft^3/s, Apr. 15, gage height, 25.69 ft; minimum, 367 ft^3/s, Oct. 18, gage height, 19.68 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

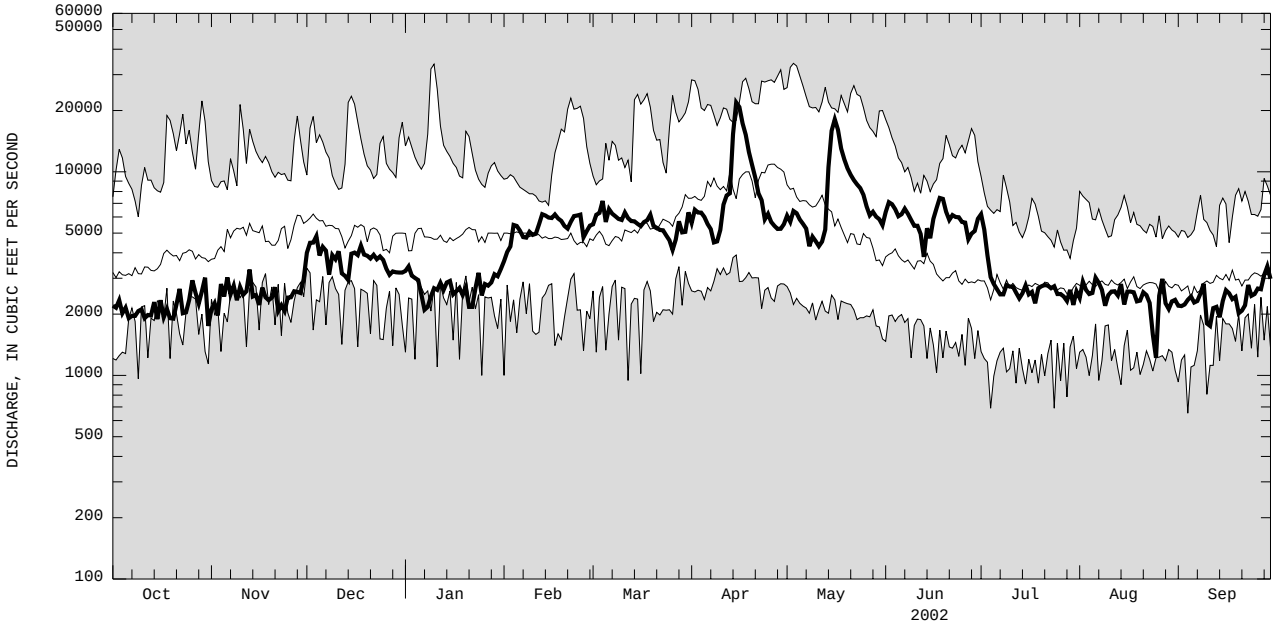
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2200	2110	4000	3260	3640	5520	5610	6090	6330	6190	2400	2200
2	2150	2260	4480	3430	4040	6150	6510	5680	7090	5200	2890	2190
3	2340	1970	4490	3090	4300	6280	6310	6420	6930	3890	2630	2230
4	2020	2810	4830	3010	5480	7190	6300	6260	6550	3040	2510	2350
5	2150	2440	3880	2940	5420	5670	6000	5830	6050	2810	2540	2440
6	1910	3030	4280	2500	5140	6560	5540	5550	6190	2650	3020	2280
7	1960	2500	4100	2100	4780	6230	5230	5260	6590	2500	2850	2320
8	1960	2760	3130	2170	4750	6050	4500	4310	6220	2500	2630	2530
9	2070	2340	3900	2440	5070	5870	4550	4800	5800	2780	2200	2820
10	2110	2720	3720	2680	4900	5800	5180	4560	5430	2730	2480	1800
11	1910	2490	4070	2630	4960	6310	6900	4310	5430	2730	2580	1750
12	1980	2590	3170	2850	5520	5920	7650	4540	4950	2550	2590	2140
13	1970	3310	3080	2630	6190	5730	7840	5200	3820	2390	2470	2170
14	2290	2440	2940	2860	6100	5710	15300	10500	5280	2530	2810	1930
15	1890	2480	3960	2910	5960	5550	21900	15900	4720	2770	2230	2320
16	2340	2220	4010	2500	5930	5410	20800	18100	5870	2500	2580	2620
17	1930	2700	3900	2590	6170	5660	17300	16100	6630	2570	2580	2530
18	2120	2420	4340	2690	5900	5780	15200	13000	7440	2260	2560	2370
19	1910	2340	3920	2480	5740	6160	12500	11500	7360	2680	2310	2430
20	1900	2410	3870	2710	5420	5420	10800	10400	6370	2740	2330	2020
21	2230	2710	3750	2170	5260	5310	9350	9660	5800	2780	2560	2080
22	2660	2070	3910	2170	5680	5180	7840	9100	6130	2760	2480	2210
23	2020	2210	3720	2670	6060	5160	7250	8670	6000	2680	2270	2780
24	2040	2070	3840	3190	6100	4870	5840	8320	5980	2740	1590	2460
25	2350	2410	3690	2470	6160	4610	6210	7710	5670	2510	1220	2510
26	2930	2420	3340	2810	4770	4130	5670	6760	5630	2510	2460	2670
27	2540	2590	3120	2760	5110	4650	5430	6110	4660	2440	2980	2650
28	2250	2570	3240	2860	5440	5710	5240	6360	4970	2320	2260	3110
29	2590	2540	3210	3140	---	5040	5250	6020	5120	2630	2120	3430
30	3020	2970	3200	3070	---	5070	5530	5850	5880	2220	2310	2980
31	1750	---	3200	3330	---	6320	---	5470	---	2590	2350	---
TOTAL	67490	74900	116290	85110	149990	175020	255530	244340	176890	88190	75790	72320
MEAN	2177	2497	3751	2745	5357	5646	8518	7882	5896	2845	2445	2411
MAX	3020	3310	4830	3430	6190	7190	21900	18100	7440	6190	3020	3430
MIN	1750	1970	2940	2100	3640	4130	4500	4310	3820	2220	1220	1750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2002, BY WATER YEAR (WY)

MEAN	4130	5330	5468	5292	5186	6054	10040	7515	4266	2910	2893	3067
MAX	9773	9326	10260	9907	8616	10950	16790	16670	7786	4246	5268	4478
(WY)	1978	1996	1997	1978	1984	1990	1993	1983	1998	2000	2000	1987
MIN	2177	2497	2957	2714	2697	3387	3177	2231	1922	1786	1924	2102
(WY)	2002	2002	1979	1989	1989	1989	1995	1995	1995	1995	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1977 - 2002	
ANNUAL TOTAL	1599600		1581860			
ANNUAL MEAN	4382		4334		5161	
HIGHEST ANNUAL MEAN					6768	1990
LOWEST ANNUAL MEAN					3569	1995
HIGHEST DAILY MEAN	27200	Apr 25	21900	Apr 15	34100	May 3 1983
LOWEST DAILY MEAN	1380	Aug 29	1220	Aug 25	652	Sep 4 1978
ANNUAL SEVEN-DAY MINIMUM	1810	Aug 24	1990	Oct 6	1270	Aug 23 1995
10 PERCENT EXCEEDS	7360		6460		9080	
50 PERCENT EXCEEDS	3480		3200		3950	
90 PERCENT EXCEEDS	1920		2170		2350	

01327750 HUDSON RIVER AT FORT EDWARD, NY--Continued



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.

01327755 HUDSON RIVER AT ROGERS ISLAND AT FORT EDWARD, NY

LOCATION.--Lat 43°15'52", long 73°35'28", Saratoga-Washington Counties, Hydrologic Unit 02020003, at bridges on State Highway 197 over Rogers Island in Fort Edward, 0.4 mi downstream from discharge station (01327750, Hudson River at Fort Edward), and 0.6 mi upstream from Champlain Canal.
DRAINAGE AREA.--2,817 mi^2, at gage.
PERIOD OF RECORD.--Water years 1975 to April 2002 (discontinued).
CHEMICAL DATA: 1975-76 (a), 1980 (b), 1981 (d), 1982-84 (e), 1985 (d), 1986-87 (e), 1988, 1996 (a).
MINOR ELEMENT DATA: 1975 (b), 1976-77 (a), 1978-79 (e), 1980 (d), 1986 (b), 1987 (e), 1988 (a).
PESTICIDE DATA: 1975, 1977 (a), 1978-79 (e), 1980, 1996 (a).
ORGANIC DATA: OC--1975 (a).
PCB--1975, 1977 (a), 1978-84 (e), 1985 (d), 1986 (e), 1987 (d), 1988-89 (e), 1991-92 (d), 1993-2001 (e), 2002 (b).
PCN--1977 (a), 1978-79 (e), 1980 (a).
NUTRIENT DATA: 1975-77 (a), 1978 (e).
SEDIMENT DATA: 1975 (b), 1980-84 (e), 1985 (d), 1986-89, 1991 (e), 1992 (d), 1993-2002 (e).
PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: March 1978 to September 1979.
REMARKS.--Water-discharge data are for Hudson River at Fort Edward (station 01327750). Samples for PCB analysis are collected from both the navigation canal (east channel) and river (west channel).

SUSPENDED-SEDIMENT DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)	Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT			MAR		
03...	1122	1	14...	0859	3
03...	1136	2	14...	0919	2
03...	1154	2	14...	0935	3
03...	1219	2	14...	1000	2
NOV			26...	0918	1
07...	1120	2	26...	0933	1
07...	1135	2	26...	0955	1
07...	1145	3	26...	1020	1
07...	1205	3	APR		
DEC			02...	1117	2
04...	1144	2	02...	1127	2
04...	1153	5	02...	1153	1
04...	1212	1	02...	1213	1
04...	1229	3			

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	AROCLOR 1016/1242 PCB WATER UNFLTRD (UG/L) (81648)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	AVERAGE SEDIMENT, SUSPENDED (MG/L) (80154)
OCT						
03...	1047	4060	E.014	E.004	E.008	2
NOV						
07...	1140	4760	<.005	<.005	<.005	2
DEC						
04...	1203	5230	<.005	<.005	<.005	2
MAR						
14...	0924	5300	<.005	<.005	<.005	2
26...	0948	3080	<.005	<.005	<.005	1

E Estimated

01329500 BATTEN KILL AT BATTENVILLE, NY

LOCATION.--Lat 43°06'05", long 73°25'55", Washington County, Hydrologic Unit 02020003, on left bank 1.0 mi southwest of Battenville, and 1.2 mi upstream from Trout Brook.
DRAINAGE AREA.--394 mi^2.
PERIOD OF RECORD.--September to December 1908 (gage heights only), October 1922 to September 1968, October 1986 to March 1998 (annual maximum only), April 1998 to current year.
GAGE.--Water-stage recorder. Datum of gage is 369.09 ft above NGVD of 1929. September 24 to December 8, 1908, staff and chain gages at site 1 mi upstream at different datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Regulation at low and medium flows prior to 1982. National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,300 ft^3/s, Nov. 4, 1927, gage height, 17.7 ft, from floodmarks; minimum discharge, 7.3 ft^3/s, Oct. 5, 1953 (result of regulation).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 11	1145	*3,460	*6.04				

Minimum discharge, 80 ft^3/s, Sept. 11, 14, 15, gage height, 2.48 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	160	526	e290	784	1010	2530	1110	977	632	176	167
2	136	228	464	e280	1400	894	2380	1200	827	558	181	143
3	125	202	347	e270	1080	1030	2050	1560	755	510	253	127
4	118	199	295	e260	887	1330	2380	1290	624	465	216	117
5	110	182	267	e250	717	1060	1850	1110	591	421	182	108
6	104	190	250	236	e640	915	1540	982	2430	396	166	101
7	115	189	233	e245	e610	859	1280	894	2600	375	155	96
8	118	184	219	e250	545	798	1130	845	1540	358	147	91
9	110	189	219	e265	495	781	1080	818	1110	339	141	88
10	106	203	212	e280	488	1670	1810	904	899	334	134	86
11	103	192	206	e300	2770	1840	1650	785	758	310	127	81
12	101	176	202	265	2340	1260	1320	734	918	299	121	87
13	98	163	206	255	1740	1040	1290	1220	1700	282	117	89
14	97	156	269	241	1180	961	1650	2600	1100	264	113	83
15	130	153	402	236	1040	931	2590	2600	934	250	112	108
16	205	156	431	234	956	922	2850	1950	1120	269	114	240
17	170	147	350	231	903	975	2150	1720	1520	259	120	264
18	151	140	410	228	787	853	1740	1960	1260	243	115	181
19	143	134	457	e225	695	792	1470	2010	944	244	107	144
20	132	141	409	e220	703	774	1280	1730	778	345	104	122
21	132	172	406	e220	1110	768	1130	1610	683	305	106	114
22	137	169	368	212	1640	724	1010	1420	651	251	100	172
23	141	148	e315	214	1410	658	1020	1230	661	259	103	344
24	143	141	384	238	1150	645	935	1070	648	461	125	228
25	150	142	463	502	1030	630	919	959	566	314	215	167
26	147	206	400	487	977	650	1100	864	510	255	177	146
27	141	271	e345	435	1300	2040	934	802	764	232	137	149
28	140	262	e330	420	1260	2240	894	736	1680	223	117	273
29	135	224	e315	460	---	2070	1060	699	1080	220	124	339
30	131	308	e305	612	---	2270	1140	667	766	203	255	236
31	129	---	e300	780	---	2560	---	685	---	189	236	---
TOTAL	4041	5527	10305	9641	30637	35950	46162	38764	31394	10065	4596	4691
MEAN	130	184	332	311	1094	1160	1539	1250	1046	325	148	156
MAX	205	308	526	780	2770	2560	2850	2600	2600	632	255	344
MIN	97	134	202	212	488	630	894	667	510	189	100	81
CFSM	0.33	0.47	0.84	0.79	2.78	2.94	3.91	3.17	2.66	0.82	0.38	0.40
IN.	0.38	0.52	0.97	0.91	2.89	3.39	4.36	3.66	2.96	0.95	0.43	0.44

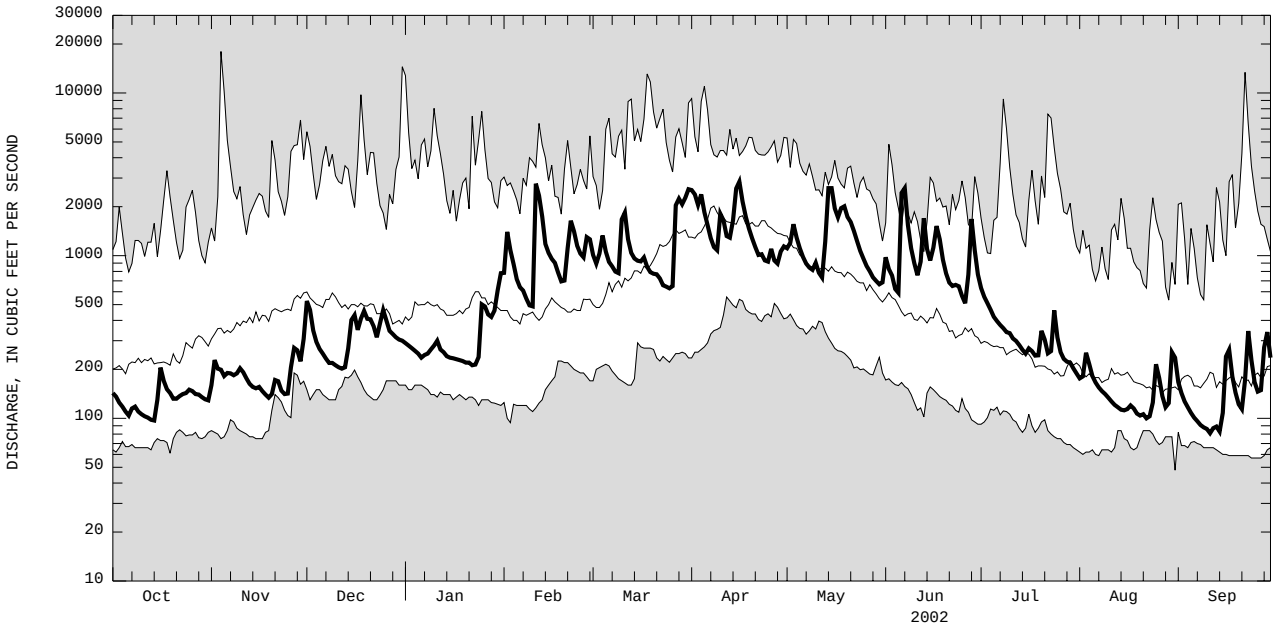
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2002, BY WATER YEAR (WY)

MEAN	324	603	673	718	678	1193	1755	998	537	354	238	269
MAX	847	2498	1675	2016	1402	3718	3535	2141	1167	1874	725	1550
(WY)	1956	1928	1928	1949	1925	1936	1960	1940	1954	1935	2000	1938
MIN	74.7	108	192	142	214	291	582	302	162	96.1	85.2	66.9
(WY)	1965	1965	1948	1948	1931	1965	1946	1941	1964	1965	1965	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1923 - 2002	
ANNUAL TOTAL	215395		231773			
ANNUAL MEAN	590		635		695	
HIGHEST ANNUAL MEAN					980	1928
LOWEST ANNUAL MEAN					335	1965
HIGHEST DAILY MEAN	4520	Apr 14	2850	Apr 16	18000	Nov 4 1927
LOWEST DAILY MEAN	84	Sep 20	81	Sep 11	48	Aug 31 1953
ANNUAL SEVEN-DAY MINIMUM	94	Sep 14	86	Sep 8	58	Sep 21 1964
ANNUAL RUNOFF (CFSM)	1.50		1.61		1.76	
ANNUAL RUNOFF (INCHES)	20.34		21.88		23.95	
10 PERCENT EXCEEDS	1230		1550		1580	
50 PERCENT EXCEEDS	372		344		420	
90 PERCENT EXCEEDS	126		121		140	

e Estimated

01329500 BATTEN KILL AT BATTENVILLE, NY--Continued



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.

01330000 GLOWEGEE CREEK AT WEST MILTON, NY

LOCATION.--Lat 43°01'50", long 73°55'40", Saratoga County, Hydrologic Unit 02020003, on left bank at upstream side of highway bridge, 0.5 mi south of West Milton, 1.5 mi upstream from mouth, and 4.0 mi northwest of Ballston Spa.
DRAINAGE AREA.--26.0 mi^2.
PERIOD OF RECORD.--April 1948 to June 1963, October 1990 to current year.
GAGE.--Water-stage recorder. Concrete control since June 20, 1952. Datum of gage is 407.22 ft above NGVD of 1929. Prior to Aug. 27, 1948, nonrecording gage at highway bridge at same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Since May 1955, ground-water pumpage by the Knolls Atomic Power Laboratory, West Milton site, enters Glowegee Creek upstream from station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,670 ft^3/s, Dec. 31, 1948, gage height, 7.04 ft (prior to concrete control); maximum gage height, 7.12 ft, Jan. 8, 1998; minimum discharge, 0.37 ft^3/s, Aug. 10, 11, 1949, gage height, 0.67 ft (prior to concrete control).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0330	*644	*5.78	June 6	0915	403	5.15
May 13	2115	538	5.52				

Minimum discharge, 0.81 ft^3/s, Sept. 15, gage height, 2.79 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	7.3	37	e5.8	34	37	128	56	68	30	4.1	4.1
2	5.5	8.7	23	e5.4	46	30	96	81	45	28	e4.1	3.8
3	5.4	8.5	16	e5.4	e27	62	76	82	31	20	e4.2	3.5
4	5.1	8.3	13	e5.6	e23	63	64	50	24	16	e4.2	3.4
5	3.8	7.4	12	5.7	e19	40	52	38	47	15	4.2	2.8
6	3.6	9.7	11	6.3	e17	30	46	32	311	11	4.2	2.5
7	3.8	9.4	10	7.0	e15	28	40	29	137	9.9	4.5	2.7
8	4.0	5.9	8.7	7.2	e15	29	36	30	66	10	4.1	2.0
9	3.9	4.9	9.2	8.1	15	39	29	30	46	12	3.1	2.2
10	4.5	5.3	9.4	9.4	15	71	55	45	36	17	3.2	1.5
11	5.2	5.1	9.3	13	103	47	46	31	28	11	3.9	1.3
12	4.6	5.2	9.2	14	61	33	35	38	31	9.3	2.6	1.2
13	4.2	5.8	11	13	50	29	46	269	37	6.9	3.1	2.2
14	4.9	5.1	19	11	34	29	111	370	29	7.1	2.4	1.9
15	8.8	5.3	44	11	27	28	164	155	43	6.7	2.3	3.3
16	8.6	5.9	27	11	25	29	97	88	159	5.8	3.1	20
17	11	5.4	19	9.8	29	26	60	70	130	4.9	7.4	10
18	10	4.8	35	9.3	27	25	45	113	65	6.3	4.3	7.2
19	6.7	5.0	39	7.9	23	26	37	99	39	6.5	3.5	4.2
20	5.7	7.7	28	e7.8	23	29	32	65	29	6.0	2.9	3.1
21	5.3	6.2	22	e8.0	68	36	29	51	25	4.0	2.9	3.0
22	5.3	5.4	e14	e8.2	85	33	30	44	22	4.9	2.2	23
23	6.2	5.1	e12	8.4	61	30	38	38	53	10	3.4	30
24	6.4	4.9	e11	11	44	26	34	34	38	10	7.8	13
25	6.5	5.9	e10	22	38	25	43	28	23	5.3	13	7.5
26	6.9	14	e9.0	19	43	87	70	25	18	6.0	7.7	5.5
27	5.8	11	e8.4	19	73	447	46	25	128	6.1	5.3	14
28	5.2	9.2	e8.0	19	53	229	59	22	190	4.8	3.9	45
29	5.0	31	e7.4	21	---	182	104	20	67	6.0	4.4	20
30	5.7	36	e6.8	36	---	207	68	25	35	5.9	7.5	12
31	5.6	---	e6.2	24	---	167	---	54	---	3.6	5.7	---
TOTAL	178.6	259.4	504.6	369.3	1093	2199	1816	2137	2000	306.0	139.2	255.9
MEAN	5.76	8.65	16.3	11.9	39.0	70.9	60.5	68.9	66.7	9.87	4.49	8.53
MAX	11	36	44	36	103	447	164	370	311	30	13	45
MIN	3.6	4.8	6.2	5.4	15	25	29	20	18	3.6	2.2	1.2
CFSM	0.22	0.33	0.63	0.46	1.50	2.73	2.33	2.65	2.56	0.38	0.17	0.33
IN.	0.26	0.37	0.72	0.53	1.56	3.15	2.60	3.06	2.86	0.44	0.20	0.37

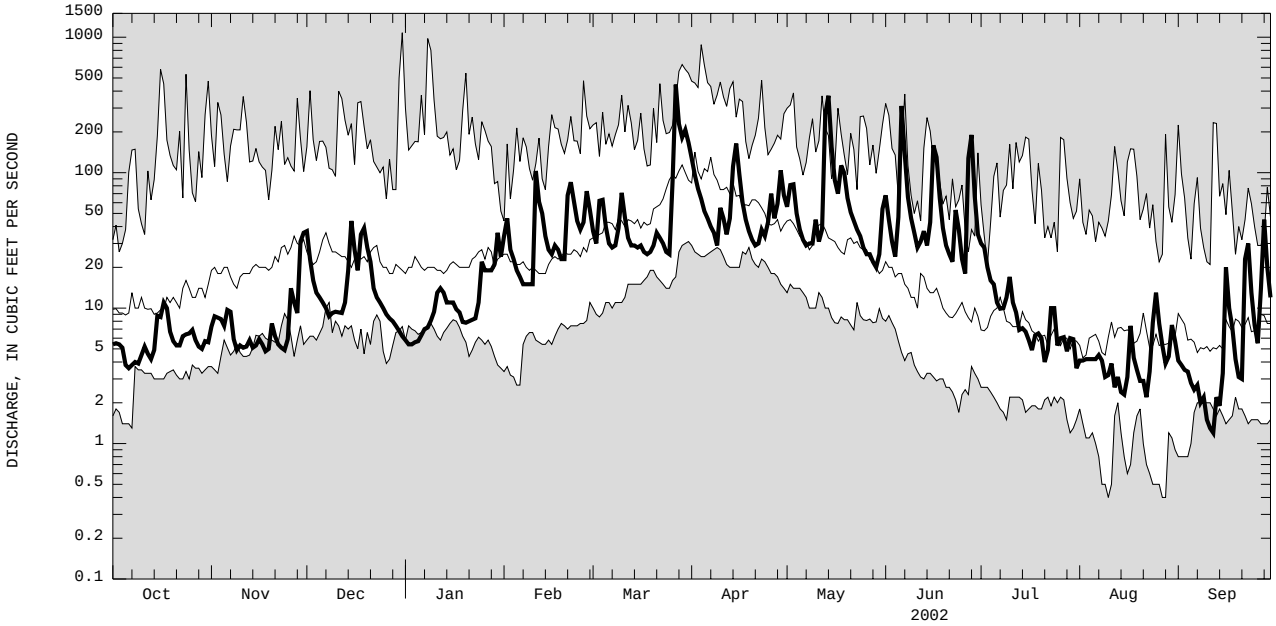
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2002, BY WATER YEAR (WY)

MEAN	19.9	33.0	37.1	36.8	35.8	75.7	97.9	45.0	24.0	13.1	10.9	11.4
MAX	108	73.0	100	114	77.2	133	204	97.4	66.7	42.3	34.6	30.4
(WY)	1956	1955	1997	1998	1954	1951	1993	1953	2002	1996	2000	1960
MIN	4.29	8.65	10.5	8.49	7.68	35.6	31.6	16.7	4.72	2.13	3.04	2.02
(WY)	1962	2002	1962	1961	1962	1960	1999	1999	1999	1959	1958	1948

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1948 - 2002	
ANNUAL TOTAL	10820.2		11258.0			
ANNUAL MEAN	29.6		30.8		36.9	
HIGHEST ANNUAL MEAN					53.4	1956
LOWEST ANNUAL MEAN					22.4	1999
HIGHEST DAILY MEAN	467	Apr 10	447	Mar 27	1080	Dec 31 1948
LOWEST DAILY MEAN	2.8	Sep 17	1.2	Sep 12	0.40	Aug 10 1949
ANNUAL SEVEN-DAY MINIMUM	3.2	Sep 13	1.8	Sep 8	0.51	Aug 22 1949
ANNUAL RUNOFF (CFSM)	1.14		1.19		1.42	
ANNUAL RUNOFF (INCHES)	15.48		16.11		19.30	
10 PERCENT EXCEEDS	64		67		86	
50 PERCENT EXCEEDS	16		14		19	
90 PERCENT EXCEEDS	4.4		4.0		4.4	

e Estimated

01330000 GLOWEGEE CREEK AT WEST MILTON, NY--Continued



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.

01331095 HUDSON RIVER AT STILLWATER, NY

LOCATION.--Lat 42°56'08", long 73°39'08", Rensselaer County, Hydrologic Unit 02020003, on left bank at dam, 0.15 mi downstream from bridge on State Highway 67 in Stillwater, and 0.75 mi upstream from Hoosic River. Water-quality sampling site at bridge on State Highway 67, 0.15 mi upstream from discharge station.
DRAINAGE AREA.--3,773 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--1932-33 and 1966-67 (discharge measurements only), March 1977 to current year. Daily discharge records prior to October 1981 are published with suspended-sediment data.
GAGE.--There is no gage, since September 1992. Discharge is estimated based on records for Hudson River at Fort Edward (01327750) and Batten Kill at Battenville (01329500). Prior to October 1992, water-stage recorder and crest-stage gage at datum of 78.99 ft above NGVD of 1929. Prior to January 1978, nonrecording gages in upper pool of Champlain (Barge) Canal lock 4, at Barge Canal datum.
REMARKS.--Records poor. Flow regulated appreciably by Great Sacandaga Lake (see station 01323500) and Indian Lake (see station 01314500). Diurnal fluctuation caused by powerplants upstream from station. Water is diverted into St. Lawrence River basin through Glens Falls feeder, Bond Creek, and Champlain (Barge) Canal, and occasionally may be received from that basin through summit level of Champlain (Barge) Canal at Dunham Basin.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 44,100 ft^3/s, May 4, 1983; minimum daily discharge, 900 ft^3/s, July 25, 1983; maximum and minimum instantaneous discharges not determined.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, about 25,000 ft^3/s, Apr. 15; minimum daily, about 1,600 ft^3/s, Aug. 25; maximum and miniumum instantaneous discharges not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2500	e2200	e4300	e3600	e4500	e7300	e8200	e8100	e8300	e7800	e2500	e2400
2	e2300	e2500	e4900	e3700	e5500	e7100	e9300	e7700	e8800	e6600	e3200	e2400
3	e2500	e2300	e4800	e3400	e5800	e7300	e8900	e8800	e8500	e5000	e2900	e2400
4	e2400	e3200	e5100	e3300	e7200	e8600	e9000	e8500	e7900	e4000	e2800	e2600
5	e2400	e2900	e4200	e3200	e6900	e7600	e8400	e7800	e7200	e3400	e2700	e2600
6	e2200	e3600	e4300	e2900	e6200	e7900	e7700	e7400	e7300	e3300	e3200	e2400
7	e2200	e3000	e4300	e2600	e5400	e7700	e7200	e7000	e7800	e2900	e3000	e2400
8	e2300	e3300	e3400	e2400	e5400	e7400	e6200	e5800	e8500	e2800	e2800	e2600
9	e2200	e2800	e4200	e2700	e5600	e6900	e6200	e6300	e7800	e3200	e2400	e3100
10	e2200	e3300	e4100	e2900	e5500	e7000	e7400	e6100	e7200	e3200	e2500	e2100
11	e2200	e3000	e4200	e3000	e7400	e8800	e9500	e5700	e7000	e3200	e2700	e1800
12	e2300	e3100	e3400	e3100	e8000	e8000	e10200	e6000	e6600	e3000	e2700	e2200
13	e2300	e3800	e3600	e2900	e8600	e7400	e10400	e7100	e5500	e2900	e2600	e2300
14	e2600	e2900	e3300	e3200	e8200	e7300	e16000	e14500	e7100	e3000	e3000	e2100
15	e2200	e2900	e4100	e3200	e7700	e7000	e25000	e21200	e6300	e3100	e2600	e2500
16	e2600	e2700	e4600	e2700	e7600	e6800	e24000	e23300	e7900	e2800	e2700	e3000
17	e2300	e3200	e4300	e2800	e7800	e6900	e22500	e20600	e9100	e2900	e2800	e2900
18	e2500	e2800	e4600	e3000	e7000	e7000	e19600	e17200	e9900	e2700	e2900	e2700
19	e2300	e2500	e4500	e2700	e6600	e7200	e16100	e15400	e9500	e2900	e2600	e2800
20	e2300	e2600	e4400	e2800	e6400	e6800	e13900	e13800	e8200	e3000	e2500	e2200
21	e2600	e2900	e4200	e2400	e6800	e6700	e12000	e12800	e7400	e3100	e2700	e2400
22	e3100	e2300	e4400	e2400	e7400	e6500	e10100	e12000	e7700	e3000	e2600	e2600
23	e2400	e2400	e4000	e2800	e8200	e6500	e9400	e11300	e7600	e3000	e2600	e3200
24	e2200	e2200	e4200	e3300	e8000	e5600	e7700	e10800	e7600	e2800	e1900	e3000
25	e2600	e2600	e4100	e3300	e8000	e5800	e8100	e9900	e7000	e2700	e1600	e3000
26	e3000	e2700	e3900	e3500	e6400	e5400	e7600	e8700	e6400	e2800	e2900	e3100
27	e2900	e2900	e3500	e3600	e6600	e6700	e7200	e7900	e6100	e2700	e3200	e3100
28	e2500	e3200	e3600	e3700	e7400	e8200	e6900	e8100	e7000	e2600	e2600	e3400
29	e2700	e3300	e3600	e3400	---	e7300	e7100	e7700	e6900	e2900	e2400	e3800
30	e3400	e3700	e3500	e3500	---	e7400	e7400	e7400	e7600	e2400	e2600	e3600
31	e1800	---	e3400	e4200	---	e9100	---	e7000	---	e2800	e2600	---
TOTAL	76000	86800	127000	96200	192100	223200	329200	321900	227700	102500	82800	80700
MEAN	2452	2893	4097	3103	6861	7200	10970	10380	7590	3306	2671	2690
MAX	3400	3800	5100	4200	8600	9100	25000	23300	9900	7800	3200	3800
MIN	1800	2200	3300	2400	4500	5400	6200	5700	5500	2400	1600	1800

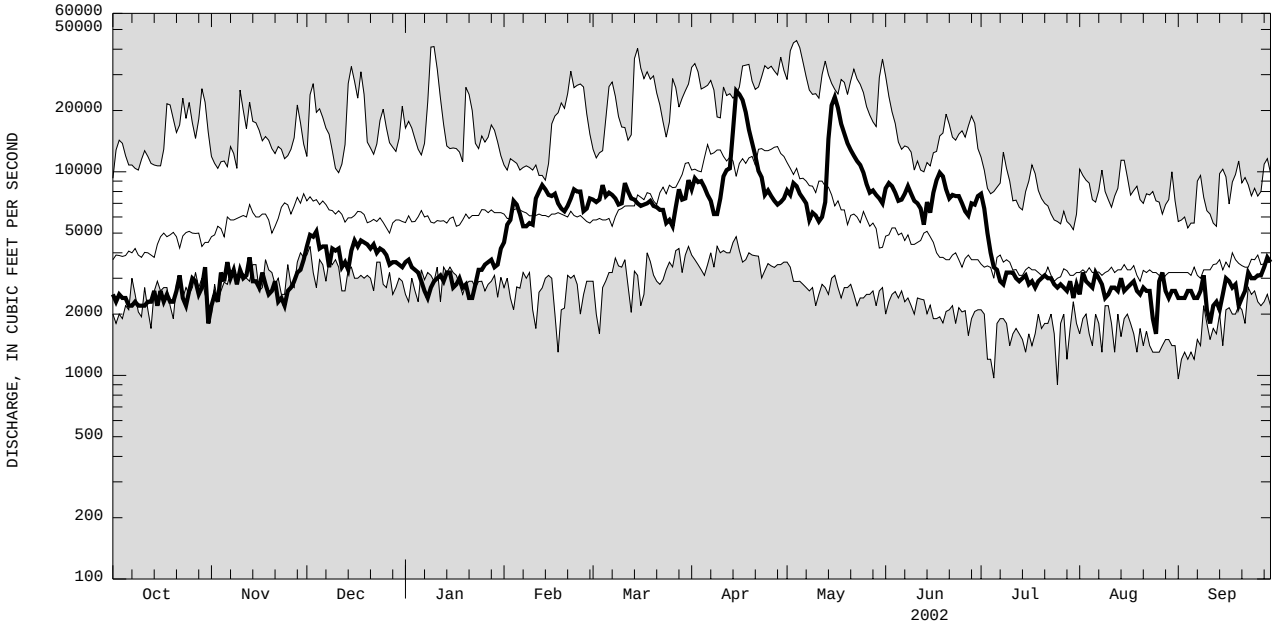
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2002, BY WATER YEAR (WY)

MEAN	5116	6662	6889	6690	6631	8426	12910	9387	5417	3613	3514	3706
MAX	12060	11880	13820	12540	11760	14610	21760	19960	9787	5716	6787	6311
(WY)	1978	1996	1997	1998	1981	1979	1993	1983	1998	1996	2000	1987
MIN	2452	2893	3558	3041	2751	4735	3987	2790	2380	2042	2206	2477
(WY)	2002	2002	1999	1981	1980	1989	1995	1995	1995	1995	1999	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1977 - 2002	
ANNUAL TOTAL	2055200		1946100			
ANNUAL MEAN	5631		5332		6543	
HIGHEST ANNUAL MEAN					8808	1996
LOWEST ANNUAL MEAN					4344	1995
HIGHEST DAILY MEAN	30000	Apr 25	25000	Apr 15	44100	May 4 1983
LOWEST DAILY MEAN	1700	Aug 29	1600	Aug 25	900	Jul 25 1983
ANNUAL SEVEN-DAY MINIMUM	2090	Aug 24	2230	Oct 6	1390	Aug 23 1995
10 PERCENT EXCEEDS	9880		8640		12000	
50 PERCENT EXCEEDS	4300		3600		5060	
90 PERCENT EXCEEDS	2300		2400		2760	

e Estimated

01331095 HUDSON RIVER AT STILLWATER, NY--Continued



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.

01331095 HUDSON RIVER AT STILLWATER, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1969 to 1975, 1977 to April 2002 (discontinued).
CHEMICAL DATA: 1969 (c), 1970-74 (d), 1975 (c), 1980 (b), 1981 (c), 1982-85 (e), 1986-88 (d), 1996 (a).
MINOR ELEMENTS DATA: 1972 (b), 1973-75 (a), 1977-79 (e), 1980 (c).
PESTICIDE DATA: 1977-79 (e), 1980, 1996 (a).
ORGANIC DATA: OC--1974 (a), 1975 (c).
PCB--1977-85 (e), 1986-88 (d), 1989 (e), 1991 (d), 1992-94 (e), 1995 (d), 1996-97 (e), 1998-99 (d), 2000-01 (e), 2002 (b).
PCN--1977-79 (e), 1980 (a).
NUTRIENT DATA: 1969 (c), 1970-74 (d), 1975 (c), 1977-78 (e).
SEDIMENT DATA: 1977 (d), 1978 (a), 1981-97 (e), 1998-99 (d), 2000-02 (e).
PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: March 1977 to March 2002 (discontinued).
REMARKS.--Sediment concentration reporting limit was lowered from <1 mg/L to <0.5 mg/L for water year 2002.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 450 mg/L, Dec. 17, 2000; minimum daily mean, <1 mg/L on many days during water years 1991-95, 1997-98; minimum daily mean since 2002 water year, <0.5 mg/L on several days during water year 2002.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 27,500 tons, Jan. 9, 1998; minimum daily, 3.3 tons, Jan. 4, 2002.
EXTREMES FOR CURRENT YEAR.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 38 mg/L, Feb. 11; minimum daily mean, <0.5 mg/L on several days.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 758 tons, Feb. 11; minimum daily, 3.3 tons, Jan. 4.

SUSPENDED-SEDIMENT DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)	Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)	Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT			NOV			JAN		
01...	1752	2	19...	1822	4	17...	1912	1
02...	1806	2	20...	1841	3	23...	1944	1
03...	1234	1	21...	1827	3	28...	1833	3
03...	1318	1	22...	1921	4	FEB		
03...	1811	1	23...	1833	4	01...	1822	1
04...	1743	5	24...	1802	5	02...	1737	1
05...	1804	1	28...	1752	4	03...	1721	1
06...	1816	2	30...	1913	3	04...	1850	1
07...	1750	2	DEC			05...	1929	1
08...	1803	5	01...	1724	2	06...	1913	1
09...	1821	2	02...	1817	4	07...	1909	1
10...	1724	2	03...	1834	3	08...	1936	1
11...	1816	5	04...	1846	3	09...	1940	1
12...	1747	4	05...	1814	2	14...	2011	1
13...	1742	5	06...	1408	2	17...	1744	5
14...	1639	2	07...	1816	4	18...	1814	1
15...	1733	1	08...	1840	4	19...	1130	4
16...	1748	2	09...	1819	2	24...	1206	7
17...	1810	5	10...	1837	5	25...	1821	5
18...	1751	2	11...	1853	6	26...	1818	4
19...	1803	2	12...	1913	22	27...	1747	12
20...	1752	2	13...	1741	2	MAR		
21...	1748	5	14...	1821	6	01...	1822	1
22...	1737	7	15...	1729	4	02...	1848	1
23...	1726	1	16...	1803	5	03...	1918	1
24...	1916	2	17...	1842	6	04...	1916	1
25...	1749	3	18...	1752	6	05...	1808	4
25...	1816	5	20...	1802	6	06...	1842	1
NOV			21...	1839	6	08...	1927	1
01...	1904	9	22...	1806	3	09...	2018	2
02...	1822	7	24...	1842	6	10...	1943	1
03...	1848	1	25...	1458	6	14...	1113	2
04...	1911	6	26...	1848	1	14...	1145	3
05...	1838	2	28...	1928	3	17...	1902	1
06...	1822	4	29...	1858	3	22...	1823	62
07...	1310	2	JAN			23...	1748	14
07...	1340	1	01...	1816	1	24...	1839	1
08...	1827	5	02...	1608	1	26...	1132	2
09...	1844	4	03...	1903	1	26...	1205	2
10...	1904	4	04...	1921	<0.5	27...	1932	1
11...	1818	3	05...	1916	1	29...	1854	14
12...	1838	4	06...	2014	1	30...	1917	<0.5
13...	1828	4	07...	2004	1	31...	1022	9
14...	1853	2	08...	1952	1	APR		
15...	1812	5	09...	1924	2	02...	1336	6
16...	1853	4	10...	1931	2	02...	1352	7
17...	1903	5	11...	2017	2			
18...	1911	5	12...	1134	2			

01331095 HUDSON RIVER AT STILLWATER, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	AROCLOR 1016/ 1242 PCB WATER UNFLTRD (UG/L) (81648)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	AVERAGE SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT						
03...	1246	E2500	E.065	E.034	E.010	1
NOV						
07...	1325	E3000	E.009	<.005	<.005	1
DEC						
04...	1344	E5100	E.012	<.005	<.005	--
MAR						
14...	1120	E7300	E.009	<.005	<.005	2
26...	1140	E5400	<.005	<.005	<.005	2

E Estimated

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2	e12	7	e43	2	e28	1	e13	<0.5	e9.4	2	e30
2	2	e12	7	e48	4	e46	<0.5	e8.1	<0.5	e12	<0.5	e12
3	1	e9.4	3	e17	4	e47	<0.5	e5.1	<0.5	e12	<0.5	e18
4	4	e24	4	e34	3	e46	<0.5	e3.3	1	e23	1	e26
5	2	e16	3	e24	2	e29	<0.5	e3.8	1	e21	3	e66
6	2	e12	3	e32	2	e22	<0.5	e6.0	1	e19	2	e36
7	2	e12	2	e17	3	e36	<0.5	e5.9	<0.5	e13	<0.5	e19
8	4	e27	4	e34	4	e35	1	e6.5	<0.5	e11	<0.5	e15
9	3	e18	4	e34	3	e31	1	e10	<0.5	e13	2	e32
10	2	e11	4	e35	4	e47	2	e12	e1	e15	2	e35
11	4	e25	4	e28	5	e61	2	e13	e38	e758	e8	e184
12	5	e29	4	e33	e4	e41	2	e15	e21	e459	e5	e114
13	5	e29	4	e40	3	e28	e2	e12	e11	e248	e2	e48
14	3	e18	2	e19	5	e41	e2	e13	4	e81	2	e44
15	1	e8.6	4	e29	5	e51	e1	e12	e1	e22	e2	e39
16	2	e11	4	e29	5	e58	e1	e7.8	e1	e29	e2	e36
17	4	e24	4	e38	6	e69	<0.5	e7.0	4	e82	2	e29
18	3	e20	5	e37	6	e72	e1	e7.9	2	e38	e2	e36
19	2	e14	4	e27	e6	e68	e1	e7.3	3	e60	e2	e41
20	2	e12	3	e24	6	e67	e1	e7.6	e3	e58	e3	e48
21	4	e28	3	e26	6	e62	e1	e6.5	e5	e94	e2	e36
22	6	e51	4	e24	4	e46	e1	e6.4	e8	e157	e1	e22
23	3	e19	4	e26	e4	e44	<0.5	e6.4	e9	e206	e1	e17
24	2	e13	5	e28	5	e61	1	e8.6	7	e148	<0.5	e11
25	3	e24	e4	e29	6	e66	1	e8.9	5	e107	e1	e16
26	e6	e44	e4	e29	3	e29	1	e11	4	e77	2	e25
27	e5	e39	e4	e31	e2	e19	2	e19	10	e169	2	e27
28	e4	e29	4	e34	3	e30	2	e25	e6	e114	e24	e541
29	e5	e37	e4	e35	3	e30	e2	e18	---	---	18	e357
30	e6	e57	3	e34	e2	e20	e1	e11	---	---	5	e100
31	e4	e20	---	---	e2	e18	e1	e11	---	---	7	e180
TOTAL	---	705.0	---	918	---	1348	---	308.1	---	3055.4	---	2240

e Estimated

01332500 HOOSIC RIVER NEAR WILLIAMSTOWN, MA

LOCATION.--Lat 42°42'01", long 73°09'34", Berkshire County, Hydrologic Unit 02020003, on left bank 0.3 mi downstream from Sherman Brook and 2.7 mi east of junction of U.S. Highway 7 and State Highway 2 in Williamstown.

DRAINAGE AREA.--126 mi^2.

PERIOD OF RECORD.--Discharge: July 1940 to current year.
Water-quality records: Water years 1953–54, 1957–58, 1967–69.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 616.11 ft above National Geodetic Vertical Datum of 1929, (U.S. Army Corps of Engineers benchmark). Prior to June 6, 1979, at site 1.2 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Prior to 1966, slight diurnal fluctuation at low flow caused by mills upstream. Some regulation by Cheshire Reservoir 16 mi upstream. Satellite gage-height telemeter at station. All data for this site are collected, stored, and reported in local standard time.

AVERAGE DISCHARGE.--62 years, 272 ft^3/s, 29.35 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft^3/s, Dec. 31, 1948, gage height, 14.85 ft, former site and datum, from rating curve extended above 4,300 ft^3/s on basis of contracted-opening measurement of peak flow; minimum, 5.8 ft^3/s, Aug. 30, 31, Oct. 26, 1940; minimum daily, 24 ft^3/s, Sept. 9, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,040 ft^3/s, June 6, gage height, 7.78 ft; minimum daily, 35 ft^3/s, Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	105	351	e84	395	e173	1010	450	789	191	67	61
2	74	97	226	e79	436	e158	658	469	463	163	110	57
3	71	95	178	e77	e257	397	631	463	356	145	136	56
4	68	89	156	e75	e208	423	599	362	294	127	79	56
5	65	91	146	e72	e169	e233	455	314	318	120	63	54
6	76	97	136	e72	e158	e219	388	282	1500	109	56	51
7	76	93	126	e80	e148	e204	337	253	955	100	52	50
8	68	92	119	e85	e139	e196	310	233	575	96	50	46
9	65	101	127	e84	e132	270	301	221	433	98	48	44
10	63	96	118	e82	e146	901	482	265	358	109	47	43
11	62	91	114	e80	479	444	365	214	303	90	46	40
12	62	85	112	e78	268	329	315	247	367	84	48	40
13	61	81	164	e75	220	286	315	846	377	80	47	39
14	58	e92	303	e73	e139	298	488	1200	301	76	47	35
15	114	e95	443	e90	e139	306	910	710	332	78	45	57
16	98	85	272	108	e138	364	560	486	404	79	87	313
17	92	81	246	106	e133	331	404	465	449	73	68	100
18	89	79	448	104	e122	286	340	749	352	73	51	66
19	79	78	338	99	e132	263	300	651	270	76	47	56
20	76	93	275	100	e137	243	280	506	227	83	45	51
21	73	92	253	97	318	253	251	433	197	70	44	49
22	72	82	210	100	355	e213	234	384	277	65	45	133
23	68	78	183	101	262	e190	247	340	312	93	60	90
24	82	78	261	169	222	e178	236	308	246	129	57	63
25	81	95	236	344	212	e176	251	289	196	83	63	55
26	75	199	e177	219	229	213	299	256	172	75	51	54
27	71	142	e133	184	326	691	267	237	316	75	45	98
28	68	121	e114	175	e220	449	336	582	673	78	41	456
29	66	150	e104	187	---	443	527	607	329	135	106	165
30	66	206	e94	422	---	772	456	440	232	83	122	108
31	64	---	e88	366	---	768	---	636	---	72	70	---
TOTAL	2280	3059	6251	4067	6239	10670	12552	13898	12373	3008	1943	2586
MEAN	73.5	102	202	131	223	344	418	448	412	97.0	62.7	86.2
MAX	114	206	448	422	479	901	1010	1200	1500	191	136	456
MIN	58	78	88	72	122	158	234	214	172	65	41	35
CFSM	0.58	0.81	1.60	1.04	1.77	2.73	3.32	3.56	3.27	0.77	0.50	0.68
IN.	0.67	0.90	1.85	1.20	1.84	3.15	3.71	4.10	3.65	0.89	0.57	0.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	172	255	271	246	242	444	671	371	225	134	117	122
MAX	618	544	714	591	765	1038	1178	872	636	393	436	454
(WY)	1978	1956	1974	1949	1981	1979	1969	1943	1972	1945	2000	1960
MIN	41.0	46.5	118	60.8	75.3	139	253	144	81.0	60.4	48.2	34.5
(WY)	1965	1965	1962	1981	1980	1965	1995	1987	1965	1962	1980	1980

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1940 - 2002	
ANNUAL TOTAL	88004		78926			
ANNUAL MEAN	241		216		272	
HIGHEST ANNUAL MEAN					368	1975
LOWEST ANNUAL MEAN					135	1965
HIGHEST DAILY MEAN	2250	Apr 14	1500	Jun 6	10400	Dec 31 1948
LOWEST DAILY MEAN	51	Aug 30	35	Sep 14	24	Sep 9 1980
ANNUAL SEVEN-DAY MINIMUM	52	Aug 25	41	Sep 8	25	Sep 9 1980
MAXIMUM PEAK FLOW			2040	Jun 6	13000	Dec 31 1948
MAXIMUM PEAK STAGE			7.78	Jun 6	14.85	Dec 31 1948
INSTANTANEOUS LOW FLOW			33	Sep 14	5.8	Aug 30 1940
ANNUAL RUNOFF (CFSM)	1.91		1.72		2.16	
ANNUAL RUNOFF (INCHES)	25.98		23.30		29.35	
10 PERCENT EXCEEDS	435		452		580	
50 PERCENT EXCEEDS	134		137		166	
90 PERCENT EXCEEDS	67		57		66	

e Estimated

01333000 GREEN RIVER AT WILLIAMSTOWN, MA

LOCATION.--Lat 42°42'32", long 73°11'50", Berkshire County, Hydrologic Unit 02020003, on left bank 0.1 mi upstream from bridge on State Highway 2 at Williamstown and 0.8 mi upstream from mouth.

DRAINAGE AREA.--42.6 mi^2.

PERIOD OF RECORD.--Discharge: September 1949 to current year.
Water-quality records: Water years 1967–69.

REVISED RECORDS.--WDR MA-RI-84-1: 1977–78(P), 1979, 1980–83(P).

GAGE.--Water-stage recorder. Elevation of gage is 615 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Slight diurnal fluctuation at times caused by mill upstream. All data for this site are collected, stored, and reported in local standard time.

AVERAGE DISCHARGE.--53 years, 82.5 ft^3/s, 26.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,060 ft^3/s, Dec. 21, 1973, gage height, 5.68 ft in gage well, from rating curve extended above 750 ft^3/s on basis of slope-area measurment at gage height 4.94 ft; maximum gage height, 6.35 ft, Mar. 13, 1977, from floodmarks, gage height in well unknown; minimum discharge, 3.1 ft^3/s, Sept. 20, 22, 24, 25, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 31, 1948, reached a stage of about 7.5 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 550 ft^3/s (estimated), June 6, gage height, unknown; minimum; 5.1 ft^3/s, Sept. 14, 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	22	56	e35	173	63	310	136	e207	e47	12	10
2	15	17	44	e32	170	59	252	153	e133	e42	16	9.3
3	e15	17	38	e30	e76	147	243	159	e97	e37	15	8.7
4	e14	16	36	e29	e62	130	228	135	e84	e34	12	8.2
5	e14	17	35	e28	e50	92	178	120	e101	e33	11	7.3
6	e18	20	33	e27	e46	86	152	102	e383	e31	11	6.6
7	e18	17	32	e31	e43	81	130	e92	e323	e29	9.8	6.3
8	e15	16	31	e34	e42	74	119	e78	e202	e29	9.1	6.0
9	e15	17	32	e37	e39	75	108	e64	e143	e29	8.6	5.8
10	e14	16	31	33	e45	151	125	e69	e113	e32	8.3	5.7
11	e14	16	31	35	199	102	98	e62	e96	e26	7.9	5.6
12	e13	16	30	33	97	89	87	e82	e107	e24	7.4	5.5
13	e13	15	44	32	e53	83	88	e255	e108	e22	7.1	5.3
14	e13	15	57	29	e42	82	150	e381	e92	e21	6.7	5.2
15	e28	15	88	29	e43	76	252	e246	e102	e20	6.5	9.9
16	e27	15	63	28	e42	92	202	e164	e121	e18	9.3	70
17	e23	14	68	e25	e42	82	164	e157	e124	e18	12	16
18	e22	14	137	e24	e38	80	144	e233	e98	e18	8.0	11
19	e19	14	101	e23	50	77	130	e219	e75	e18	6.9	9.6
20	e17	21	89	e23	53	78	118	e173	e63	e23	6.5	8.5
21	e16	17	81	e23	107	78	98	e145	e55	e19	6.3	8.0
22	14	16	68	e23	104	70	88	e126	e75	e19	6.4	41
23	14	15	63	e25	82	62	87	e109	e87	e18	11	19
24	16	15	95	e39	71	60	74	e97	e72	21	9.5	14
25	15	19	75	75	67	59	76	e88	e55	16	11	12
26	15	39	65	51	68	67	97	e77	e47	15	8.1	11
27	14	30	e54	50	92	277	75	e79	e72	15	7.1	20
28	13	28	e50	52	74	173	87	e166	e125	15	6.4	90
29	13	32	e46	63	---	169	138	e178	e75	19	24	27
30	13	37	e43	135	---	266	141	e135	e53	14	20	21
31	13	---	e38	127	---	271	---	e176	---	13	12	---
TOTAL	498	578	1754	1260	2070	3351	4239	4456	3488	735	312.9	483.5
MEAN	16.1	19.3	56.6	40.6	73.9	108	141	144	116	23.7	10.1	16.1
MAX	28	39	137	135	199	277	310	381	383	47	24	90
MIN	13	14	30	23	38	59	74	62	47	13	6.3	5.2
CFSM	0.38	0.45	1.33	0.95	1.74	2.54	3.32	3.37	2.73	0.56	0.24	0.38
IN.	0.43	0.50	1.53	1.10	1.81	2.93	3.70	3.89	3.05	0.64	0.27	0.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2002, BY WATER YEAR (WY)

MEAN	45.8	75.9	91.8	80.5	82.7	143	204	111	66.2	32.5	28.3	28.8
MAX	222	171	259	219	239	376	390	251	256	124	174	158
(WY)	1978	1956	1974	1979	1984	1979	1969	1984	1972	1996	2000	1960
MIN	5.33	6.71	24.8	11.0	14.6	33.6	70.5	32.4	18.2	8.30	5.61	4.09
(WY)	1965	1965	1965	1981	1980	1965	1995	1987	1965	1993	1964	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1949 - 2002	
ANNUAL TOTAL	26338.6		23225.4			
ANNUAL MEAN	72.2		63.6		82.5	
HIGHEST ANNUAL MEAN					126	1975
LOWEST ANNUAL MEAN					31.7	1965
HIGHEST DAILY MEAN	834	Apr 10	e383	Jun 6	2200	Dec 21 1973
LOWEST DAILY MEAN	8.8	Aug 30	5.2	Sep 14	3.2	Sep 20 1964
ANNUAL SEVEN-DAY MINIMUM	9.6	Aug 25	5.6	Sep 8	3.4	Sep 19 1964
MAXIMUM PEAK FLOW			e550	Jun 6	4060	Dec 21 1973
MAXIMUM PEAK STAGE					6.35	Mar 13 1977
INSTANTANEOUS LOW FLOW			5.1	Sep 14	3.1	Sep 20 1964
ANNUAL RUNOFF (CFSM)	1.69		1.49		1.94	
ANNUAL RUNOFF (INCHES)	23.00		20.28		26.30	
10 PERCENT EXCEEDS	135		148		185	
50 PERCENT EXCEEDS	40		39		49	
90 PERCENT EXCEEDS	14		10		11	

e Estimated

01334000 WALLOOMSAC RIVER NEAR NORTH BENNINGTON, VT

LOCATION.--Lat 42°54′47", long 73°15′25", Bennington County, Hydrologic Unit 02020003, on left bank, 500 ft downstream of River Road Covered bridge, 700 ft downstream of Old Mill Dam, 0.6 mi downstream from Paran Creek, 1.4 mi south of State Highway 67 and 67A intersection in North Bennington, and 3.9 mi northwest of Town Hall in Bennington.
DRAINAGE AREA.--111 mi^2.
PERIOD OF RECORD.--Discharge records: June 1931 to current year.
REVISED RECORDS.--WSP 781: 1933(M).
GAGE.--Water-stage recorder. Elevation of gage is 525 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional diurnal fluctuation at low flow caused by mills upstream; diurnal fluctuation greater prior to 1960. All data for this site are collected, stored, and reported in local standard time.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun. 06	0215	* 2,650	* 6.40	Jun. 28	0030	2,380	6.07

Minimum discharge, 35 ft^3/s, September 14, 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	77	248	e71	314	196	605	336	524	222	55	62
2	43	70	165	e62	354	178	473	372	366	192	98	54
3	43	68	124	e68	e240	321	567	369	283	176	141	51
4	41	66	107	e65	209	375	599	294	230	155	85	47
5	40	63	101	69	166	239	413	257	322	137	67	44
6	43	70	95	73	e150	214	344	234	1990	130	58	42
7	49	64	87	e79	146	196	297	218	865	124	54	41
8	46	69	81	e75	141	189	279	204	516	116	52	40
9	44	80	87	76	127	250	329	201	409	121	47	39
10	44	79	80	78	127	823	718	242	339	135	47	37
11	43	69	77	83	619	438	516	201	285	108	45	39
12	42	61	76	83	317	308	438	204	433	97	42	43
13	43	56	109	79	229	266	455	448	477	88	41	39
14	43	64	181	73	e170	267	580	660	324	80	41	37
15	72	62	245	73	177	286	954	492	310	77	40	96
16	70	59	168	76	168	350	584	360	339	80	52	375
17	61	55	141	72	167	331	408	382	370	74	64	149
18	65	53	228	70	148	271	336	530	299	72	48	88
19	57	53	188	66	135	245	293	476	240	76	43	66
20	51	68	157	69	142	231	264	393	206	115	42	55
21	49	69	147	66	261	226	238	343	181	80	41	52
22	47	60	119	68	341	200	224	313	185	69	40	256
23	47	58	105	66	239	187	234	273	229	103	57	183
24	49	56	158	120	198	180	226	250	226	132	71	104
25	51	64	151	e280	186	174	247	242	172	87	106	81
26	48	149	118	182	199	187	269	223	146	74	61	68
27	48	106	e96	144	323	732	230	209	433	69	51	86
28	47	90	e93	131	244	422	254	225	1120	68	47	319
29	46	112	93	135	---	353	342	236	440	78	78	168
30	45	160	82	360	---	486	337	236	284	69	142	111
31	45	---	74	301	---	503	---	392	---	60	81	---
TOTAL	1508	2230	3981	3313	6237	9624	12053	9815	12543	3264	1937	2872
MEAN	48.6	74.3	128	107	223	310	402	317	418	105	62.5	95.7
MAX	72	160	248	360	619	823	954	660	1990	222	142	375
MIN	40	53	74	62	127	174	224	201	146	60	40	37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2002, BY WATER YEAR (WY)

MEAN	149	208	212	195	182	320	534	322	183	123	104	116
MAX	418	412	471	425	575	958	1008	742	436	311	481	585
(WY)	1976	1960	1974	1937	1981	1936	1969	1943	1998	1935	1976	1938
MIN	30.9	39.6	94.6	61.6	54.2	68.0	215	116	53.1	39.8	41.2	25.6
(WY)	1965	1965	1948	1965	1980	1965	1946	1987	1964	1964	1964	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1931 - 2002	
ANNUAL TOTAL	63282		69377			
ANNUAL MEAN	173		190		221	
HIGHEST ANNUAL MEAN					362	1976
LOWEST ANNUAL MEAN					98.9	1965
HIGHEST DAILY MEAN	1840	Apr 24	1990	Jun 6	6350	Dec 31 1948
LOWEST DAILY MEAN	a 33	Aug 26	b 37	Sep 10	c 21	Sep 22 1964
ANNUAL SEVEN-DAY MINIMUM	33	Aug 25	39	Sep 8	22	Sep 20 1964
MAXIMUM PEAK FLOW			2650	Jun 6	d 8450	Sep 21 1938
MAXIMUM PEAK STAGE			6.40	Jun 6	12.04	Sep 21 1938
INSTANTANEOUS LOW FLOW			f 35	Sep 14	4.0	Sep 27 1932
10 PERCENT EXCEEDS	319		392		456	
50 PERCENT EXCEEDS	104		132		143	
90 PERCENT EXCEEDS	43		47		56	

a Also occurred on August 27, 30, and 31, 2001.
b Also occurred on September 14, 2002.
c Also occurred on September 23, 1964, and July 12, 1965.
d From rating curve extended above 2,800 ft^3/s on basis of contracted-opening measurements at gage heights 10.13 ft, 10.49 ft, 11.50 ft, and 12.04 ft, and slope-area measurement and computation of flow over dam at gage height 12.04 ft.
e Estimated.
f Also occurred on September 15, 2002.

01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY

LOCATION.--Lat 42°56'19", long 73°22'39", Rensselaer County, Hydrologic Unit 02020003, on right bank 0.5 mi upstream from Case Brook, 1.2 mi downstream from Walloomsac River, and 1.2 mi southeast of Eagle Bridge.
DRAINAGE AREA.--510 mi^2.
PERIOD OF RECORD.--August 1910 to March 1922, July 1923 to current year.
REVISED RECORDS.--WSP 741: Drainage area. WSP 756: 1913(m). WSP 1302: 1922(M). WSP 1432: 1913 (minimum gage height). WSP 1502: 1911-12, 1914, 1920-21, 1928(M), l936(M).
GAGE.--Water-stage recorder. Datum of gage is 355.41 ft above NGVD of 1929. Prior to March 1922, nonrecording gage and July 24, 1923 to July 18, 1936, water-stage recorder, at site 0.2 mi upstream at different datums.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Diurnal fluctuation at medium and low flow caused by powerplants upstream from station. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft^3/s, Dec. 31, 1948, gage height, 21.15 ft, from floodmark in gage house, from rating curve extended above 30,000 ft^3/s on basis of peak flow over downstream dams and contracted-opening measurements at gage heights 17.8 ft and 21.15 ft; minimum discharge, 24 ft^3/s, Sept. 14, 1913.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 6	0715	*8,490	*9.95	No other peak greater than base discharge.			

Minimum discharge, 61 ft^3/s, Oct. 12, gage height, 1.80 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	193	742	e380	1410	933	2920	1500	2480	926	223	219
2	178	251	621	e340	e1800	851	2430	1530	1650	807	233	192
3	168	224	474	e360	e1200	1230	2260	1620	1340	727	472	184
4	159	223	410	e350	e1000	1610	2620	1340	1120	643	294	169
5	153	211	378	330	e850	1080	1920	1180	1280	585	241	160
6	151	234	354	325	e800	997	1650	1070	7180	536	216	146
7	179	229	329	e300	e740	932	1430	981	4280	496	203	136
8	164	224	308	e310	706	885	1320	914	2770	466	180	129
9	151	229	317	e320	654	932	1280	864	2140	450	178	128
10	144	248	309	349	601	2420	1940	963	1760	524	162	125
11	147	227	293	371	2820	1720	1580	835	1470	428	152	122
12	127	215	289	357	e1400	1280	1360	786	1590	383	149	124
13	138	199	313	340	e1000	1130	1320	1750	1780	354	145	119
14	138	196	607	313	885	1080	1720	3410	1360	329	145	113
15	183	211	969	308	903	1110	2860	2450	1320	295	141	157
16	261	205	759	312	856	1160	2210	1850	1420	325	e140	1020
17	215	197	615	304	841	1210	1670	1760	1660	297	e140	526
18	210	189	1030	294	748	1050	1430	2530	1400	e280	e140	301
19	204	186	982	273	657	983	1260	2570	1120	e320	e130	232
20	181	206	796	e280	710	959	1170	2070	960	e380	e130	203
21	173	243	e750	e290	1100	958	1050	1800	850	e340	e130	182
22	168	215	e640	e280	1490	e900	976	1620	831	e300	e130	472
23	162	200	e520	273	1150	e800	1010	1440	1150	e360	e140	557
24	168	194	e680	368	964	e780	944	1290	949	e500	e180	309
25	188	200	e750	1080	917	e760	936	1210	784	e350	e240	247
26	178	387	e580	790	921	813	1150	1080	689	e280	e200	216
27	168	384	e500	669	1340	3570	999	1010	958	252	e160	237
28	162	325	e430	654	1160	2250	1010	1180	3220	252	e150	1020
29	156	326	e420	689	---	1940	1460	1630	1610	375	176	653
30	153	447	e400	1360	---	2390	1540	1280	1130	301	495	412
31	152	---	e390	1460	---	2620	---	1550	---	250	277	---
TOTAL	5265	7218	16955	14429	29623	41333	47425	47063	52251	13111	6092	8810
MEAN	170	241	547	465	1058	1333	1581	1518	1742	423	197	294
MAX	261	447	1030	1460	2820	3570	2920	3410	7180	926	495	1020
MIN	127	186	289	273	601	760	936	786	689	250	130	113
CFSM	0.33	0.47	1.07	0.91	2.07	2.61	3.10	2.98	3.42	0.83	0.39	0.58
IN.	0.38	0.53	1.24	1.05	2.16	3.01	3.46	3.43	3.81	0.96	0.44	0.64

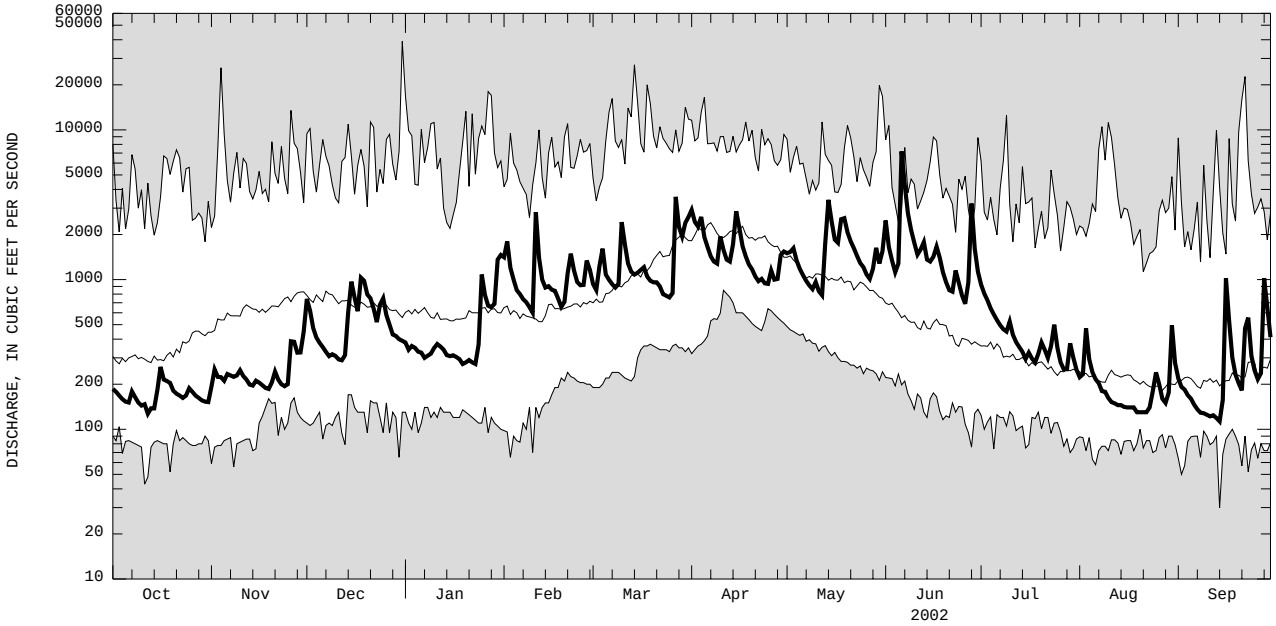
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2002, BY WATER YEAR (WY)

MEAN	526	880	978	951	932	1679	2318	1286	716	438	351	389
MAX	2238	3394	2449	3002	2546	4595	4247	3094	2362	1349	1893	2668
(WY)	1978	1928	1974	1979	1984	1936	1993	1984	1972	1915	1976	1938
MIN	83.7	111	149	135	233	406	875	358	195	142	113	95.7
(WY)	1965	1965	1915	1931	1931	1965	1946	1987	1964	1962	1913	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1910 - 2002	
ANNUAL TOTAL	280755		289605			
ANNUAL MEAN	769		793		953	
HIGHEST ANNUAL MEAN					1611	1976
LOWEST ANNUAL MEAN					378	1965
HIGHEST DAILY MEAN	7610	Apr 10	7180	Jun 6	39000	Dec 31 1948
LOWEST DAILY MEAN	111	Aug 30	113	Sep 14	30	Sep 14 1913
ANNUAL SEVEN-DAY MINIMUM	116	Aug 25	123	Sep 8	77	Oct 7 1964
ANNUAL RUNOFF (CFSM)	1.51		1.56		1.87	
ANNUAL RUNOFF (INCHES)	20.48		21.12		25.39	
10 PERCENT EXCEEDS	1440		1660		2120	
50 PERCENT EXCEEDS	458		524		571	
90 PERCENT EXCEEDS	157		160		174	

e Estimated

01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY--Continued



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.

01335754 HUDSON RIVER ABOVE LOCK 1 NEAR WATERFORD, NY

LOCATION.--Lat 42°49'45", long 73°40'00", Saratoga County, Hydrologic Unit 02020003, 0.4 mi upstream from dam at Lock 1c, 2.8 mi northeast of Waterford, and 3.4 mi downstream from dam at Lock 2c Champlain (Barge) Canal.
DRAINAGE AREA.--4,605 mi^2.
PERIOD OF RECORD.--October 1887 to September 1956, October 1976 to current year. Prior to October 1976, published as "at Mechanicville" (01335500, drainage area 4,500 mi^2). Daily discharge records from October 1976 to September 1981 are published with suspended-sediment data as 01335770 Hudson River at Waterford, NY.
REVISED RECORDS.--WDR NY-99-1: 1998.
GAGE.--Water-stage recorder. Since October 1, 1998, supplementary water-stage and tainter gate-position recorders, 0.4 mi downstream at dam at lock 1C. Datum of gage is NGVD of 1929. Prior to February 1978, nonrecording gage 200 ft downstream.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated appreciably by Great Sacandaga Lake (see station 01323500) and Indian Lake (see station 01314500). Diurnal fluctuation caused by powerplants upstream from station. Water is diverted into St. Lawrence River basin through Glens Falls feeder, Bond Creek, and Champlain (Barge) Canal, and occasionally may be received from that basin through summit level of Champlain (Barge) Canal at Dunham Basin. Water-discharge data for July 1992 through May 1994 based on records for Hudson River at Stillwater (01331095) and Hoosic River near Eagle Bridge (01334500) due to reconstruction of dam at Lock 1c. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to construction of Great Sacandaga Lake in 1930, 120,000 ft^3/s, Mar. 28, 1913; maximum discharge since construction of lake, 118,000 ft^3/s, Jan. 1, 1949; maximum gage height, 36.38 ft, May 30, 31, 1984; minimum daily discharge since construction of lake, 614 ft^3/s, Feb. 1, 1931; minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,000 ft^3/s, Apr. 15, gage height, 25.88 ft; maximum gage height, 32.30 ft, June 6; minimum daily discharge, 1,820 ft^3/s, Sept. 11; minimum instantaneous discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2860	2550	e4700	3990	5610	8330	13700	10900	10200	8920	e2700	2930
2	2550	3120	e5500	4060	6930	8030	14000	11000	10500	8020	3630	2660
3	2710	3440	5720	3840	7500	8900	12500	12100	9830	6070	3250	2680
4	2740	2820	e5500	3720	7770	10200	13200	12000	8930	5190	3370	2800
5	2570	3880	4680	3460	7710	9950	11700	11100	8520	4140	3110	2860
6	2620	3520	4400	3470	6750	8810	10100	9670	e16000	4600	3490	2650
7	2460	3580	4050	3080	6070	8690	9440	9110	e13000	3780	3330	2690
8	2500	3480	4420	2650	5890	8300	8450	7870	e12000	3200	2910	2980
9	2500	3080	e4400	3050	6140	7950	7910	7760	11900	3900	2690	3330
10	2750	3180	4210	3270	5910	9350	8530	7410	9790	3870	2650	2680
11	2660	3420	e4400	3460	12500	10800	10400	6170	9580	3590	2870	1820
12	2670	3230	4080	3410	11700	10100	11200	6980	8700	3440	2910	2250
13	2670	3320	3720	3240	9840	8470	11400	9210	8920	3230	3000	2460
14	2920	e3500	3410	3720	9180	8280	16500	19100	9290	3310	3150	2430
15	3050	e3400	4610	3420	8260	8070	28500	23600	8720	3330	2830	2950
16	2950	e3100	5440	3060	8190	7740	29900	25000	9260	3070	2860	3680
17	3100	e3300	5120	3280	8690	8080	26700	23200	11900	3230	3290	3950
18	2790	3300	5020	3340	7820	8030	23000	21500	12200	3150	3110	3190
19	3010	e2600	6000	3200	7340	8340	e19000	21000	11800	3170	2820	3090
20	2780	e2800	5040	e3000	7120	8090	e16000	17600	10600	3430	e2700	2580
21	2740	3270	5280	3140	7960	7780	e14000	16100	8600	3760	2900	2730
22	3630	2560	4650	2780	9060	7970	12300	15100	8580	3280	2840	3060
23	3030	2690	4590	3090	9710	7460	11300	13600	8570	3550	2710	3630
24	2800	2300	4640	3430	8970	6550	10900	13100	8530	3210	2730	4010
25	2870	e2800	4940	4300	8940	6800	10300	12200	8050	3430	2140	3560
26	e3200	e3000	4470	4260	7630	6580	10500	11000	7270	3320	2140	3590
27	3500	3440	4090	4320	8150	19200	9460	9880	7340	2980	3360	3830
28	2610	3430	4180	4790	9250	17400	9140	9040	e9500	2780	2960	4130
29	2790	3350	3880	3610	---	12700	9570	9170	10200	3250	2650	4680
30	3730	3450	3840	5120	---	12200	10700	9140	e9000	2760	3080	4460
31	e1850	---	3900	5680	---	14100	---	7870	---	3260	3130	---
TOTAL	87610	94910	142880	112240	226590	293250	410300	398480	297280	120220	91310	94340
MEAN	2826	3164	4609	3621	8092	9460	13680	12850	9909	3878	2945	3145
MAX	3730	3880	6000	5680	12500	19200	29900	25000	16000	8920	3630	4680
MIN	1850	2300	3410	2650	5610	6550	7910	6170	7270	2760	2140	1820

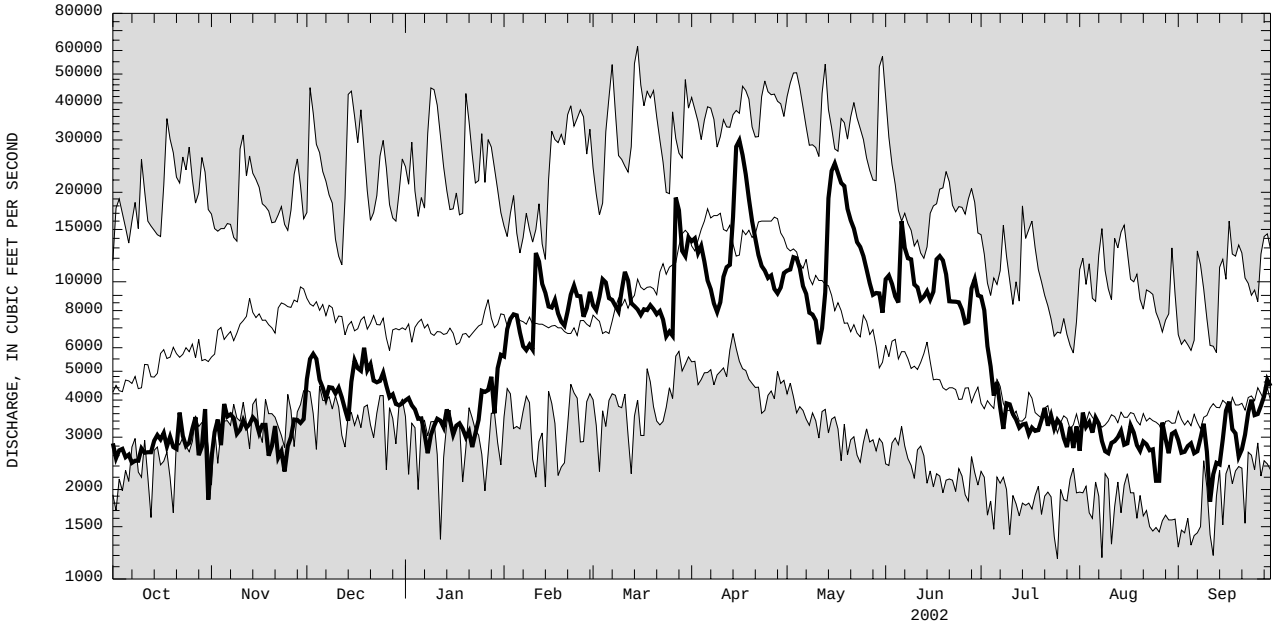
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2002, BY WATER YEAR (WY)

MEAN	5455	7334	7720	7809	7375	11000	15970	11020	6409	4375	3826	4110
MAX	16560	14490	18960	18480	16250	25600	29480	24610	16750	12740	8605	11320
(WY)	1978	1996	1997	1949	1981	1936	1993	1996	1947	1935	2000	1938
MIN	2378	2539	2696	2063	1611	3440	5508	2622	2009	1937	1604	2169
(WY)	1942	1931	1931	1931	1931	1931	1995	1941	1941	1941	1941	1941

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1931 - 2002	
ANNUAL TOTAL	2497520		2369410			
ANNUAL MEAN	6843		6492		7694	
HIGHEST ANNUAL MEAN					11050	1996
LOWEST ANNUAL MEAN					4240	1931
HIGHEST DAILY MEAN	34800	Apr 25	29900	Apr 16	94400	Dec 31 1948
LOWEST DAILY MEAN	1850	Oct 31	1820	Sep 11	614	Feb 1 1931
ANNUAL SEVEN-DAY MINIMUM	2360	Aug 24	2560	Sep 9	1180	Feb 1 1931
10 PERCENT EXCEEDS	12200		12000		15200	
50 PERCENT EXCEEDS	4980		4300		5650	
90 PERCENT EXCEEDS	2600		2720		2810	

e Estimated

01335754 HUDSON RIVER ABOVE LOCK 1 NEAR WATERFORD, NY--Continued



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.

01335770 HUDSON RIVER AT WATERFORD, NY

LOCATION.--Lat 42°47'19", long 73°40'28", at Saratoga-Rensselaer County line, Hydrologic Unit 02020003, at bridge on U.S. Highway 4 in Waterford, 0.4 mi upstream from first branch of Mohawk River, and 2.8 mi downstream from dam at lock 1 of the Champlain (Barge) Canal.
DRAINAGE AREA.--4,620 mi^2.
PERIOD OF RECORD.--Water years 1970 to current year.
CHEMICAL DATA: 1970-71 (e), 1972-76 (d), 1978 (e), 1979 (d), 1980-82 (e), 1987 (b), 1988-89 (c), 1990-91 (b), 1992 (a), 1993 (c), 1994 (d), 1995 (c), 1996-97 (a).
MINOR ELEMENTS DATA: 1970-71 (e), 1972-76 (d), 1977-79 (e), 1980-81 (d), 1982 (a), 1983, 1987 (b), 1988-89 (c), 1990-91(b), 1992-93 (a).
PESTICIDE DATA: 1975 (b), 1976 (d), 1977-79 (e), 1982, 1993-94, 1996 (a).
ORGANIC DATA: OC--1974 (c), 1975 (d), 1976 (c), 1978-79 (d), 1993 (c), 1994 (d), 1995 (c), 1996 (a), 1997 (b).
PCB--1975 (b), 1976 (d), 1977-84 (e), 1985 (c), 1986-87 (e), 1988 (d), 1989 (e), 1991 (d), 1992-94 (e), 1995 (d), 1996-2001 (e), 2002 (b).
PCN--1977-79 (e), 1982, 1993 (a).
NUTRIENT DATA: 1970-71 (e), 1972-75 (d), 1976 (c), 1977-78 (e), 1979-81 (d), 1993 (c), 1994 (d), 1995 (c), 1996 (a).
BIOLOGICAL DATA:
Bacteria--1978 (e), 1979-81 (d), 1993 (a).
Phytoplankton--1974 (a), 1975 (b), 1976 (c), 1979 (d), 1993 (a).
SEDIMENT DATA: 1975 (b), 1976-2002 (e).
PERIOD OF DAILY RECORD.--SUSPENDED-SEDIMENT DISCHARGE: October 1976 to current year.
REMARKS.--Water discharge data based on records obtained above Lock 1 near Waterford (station 01335754), 3.2 mi upstream. Sediment concentration reporting limit was lowered from <1 mg/L to <0.5 mg/L for water year 2002.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 810 mg/L, March 14, 1977; minimum daily mean, <1 mg/L on many days during water years 1991, 1993-95, 1997-98, and Sept. 28, 2000; minimum daily mean since 2002 water year, 1 mg/L, Nov. 7, 2001, Jan. 6-9, 2002.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 119,000 tons, March 14, 1977; minimum daily, 3.9 tons, Sept. 7, 1981.
EXTREMES FOR CURRENT YEAR.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 192 mg/L, June 6; minimum daily mean, 1 mg/L, Nov. 7, Jan. 6-9.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 9,920 tons, Apr. 15; minimum daily, 7.6 tons, Jan. 8.

SUSPENDED-SEDIMENT DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)	Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)	Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT			DEC			FEB		
01...	1550	3	01...	1055	3	26...	1700	4
02...	1605	3	02...	1635	3	27...	1750	6
03...	1459	3	03...	1655	5	28...	1700	7
03...	1605	2	04...	1537	2	MAR		
04...	1610	2	04...	1551	1	01...	1130	8
06...	1525	4	05...	1755	3	05...	0830	2
07...	1555	3	06...	1705	3	04...	1800	4
08...	1430	4	07...	1325	3	02...	1545	5
09...	1055	3	08...	1430	2	03...	1345	4
10...	1655	2	09...	1215	2	04...	1750	6
11...	1710	3	10...	1755	2	05...	1655	7
12...	1020	3	11...	1705	2	06...	1755	4
14...	1545	3	12...	1800	3	07...	1655	3
15...	1700	3	13...	1655	3	08...	1220	3
16...	1710	4	14...	1520	2	10...	1345	7
17...	1700	3	16...	1655	3	11...	1755	12
18...	1650	3	17...	1750	3	12...	1455	7
19...	1145	3	21...	1230	3	13...	1730	3
20...	1610	3	23...	1625	3	14...	1302	3
21...	0815	3	24...	1135	2	14...	1330	3
22...	1650	3	26...	1250	2	14...	1705	2
23...	1555	2	27...	1625	1	15...	1615	3
24...	1655	3	28...	1335	3	16...	1640	2
25...	0745	2	31...	1415	2	17...	1320	2
26...	1635	3	JAN			18...	1800	4
27...	1625	3	02...	1750	2	19...	1655	1
28...	1335	3	03...	1715	2	20...	1750	1
31...	1735	3	05...	1405	4	21...	1705	4
NOV			06...	1315	1	22...	1305	4
01...	1635	2	10...	1710	2	23...	1640	4
02...	2200	2	11...	1450	2	25...	1750	2
03...	1320	1	28...	1755	4	26...	1400	2
04...	1345	2	29...	1700	8	26...	1430	6
05...	1800	2	30...	1755	4	26...	1700	2
06...	1600	2	31...	1315	4	27...	0650	156
07...	1500	1	FEB			27...	1750	190
07...	1530	6	01...	1320	5	28...	0600	119
07...	1755	1	03...	1320	8	28...	1710	85
08...	1720	3	04...	1755	10	29...	0750	34
09...	1240	2	05...	1655	6	APR		
10...	1420	2	06...	1800	4	02 ...	1504	12
11...	0750	2	07...	1700	3	02...	1529	10
13...	1715	2	08...	1435	2	07...	1420	4
14...	1805	14	10...	1300	2	11...	1655	5
15...	1655	4	11...	1750	64	12...	1805	6
16...	2100	4	12...	1745	31	13...	1750	5
17...	1335	3	13...	1750	15	14...	1150	7
18...	1335	4	14...	1755	7	15...	1705	104
19...	1755	4	15...	1240	5	16...	0455	95
20...	1700	4	16...	1740	5	16...	1710	54
21...	1500	4	19...	1715	4	17...	0555	34
24...	1140	3	20...	1745	3	17...	1655	23
25...	1000	3	21...	1700	5	18...	0600	17
26...	1755	3	22...	1230	8	18...	2130	14
27...	1655	2	23...	1655	9	19...	1820	14
28...	1755	3	24...	1330	5	20...	1625	9
30...	2010	2	25...	1750	4	21...	1645	14

01335770 HUDSON RIVER AT WATERFORD, NY--Continued

SUSPENDED-SEDIMENT DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)	Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)	Date	Time	SEDIMENT, SUSPENDED (MG/L) (80154)
APR			JUN			AUG		
22...	1605	5	11...	1915	9	01...	1825	4
23...	1605	5	12...	1835	8	02...	1505	3
24...	1705	4	13...	1800	10	03...	2230	3
25...	1615	5	14...	1830	10	04...	1825	4
26...	1050	10	16...	1340	9	05...	2105	4
28...	1145	4	17...	1820	19	07...	2230	4
29...	0550	4	18...	1820	17	08...	2225	4
MAY			19...	1830	10	09...	1515	3
01...	1630	6	20...	2020	7	10...	2305	4
02...	1615	9	21...	1855	6	11...	1525	3
03...	1030	5	22...	1820	9	12...	2110	3
04...	1140	6	23...	1615	10	13...	1510	4
06...	1655	4	24...	1840	9	14...	2230	3
07...	1610	3	25...	1330	7	15...	1930	4
08...	1500	3	26...	1845	6	16...	1935	5
09...	0450	4	27...	2010	8	17...	1910	8
10...	1335	5	28...	1525	31	18...	1920	5
11...	0830	3	29...	1855	25	19...	1720	3
13...	1705	12	30...	1940	15	20...	1740	4
14...	0450	40	JUL			21...	1800	3
14...	1605	49	01...	1830	8	23...	1910	4
15...	0550	50	02...	1935	9	25...	1905	3
15...	1700	36	03...	1945	6	26...	1745	3
16...	0450	29	04...	2150	7	27...	1900	4
16...	1600	25	05...	1820	6	28...	1850	3
17...	1320	16	06...	2025	6	30...	1830	4
19...	1825	12	07...	1825	8	31...	1905	3
20...	1655	8	08...	1835	5	SEP		
21...	1700	6	09...	1935	3	03...	1900	3
22...	1600	6	10...	1405	5	04...	1840	3
23...	1655	5	11...	1420	3	05...	1635	3
24...	1415	4	12...	1230	10	06...	1150	3
25...	2230	5	13...	2240	4	08...	1545	3
26...	2150	5	14...	1800	9	09...	1710	3
27...	1335	4	15...	1925	16	10...	0505	1
28...	1840	4	16...	2220	4	11...	1640	3
29...	1935	5	17...	2230	3	12...	1610	3
30...	1700	8	18...	2230	6	15...	1310	2
30...	1840	9	19...	1415	5	16...	1650	8
31...	1930	6	20...	2115	3	17...	1845	3
JUN			21...	2015	7	20...	1205	3
02...	1330	10	22...	1920	7	24...	1705	4
03...	1530	6	23...	2220	5	25...	1635	3
04...	1525	5	24...	2150	4	26...	1730	3
05...	1410	6	25...	2220	4	27...	1045	3
06...	1415	329	26...	1515	3	28...	1550	3
07...	1345	56	27...	2220	5	29...	1015	3
08...	2250	16	29...	1955	4	30...	1650	2
09...	1625	14	30...	1930	2			
10...	1915	9	31...	2220	3			

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	AROCLOR 1016/1242 PCB WATER UNFLTRD (UG/L) (81648)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	AVERAGE SEDIMENT, SUSPENDED (MG/L) (80154)
OCT						
03...	1439	2230	E.019	E.013	E.006	3
NOV						
07...	1515	1830	E.020	<.005	<.005	4
DEC						
04...	1534	5190	E.018	<.005	<.005	2
MAR						
14...	1308	8020	E.019	<.005	<.005	3
26...	1407	5690	<.005	<.005	<.005	4

E Estimated

01335770 HUDSON RIVER AT WATERFORD, NY--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3	20	2	17	3	e36	e2	e22	5	74	7	158
2	3	19	2	19	3	e42	2	25	e6	e114	5	108
3	3	19	2	16	4	64	2	23	8	152	4	98
4	2	16	2	12	3	e48	e3	e29	9	190	5	150
5	3	18	2	20	3	43	3	32	7	138	6	174
6	3	23	2	18	3	37	1	13	4	77	4	104
7	3	21	1	13	3	30	e1	e8.3	3	46	3	70
8	3	22	2	24	2	23	e1	e7.6	2	32	3	62
9	3	18	2	18	2	e25	e1	e12	e2	e33	e4	e74
10	2	18	2	18	2	22	2	14	2	40	7	173
11	3	21	2	20	2	e23	2	18	37	1530	11	308
12	3	20	e2	e18	2	26	e2	e18	36	1160	8	206
13	e3	e20	2	19	3	28	e2	e18	19	509	4	86
14	3	22	7	e63	3	24	e2	e20	9	232	2	57
15	3	22	5	e43	e3	e36	e2	e18	6	124	2	54
16	4	28	4	e31	3	45	e2	e16	5	103	2	46
17	3	25	4	e31	3	44	e2	e18	e4	e96	2	41
18	3	21	4	34	e3	e41	e2	e18	e4	e84	3	68
19	3	24	4	e28	e3	e49	e2	e17	4	77	2	45
20	3	21	4	e28	e3	e41	e2	e17	3	65	2	32
21	3	20	4	37	3	45	e3	e24	4	97	3	64
22	3	28	e4	e28	e3	e38	e3	e22	7	177	4	85
23	2	19	e4	e28	3	34	e3	e25	9	224	4	72
24	2	18	3	20	2	27	e3	e28	6	143	2	39
25	2	17	3	e22	e2	e27	e3	e35	4	107	2	34
26	2	e22	3	e22	2	23	e3	e34	4	79	3	49
27	3	25	2	23	2	18	e3	e36	6	121	146	8120
28	3	20	3	27	2	26	4	48	7	164	101	4870
29	e3	e22	e3	e27	e2	e22	7	68	---	---	36	1240
30	e3	e30	2	23	e2	e21	5	67	---	---	e21	e707
31	3	e15	---	---	2	20	4	63	---	---	e19	e735
TOTAL	---	654	---	747	---	1028	---	813.9	---	5988	---	18129

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	e15	e564	6	179	8	214	10	236	4	e27	e3	e24
2	12	435	8	232	9	258	8	179	3	33	e3	e21
3	e8	e269	6	182	7	181	7	112	3	28	3	20
4	e6	e219	6	194	5	128	7	92	4	34	3	21
5	e5	e158	e5	e151	6	128	6	69	4	34	3	24
6	e4	e111	4	111	192	e8370	6	71	e4	e38	3	23
7	4	92	4	86	69	e2420	7	70	4	38	e3	e22
8	e3	e70	3	72	27	e861	6	48	4	34	3	25
9	e3	e64	4	82	14	466	4	41	3	24	3	25
10	e3	e75	4	88	11	284	4	47	4	24	2	11
11	5	136	4	64	9	237	4	36	3	26	2	12
12	6	175	e5	e91	8	191	e5	e49	3	25	3	18
13	6	173	10	293	9	223	4	38	4	26	e3	e19
14	57	3550	48	2700	10	247	7	61	3	29	e2	e14
15	130	9920	43	2980	e9	e215	e9	83	4	26	2	19
16	72	5820	26	1960	9	225	6	48	4	31	e4	e44
17	29	2100	17	1120	e12	e398	4	30	7	62	4	41
18	16	1000	e14	e805	17	573	5	38	6	52	e3	e27
19	14	e711	12	689	12	383	5	41	4	29	e3	e25
20	11	e455	9	416	8	234	3	32	4	e27	3	21
21	12	e467	7	284	7	157	5	51	4	27	e3	e22
22	7	225	6	243	8	196	7	61	e3	e24	e3	e25
23	4	136	5	183	10	226	6	54	3	25	e3	e30
24	4	115	4	148	9	214	4	36	e3	e23	4	37
25	5	144	4	145	7	160	4	37	3	18	3	32
26	9	245	4	135	6	119	4	33	3	17	3	30
27	e6	e141	4	116	7	141	4	36	3	30	3	29
28	4	108	4	107	23	e579	e4	e32	3	24	3	32
29	4	115	5	114	27	744	4	34	e3	e22	3	34
30	e5	e146	7	170	18	e440	3	22	4	30	2	29
31	---	---	7	142	---	---	3	24	3	29	---	---
TOTAL	---	27939	---	14282	---	19212	---	1841	---	916	---	756

YEAR 92305.9

e Estimated

01336000 MOHAWK RIVER BELOW DELTA DAM, NEAR ROME, NY

LOCATION.--Lat 43°15'52", long 75°26'12", Oneida County, Hydrologic Unit 02020004, on right bank at Rome Fish Hatchery, 1.0 mi downstream from Delta Dam, and 4.0 mi north of Rome.
DRAINAGE AREA.--152 mi^2.
PERIOD OF RECORD.--July 1921 to September 1927 (monthly discharges only, published in WSP 1302), October 1927 to current year.
REVISED RECORDS.--WDR NY-85-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 472.85 ft above NGVD of 1929. Prior to Jan. 24, 1937, nonrecording gage at site 200 ft downstream at same datum.
REMARKS.--No estimated daily discharges. Records good. During canal navigation season, water is diverted from Black River through Forestport feeder and Black River Canal (flowing south) into basin above Delta Reservoir. Flow regulated by Delta Reservoir (usable capacity, 2,800 mil ft^3). Small quantity of water diverted from Delta Reservoir for fish hatchery use and later returned to river, part upstream and part downstream from station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,560 ft^3/s, Oct. 2, 1945, gage height, 11.18 ft, from rating curve extended above 5,200 ft^3/s on basis of flow-over-dam measurement of peak flow; minimum discharge, 15 ft^3/s, Mar. 26, 2002; minimum gage height, 0.63 ft, Oct. 24, 25, 1983.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,240 ft^3/s, Apr. 14, gage height, 6.92 ft; minimum, 15 ft^3/s, Mar. 26, gage height, 0.65 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

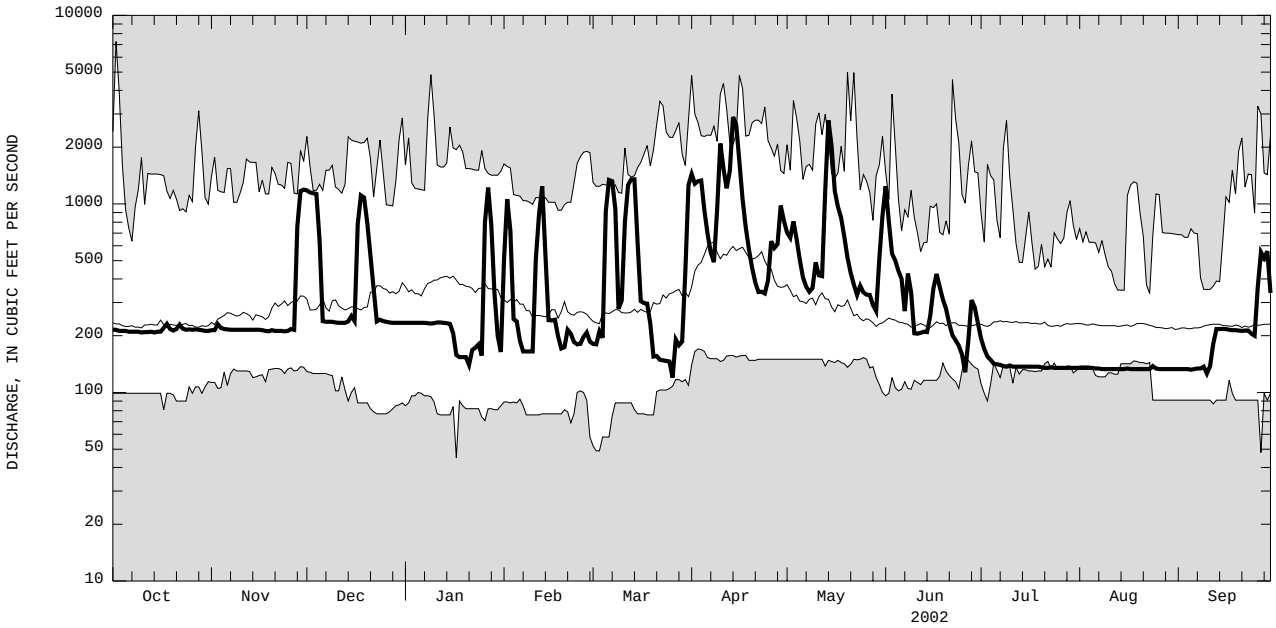
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	215	214	1180	234	511	181	1440	704	1240	193	135	133
2	215	214	1150	234	1060	180	1280	662	802	170	135	133
3	212	230	1140	234	719	211	1320	807	545	155	135	133
4	212	220	1130	234	245	195	1330	650	502	149	135	133
5	212	217	640	234	238	915	925	505	442	142	135	132
6	210	216	239	234	188	1340	692	407	400	141	134	133
7	210	215	237	234	165	1320	552	364	270	140	134	134
8	210	215	237	233	165	938	491	342	427	138	133	134
9	210	215	237	232	165	278	935	358	339	137	133	137
10	208	215	235	233	165	307	2090	490	206	139	133	126
11	209	215	234	235	513	800	1540	418	205	137	133	138
12	209	215	234	235	877	1260	1210	414	207	137	133	181
13	210	215	234	234	1240	1350	1500	1180	210	137	133	217
14	208	215	238	233	546	1350	2890	2770	209	137	133	217
15	210	215	254	231	242	622	2640	2020	254	137	133	217
16	210	215	239	206	241	305	1680	1170	356	137	134	217
17	220	214	783	158	243	298	1060	964	425	137	133	215
18	231	212	1110	154	198	296	752	842	363	137	133	214
19	217	211	1080	154	171	231	575	669	311	137	133	214
20	213	214	792	154	174	155	459	518	277	136	133	213
21	217	212	531	140	215	156	383	430	231	135	133	212
22	229	212	355	168	205	149	341	373	201	135	133	213
23	218	212	238	173	185	148	342	329	189	136	133	213
24	215	211	243	180	180	147	335	368	177	135	138	205
25	216	212	239	157	181	146	392	339	159	135	134	200
26	215	217	237	798	197	120	634	330	128	135	133	363
27	216	215	235	1220	208	191	584	329	189	135	133	555
28	215	758	234	772	186	178	611	291	309	135	133	517
29	214	1170	234	335	---	186	980	270	283	135	133	561
30	212	1190	234	200	---	434	814	512	233	135	133	337
31	212	---	234	164	---	1260	---	868	---	135	133	---
TOTAL	6630	8921	14637	8637	9623	15647	30777	20693	10089	4359	4142	6747
MEAN	214	297	472	279	344	505	1026	668	336	141	134	225
MAX	231	1190	1180	1220	1240	1350	2890	2770	1240	193	138	561
MIN	208	211	234	140	165	120	335	270	128	135	133	126

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

MEAN	301	360	406	469	382	439	669	387	275	250	234	249
MAX	1199	784	920	1152	917	1038	1319	929	755	518	448	651
(WY)	1946	1960	1997	1930	1932	1943	1993	1972	1972	1935	2000	1945
MIN	105	135	102	85.5	98.4	92.9	185	152	147	141	134	92.6
(WY)	1935	1999	1961	1961	1961	1931	1946	1995	1988	2002	2002	1934

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1928 - 2002	
ANNUAL TOTAL	129051		140902			
ANNUAL MEAN	354		386		368	
HIGHEST ANNUAL MEAN					601	1947
LOWEST ANNUAL MEAN					219	1965
HIGHEST DAILY MEAN	2110	Jun 24	2890	Apr 14	7270	Oct 2 1945
LOWEST DAILY MEAN	169	Sep 16	120	Mar 26	45	Jan 17 1931
ANNUAL SEVEN-DAY MINIMUM	169	Sep 16	133	Sep 4	55	Feb 28 1931
10 PERCENT EXCEEDS	870		948		732	
50 PERCENT EXCEEDS	239		216		250	
90 PERCENT EXCEEDS	174		135		166	

01336000 MOHAWK RIVER BELOW DELTA DAM, NEAR ROME, NY--Continued



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.

01343060 WEST CANADA CREEK NEAR WILMURT, NY

LOCATION.--Lat 43°21'58", long 74°57'29", Herkimer County, Hydrologic Unit 02020004, on right bank 15 ft downstream from bridge on State Highway 8, 2.6 mi southwest of Wilmurt, and about 3.0 mi upstream from Hinckley Reservoir.
DRAINAGE AREA.--258 mi^2.
PERIOD OF RECORD.--April 2001 (maximum only), June 2001 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,257.97 ft above NGVD of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft^3/s, Apr. 14, 2002, gage height, 11.82 ft; minimum, 34 ft^3/s, Sept. 14, 2002, gage height, 2.23 ft.
EXTREMES FOR CURRENT PERIOD.--Peak discharges greater than base discharge of 6,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 14	0145	*15,000	*11.82	No other peak greater than base discharge.			

Minimum discharge, 34 ft^3/s, Sept. 14, gage height, 2.23 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	525	e1830	e240	787	587	2010	1050	2140	346	57	44
2	110	613	1260	e250	e1500	518	1770	994	1390	264	56	42
3	100	697	873	e230	e1100	675	1610	1310	990	210	55	44
4	91	635	657	e220	e930	1190	1670	1050	706	173	52	68
5	86	587	540	e210	e540	906	1180	807	661	149	51	52
6	89	509	463	e190	e450	727	928	646	634	137	49	44
7	111	421	398	e200	e410	610	759	561	547	124	47	41
8	134	368	346	e220	e380	e534	698	609	421	111	45	39
9	128	359	323	e220	e360	704	1510	555	346	104	43	38
10	116	340	294	214	e380	2960	5320	573	293	104	41	37
11	108	314	273	e220	1410	e1800	3290	475	245	92	40	37
12	102	284	250	e210	e1000	1820	3360	466	517	85	39	36
13	98	251	e270	e210	e620	995	5920	1350	900	79	38	35
14	95	244	434	e210	e540	e892	10800	3920	573	74	38	35
15	121	251	912	207	e460	938	8580	2680	566	71	38	42
16	154	264	867	203	e440	e1370	5640	1640	1020	70	40	234
17	259	254	664	e202	e410	e1400	4080	1640	1420	68	42	152
18	377	230	639	214	e380	e900	2860	1500	1030	66	40	92
19	297	216	532	219	369	e740	1930	1270	667	69	38	68
20	241	345	453	204	347	e640	1350	967	466	71	39	59
21	217	396	e406	e208	e787	e560	1010	772	347	67	37	54
22	506	333	306	207	e1000	546	793	636	279	63	39	53
23	475	286	e284	e240	e740	518	687	521	389	66	50	225
24	383	255	e240	e223	e640	528	646	454	355	67	69	195
25	366	266	e230	387	e520	481	712	433	267	62	104	120
26	375	635	e210	e440	e500	434	817	390	231	60	79	89
27	352	606	198	e420	769	923	684	360	1000	63	64	171
28	324	489	231	391	706	924	877	310	1650	64	54	1470
29	273	640	239	361	---	781	1620	369	871	71	49	615
30	249	1150	236	396	---	1360	1290	697	504	66	49	298
31	238	---	e230	507	---	1850	---	1240	---	61	46	---
TOTAL	6702	12763	15088	8073	18475	29811	74401	30245	21425	3177	1528	4529
MEAN	216	425	487	260	660	962	2480	976	714	102	49.3	151
MAX	506	1150	1830	507	1500	2960	10800	3920	2140	346	104	1470
MIN	86	216	198	190	347	434	646	310	231	60	37	35
CFSM	0.84	1.65	1.89	1.01	2.56	3.73	9.61	3.78	2.77	0.40	0.19	0.59
IN.	0.97	1.84	2.18	1.16	2.66	4.30	10.73	4.36	3.09	0.46	0.22	0.65

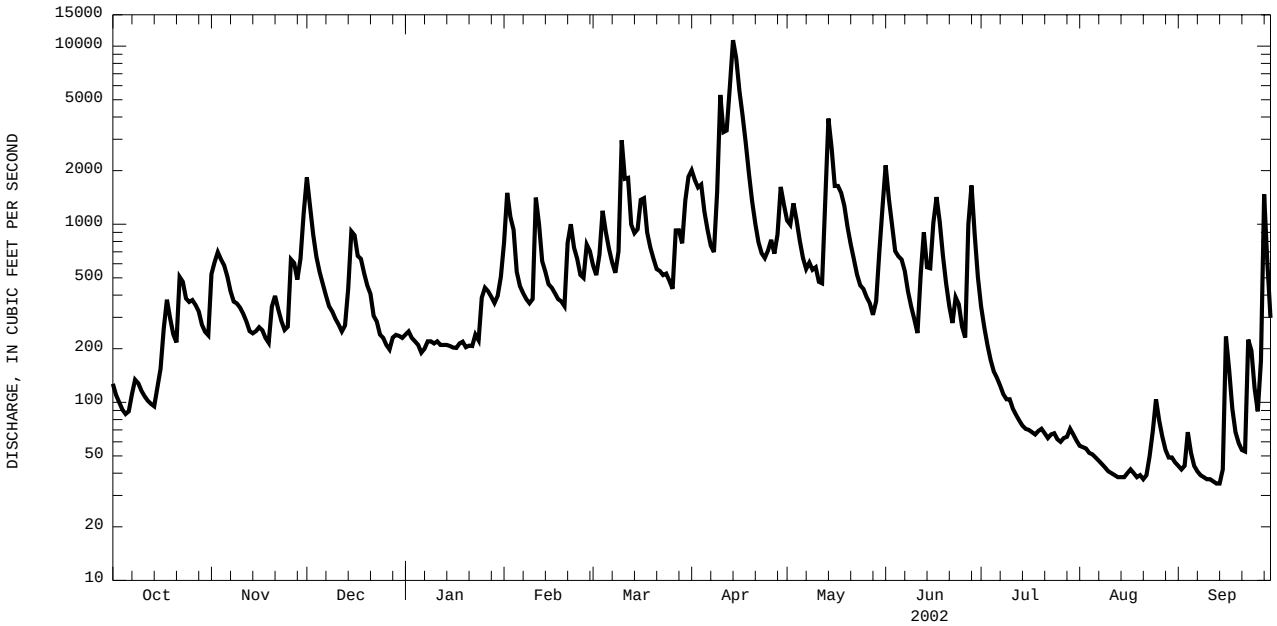
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

MEAN	216	425	487	260	660	962	2480	976	714	151	72.8	148
MAX	216	425	487	260	660	962	2480	976	714	200	96.4	151
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2001	2001	2002
MIN	216	425	487	260	660	962	2480	976	714	102	49.3	144
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 2001 - 2002	
ANNUAL TOTAL	226217			
ANNUAL MEAN	620		620	
HIGHEST ANNUAL MEAN			620	2002
LOWEST ANNUAL MEAN			620	2002
HIGHEST DAILY MEAN	10800	Apr 14	10800	Apr 14 2002
LOWEST DAILY MEAN	35	Sep 13	35	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	37	Sep 8	37	Sep 8 2002
ANNUAL RUNOFF (CFSM)	2.40		2.40	
ANNUAL RUNOFF (INCHES)	32.62		32.64	
10 PERCENT EXCEEDS	1350		1350	
50 PERCENT EXCEEDS	360		360	
90 PERCENT EXCEEDS	52		52	

e Estimated

01343060 WEST CANADA CREEK NEAR WILMURT, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01346000 WEST CANADA CREEK AT KAST BRIDGE, NY

LOCATION.--Lat 43°04'08", long 74°59'19", Herkimer County, Hydrologic Unit 02020004, on right bank 600 ft downstream from bridge on old State Highway 28 at Kast Bridge, 1.2 mi downstream from North Creek, 2.2 mi north of Herkimer, and 4.0 mi upstream from mouth.
DRAINAGE AREA.--560 mi^2.
PERIOD OF RECORD.--January 1907, April to December 1907, March 1908 to December 1909, April 1910 to December 1911 (monthly discharges only, published in WSP 1302), January 1912 to December 1913, April 1914 to June 1918 (monthly discharges only, published in WSP 1302), October 1920 to current year.
REVISED RECORDS.--WDR NY-85-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 438.99 ft above NGVD of 1929. Prior to Sept. 18, 1920, nonrecording gage at former highway bridge 500 ft upstream at different datum. Prior to Oct. 23, 1985, at site on left bank, at current datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Since March 1914, flow regulated by Hinckley Reservoir, 31 mi upstream from station (usable capacity, 3,320 mil ft^3). Diurnal fluctuation at low and medium flow caused by powerplants upstream from station. Diversion at Trenton Falls, 26 mi upstream from station, by Ninemile feeder since 1915 during canal navigation season. Diversion from Hinckley Reservoir for Utica water supply returned to Mohawk River.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to regulation, 23,300 ft^3/s, Mar. 26, 1913, from reports of State Engineer and Surveyor; maximum gage height, 10.47 ft, probably Feb. 17, 1943, from floodmark in gage well (ice jam); maximum discharge since regulation, 20,500 ft^3/s, Oct. 2, 1945, gage height, 8.08 ft; minimum discharge, 20 ft^3/s, Sept. 3, 1929, gage height, 0.90 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,600 ft^3/s, Apr. 15, gage height, 6.65 ft; minimum, 239 ft^3/s, Aug. 12, gage height, 2.09 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	508	737	1590	e860	2100	1410	2790	2300	2420	954	460	481
2	530	732	904	e820	2000	1400	2560	2900	2190	898	439	457
3	521	873	754	e760	1300	2300	2710	2850	2450	864	367	468
4	523	833	702	646	1100	2080	2510	2170	2380	867	379	475
5	493	838	679	606	915	1500	2260	1930	2290	858	378	466
6	467	849	642	579	e880	1460	2150	1860	2030	841	370	476
7	526	813	813	630	e860	e1400	2060	1830	1190	824	378	419
8	518	754	893	672	e840	e1300	2060	1300	865	794	377	420
9	515	741	927	658	824	2180	2430	1360	833	836	378	453
10	511	785	915	601	897	3550	3160	1490	800	725	371	461
11	508	813	913	605	2360	2240	2450	1100	781	762	364	467
12	510	788	902	582	1310	2880	2340	1210	871	743	369	445
13	379	759	1000	547	1050	2800	3250	2730	923	657	447	353
14	434	754	1080	540	930	2890	5420	4550	828	639	378	299
15	460	738	1460	538	1080	2960	11800	4190	1260	630	374	344
16	515	673	1150	516	1210	3080	10200	3760	1440	686	384	487
17	553	620	1050	518	1240	2900	7030	3510	1730	668	452	357
18	676	573	1400	527	e1100	2820	5150	3450	2450	672	430	354
19	536	544	1250	571	e1000	2790	3970	2990	2120	668	375	351
20	471	602	1310	552	e1100	2810	3110	2650	1720	564	431	352
21	525	616	1190	527	2110	2780	2690	2480	1660	546	411	333
22	731	587	1060	526	2120	2240	2380	2350	1050	571	550	358
23	606	576	1020	559	1550	e2000	2380	1910	865	615	588	646
24	523	554	e980	661	1300	e1900	1820	1410	776	593	833	410
25	463	582	e960	781	1270	1840	2030	1240	740	579	648	375
26	663	786	e920	672	1570	2340	2010	1160	785	489	491	328
27	756	664	e880	671	2180	3600	2080	1200	2890	490	470	730
28	761	631	858	697	1500	2810	2190	1170	1710	492	462	1230
29	734	940	823	693	---	2960	2670	859	1120	473	466	627
30	733	1100	801	1080	---	3830	2250	1030	979	476	478	426
31	715	---	e820	841	---	3030	---	2030	---	477	546	---
TOTAL	17364	21855	30646	20036	37696	76080	101910	66969	44146	20951	13844	13848
MEAN	560	728	989	646	1346	2454	3397	2160	1472	676	447	462
MAX	761	1100	1590	1080	2360	3830	11800	4550	2890	954	833	1230
MIN	379	544	642	516	824	1300	1820	859	740	473	364	299

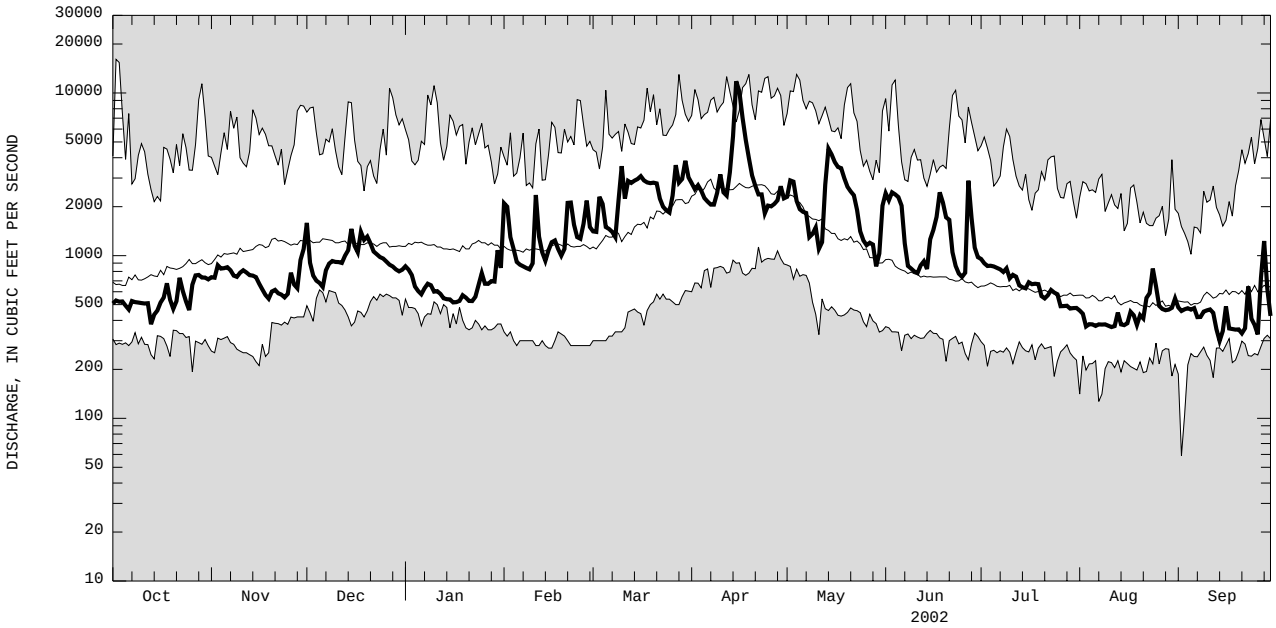
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2002, BY WATER YEAR (WY)

MEAN	939	1312	1382	1325	1241	1884	2927	1871	996	745	599	693
MAX	3131	2984	2835	3044	2704	3725	5623	4667	3875	2075	1481	1831
(WY)	1946	1960	1997	1930	1981	1945	1993	1972	1972	1935	1986	1977
MIN	338	335	621	453	316	681	1056	594	359	283	227	284
(WY)	1965	1965	1931	1931	1931	1940	1995	1987	1941	1941	1934	1934

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1921 - 2002	
ANNUAL TOTAL	435782		465364			
ANNUAL MEAN	1194		1275		1325	
HIGHEST ANNUAL MEAN					1872	1972
LOWEST ANNUAL MEAN					829	1965
HIGHEST DAILY MEAN	9030	Apr 25	11800	Apr 15	16100	Oct 2 1945
LOWEST DAILY MEAN	341	Sep 13	299	Sep 14	59	Sep 2 1929
ANNUAL SEVEN-DAY MINIMUM	388	Sep 12	363	Sep 14	211	Aug 16 1934
10 PERCENT EXCEEDS	2330		2720		2590	
50 PERCENT EXCEEDS	877		833		1000	
90 PERCENT EXCEEDS	491		446		455	

e Estimated

01346000 WEST CANADA CREEK AT KAST BRIDGE, NY--Continued



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.

01347000 MOHAWK RIVER NEAR LITTLE FALLS, NY

LOCATION.--Lat 43°00'53", long 74°46'47", Herkimer County, Hydrologic Unit 02020004, on left bank 1,800 ft downstream from Fivemile Dam, 2.0 mi upstream from East Canada Creek, and 4.5 mi southeast of city of Little Falls.
DRAINAGE AREA.--1,342 mi^2.
PERIOD OF RECORD.--October 1927 to current year.
REVISED RECORDS.--WSP 741: 1929(M). WSP 1302: 1932(M). WSP 1432: 1928-30. WDR NY-85-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 308.84 ft above NGVD of 1929 (levels by Corps of Engineers).
REMARKS.--Records good except those for estimated daily discharges, which are poor. Prior to October 1998, records of daily discharge include diversion at Fivemile Dam into Erie (Barge) Canal for lockages at lock 16, near St. Johnsville. During canal navigation season, water is received from Black River basin through Black River Canal flowing south, and from Chenango River basin through Oriskany Creek feeder. Water is diverted into (or may occasionally be received from) Oswego River basin through summit level of Erie (Barge) Canal between New London and Utica. Diurnal fluctuation caused by powerplants and locks and dams on Erie (Barge) Canal. Regulation by Delta and Hinckley Reservoirs (combined usable capacity, 6,120 mil ft^3) (see Reservoirs in Hudson River Basin). Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (river channel only), 33,100 ft^3/s, Mar. 14, 1977, gage height, 19.17 ft, from floodmark in gage house; minimum discharge (river channel only), 214 ft^3/s, Aug. 18, 1949, gage height, 3.75 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge (since at least 1898) prior to regulation by Hinckley Reservoir, 34,800 ft^3/s, Mar. 27, 1913 (from report by R. E. Horton, 1913), at site 01346500 "at Little Falls" (drainage area, 1,290 mi^2).
EXTREMES FOR CURRENT YEAR.--Maximum discharge (river channel only), 18,200 ft^3/s, Apr. 16, gage height, 14.29 ft; minimum discharge (river channel only), 512 ft^3/s, Oct. 5, gage height, 4.47 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1630	1180	3940	e1200	4120	3150	6670	5210	6930	1850	797	983
2	1070	1210	3350	e1150	6320	2770	6170	5430	5270	1640	801	901
3	964	1470	2710	e1100	5340	3780	6100	5960	3870	1520	716	875
4	921	1670	2360	e1100	4120	4670	6070	4740	3540	1430	702	933
5	812	1550	2200	1100	2650	3370	5460	3820	3820	1360	708	913
6	780	1500	1830	1110	e2100	3360	4640	2990	4700	1270	696	913
7	907	1670	1480	1190	e1900	3660	3980	3080	3550	1240	719	843
8	930	1870	1500	1120	e1900	3780	3660	2540	2340	1170	719	834
9	897	1680	1520	1140	1870	4080	3710	2560	2090	1200	720	836
10	895	1310	1520	1160	1850	6390	5810	3340	1880	1280	709	844
11	895	1320	1490	1300	6360	4940	5860	2840	1600	1060	696	850
12	886	1290	1470	e1300	5480	5080	5300	2640	1620	1150	682	809
13	740	1540	1570	e1280	4460	5110	5500	7580	1870	1040	769	754
14	778	1280	1870	e1250	3530	5200	8760	11800	1690	976	720	656
15	798	1220	2520	e1200	2860	5470	17000	11000	2410	981	723	781
16	954	1180	2500	e1200	2670	5100	17500	10400	3330	1020	728	1420
17	955	1160	2070	e1200	2920	4390	14000	8220	4030	1030	1080	1190
18	1250	1080	2880	1200	2690	4070	10000	7990	4340	1000	980	959
19	1220	1100	3820	1140	2360	4070	6830	7180	3370	1020	800	874
20	1000	1650	3920	1100	2340	4450	4930	5490	2620	955	841	807
21	965	1290	3450	1070	3770	4730	4110	4390	2400	952	868	834
22	1310	1150	2690	1080	5390	4440	3530	4100	1870	878	970	920
23	1360	1110	2160	1100	4340	3800	3520	3370	1590	1050	1300	1790
24	1140	1050	1990	1450	3130	3510	2450	2680	1520	1010	2240	1550
25	962	1060	e1900	2520	2750	3200	2230	2500	1390	994	3130	1100
26	1110	1310	e1700	2310	3010	3760	4000	2330	1270	914	1630	938
27	1260	1290	e1600	2390	4800	8610	4290	2270	3940	893	1200	1420
28	1310	1210	e1500	2760	4120	7820	4110	2110	7080	896	1070	5280
29	1270	1820	e1300	2590	---	7510	5680	1830	4360	859	1010	2800
30	1230	3060	e1250	3180	---	8860	5630	2120	1930	859	980	1800
31	1160	---	e1200	3150	---	7570	---	3600	---	844	1030	---
TOTAL	32359	42280	67260	47140	99150	150700	187500	146110	92220	34341	30734	36407
MEAN	1044	1409	2170	1521	3541	4861	6250	4713	3074	1108	991	1214
MAX	1630	3060	3940	3180	6360	8860	17500	11800	7080	1850	3130	5280
MIN	740	1050	1200	1070	1850	2770	2230	1830	1270	844	682	656

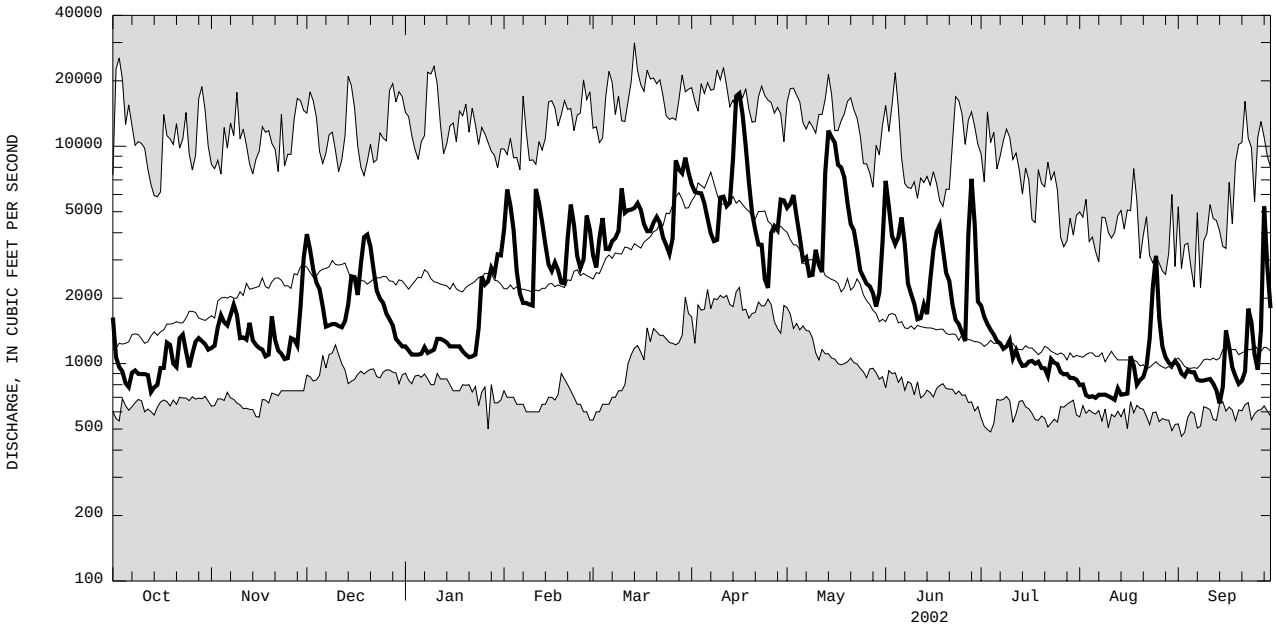
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

MEAN	1889	2779	3102	3049	2955	4772	6078	3368	1929	1474	1187	1402
MAX	6529	5873	6673	6825	6759	9558	13160	7879	6306	3771	2912	4361
(WY)	1946	1960	1997	1998	1976	1945	1993	1943	1972	1935	1986	1977
MIN	719	750	1061	820	679	1693	2289	1334	900	685	642	684
(WY)	1965	1931	1931	1931	1931	1940	1995	1995	1999	1934	1934	1939

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1928 - 2002	
ANNUAL TOTAL	920786		966201			
ANNUAL MEAN	2523		2647		2829	
HIGHEST ANNUAL MEAN					4208	1976
LOWEST ANNUAL MEAN					1684	1931
HIGHEST DAILY MEAN	20200	Apr 10	17500	Apr 16	29900	Mar 14 1977
LOWEST DAILY MEAN	642	Sep 20	656	Sep 14	463	Sep 2 1934
ANNUAL SEVEN-DAY MINIMUM	681	Sep 12	706	Aug 6	529	Aug 29 1934
10 PERCENT EXCEEDS	4870		5460		5920	
50 PERCENT EXCEEDS	1730		1670		1940	
90 PERCENT EXCEEDS	879		859		901	

e Estimated

01347000 MOHAWK RIVER NEAR LITTLE FALLS, NY--Continued



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.

01349150 CANAJOHARIE CREEK NEAR CANAJOHARIE, NY
(National water-quality assessment program station)

LOCATION.--Lat 42°52'34", long 74°36'12", Montgomery County, Hydrologic Unit 02020004, on right bank 10 ft upstream from bridge on McEwan Road, and 2.3 mi southwest of Canajoharie. Water-quality sampling site at discharge station.
DRAINAGE AREA.--59.7 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1993 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 640 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,630 ft^3/s, Nov. 9, 1996, gage height, 8.88 ft; minimum, 0.23 ft^3/s, Aug. 27, 28, 29, 1995, gage height, 1.26 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 11	--	a1,300	ice jam	May 13	2015	1,880	6.89
Mar. 27	0200	*2,850	*8.08	June 6	0845	1,800	6.79

a About.

Minimum discharge, 0.60 ft^3/s, Aug. 15, 16; minimum gage height, 1.31 ft, Sept. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.3	1.2	4.7	e3.7	102	77	194	160	47	13	1.8	3.1
2	e1.4	1.3	4.4	3.6	170	59	151	116	27	11	1.6	2.7
3	1.5	1.6	2.7	3.9	e70	108	141	104	22	9.4	1.6	2.5
4	1.4	2.3	2.0	4.3	e45	118	124	71	18	8.3	1.6	2.6
5	1.1	1.8	1.7	4.4	e36	e60	89	56	51	7.6	1.5	2.3
6	0.99	1.4	1.6	4.8	e30	e50	76	46	1150	7.2	1.3	2.0
7	0.74	1.4	1.4	5.2	e29	45	60	39	325	6.8	1.4	1.7
8	0.81	1.3	1.3	5.1	e28	44	56	35	135	6.2	1.1	1.7
9	0.87	1.2	1.7	5.6	e28	54	51	40	84	5.8	1.1	1.5
10	0.89	1.3	1.7	6.1	e30	141	55	82	59	6.3	1.0	1.4
11	0.80	1.4	1.4	8.8	e300	74	44	41	45	5.2	0.96	1.1
12	0.79	1.3	1.3	11	181	56	37	108	36	4.4	0.87	0.81
13	0.83	1.2	1.6	12	109	53	36	918	33	4.2	0.79	0.78
14	0.79	1.2	4.3	9.9	e70	52	42	908	30	3.9	0.75	0.87
15	0.84	1.2	18	9.0	e62	44	105	361	40	3.6	0.66	2.9
16	1.1	1.3	12	8.6	113	44	74	177	99	3.1	0.77	39
17	1.2	1.3	9.4	e7.8	114	38	53	137	71	2.9	1.2	14
18	0.83	1.2	14	e7.4	e60	37	42	497	39	2.9	3.4	7.0
19	0.88	1.1	22	e7.0	e50	47	36	317	29	4.7	1.6	4.8
20	0.98	1.3	21	e6.8	51	105	31	166	24	4.4	1.2	3.8
21	0.95	1.6	17	7.0	155	148	28	115	20	3.7	0.96	3.6
22	1.0	1.7	e9.8	7.0	212	148	27	87	18	2.8	1.3	38
23	1.1	1.3	e9.0	6.9	114	91	30	67	17	3.3	3.5	95
24	1.3	1.2	e8.0	24	73	86	25	54	15	5.2	14	30
25	1.3	1.3	e7.0	119	62	90	35	47	12	3.8	23	16
26	1.1	1.9	e6.8	53	69	578	98	40	12	2.8	7.7	11
27	1.0	3.0	e5.4	42	164	1360	58	35	24	2.9	4.8	21
28	1.0	2.0	e5.0	37	103	391	186	31	43	3.0	3.5	230
29	1.2	2.6	e4.4	39	---	318	400	27	24	2.7	3.4	52
30	1.2	5.3	e4.2	e70	---	353	182	26	16	2.3	4.2	28
31	1.1	---	e3.9	e80	---	246	---	32	---	1.9	4.2	---
TOTAL	32.29	49.2	208.7	619.9	2630	5115	2566	4940	2565	155.3	96.76	621.16
MEAN	1.04	1.64	6.73	20.0	93.9	165	85.5	159	85.5	5.01	3.12	20.7
MAX	1.5	5.3	22	119	300	1360	400	918	1150	13	23	230
MIN	0.74	1.1	1.3	3.6	28	37	25	26	12	1.9	0.66	0.78
CFSM	0.02	0.03	0.11	0.33	1.57	2.76	1.43	2.67	1.43	0.08	0.05	0.35
IN.	0.02	0.03	0.13	0.39	1.64	3.19	1.60	3.08	1.60	0.10	0.06	0.39

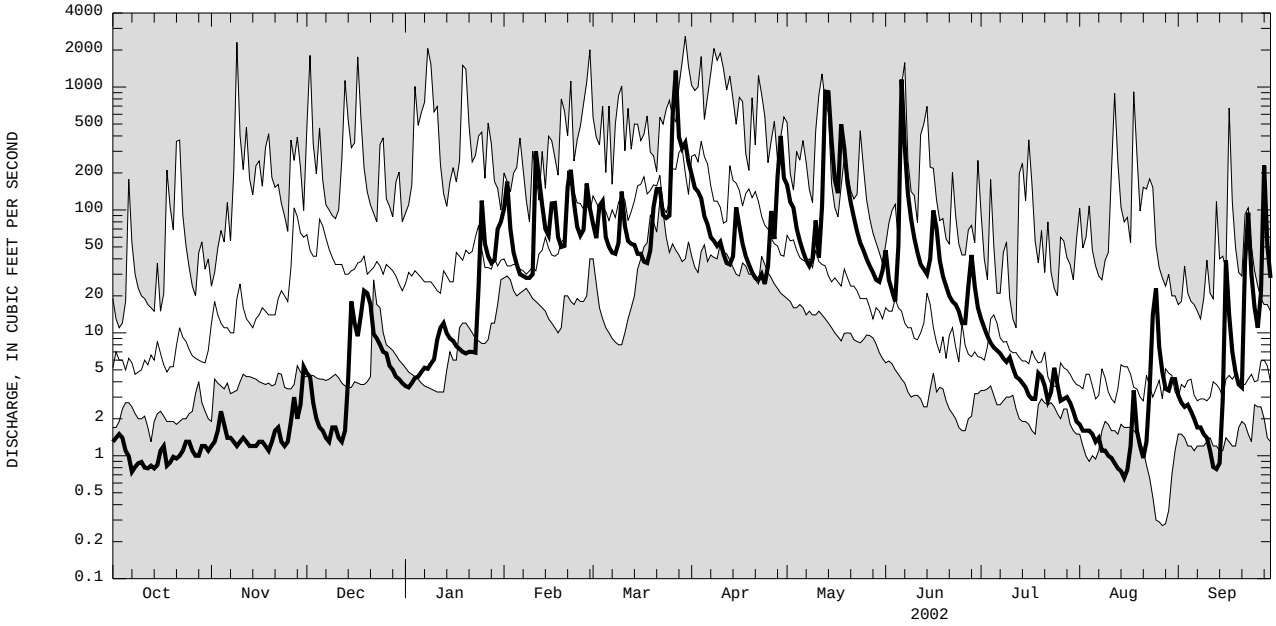
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	13.9	50.9	75.6	99.0	115	183	242	76.7	44.9	14.8	20.5	11.8
MAX	39.5	187	292	260	263	268	486	190	209	42.5	84.6	44.0
(WY)	1996	1997	1997	1998	2000	1994	1993	1996	2000	2000	2000	1999
MIN	1.04	1.64	6.73	20.0	24.2	81.3	57.9	13.4	3.37	3.19	1.36	1.67
(WY)	2002	2002	2002	2002	1995	1996	1995	1999	1999	1995	1995	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	23855.19		19599.31			
ANNUAL MEAN	65.4		53.7		77.6	
HIGHEST ANNUAL MEAN					122	2000
LOWEST ANNUAL MEAN					38.0	1995
HIGHEST DAILY MEAN	2060	Apr 8	1360	Mar 27	2600	Mar 30 1993
LOWEST DAILY MEAN	0.74	Oct 7	0.66	Aug 15	0.27	Aug 27 1995
ANNUAL SEVEN-DAY MINIMUM	0.82	Oct 7	0.82	Oct 7	0.37	Aug 23 1995
ANNUAL RUNOFF (CFSM)	1.09		0.90		1.30	
ANNUAL RUNOFF (INCHES)	14.86		12.21		17.66	
10 PERCENT EXCEEDS	128		118		189	
50 PERCENT EXCEEDS	12		9.8		22	
90 PERCENT EXCEEDS	1.2		1.1		2.6	

e Estimated

01349150 CANAJOHARIE CREEK NEAR CANAJOHARIE, NY--Continued
(National water-quality assessment program station)



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.

01349150 CANAJOHARIE CREEK NEAR CANAJOHARIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.
CHEMICAL DATA: 1993 (c), 1994-96 (e), 1997 (d), 1998-2000 (e), 2001-02 (d).
PESTICIDE DATA: 1993 (a), 1994 (d), 1995-00 (e), 2001 (d), 2002 (c).
ORGANIC DATA: OC--1993 (c), 1994-95 (e), 1996 (c), 1997 (b).
PCB--1993 (a).
PCN--1993 (a).
NUTRIENT DATA: 1993 (c), 1994-95 (e), 1996-97 (c), 1998-2002 (d).
BIOLOGICAL DATA:
Bacteria--1993 (a).
Benthic invertebrate--1993-95 (a).
Fish community--1993-95 (a).
Phytoplankton--1993 (a).
SEDIMENT DATA: 1993 (c), 1994-95 (e), 1996-97 (c), 1998-2002 (d).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: March 1993 to September 2000.
REMARKS.--A sampling method code of 10 indicates an equal-width increment sample, 70 indicates a grab sample.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 37.0°C, July 15, 1995; minimum, 0.0°C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT													
01...	0920	e1.3	70	749	9.5	90	7.8	1330	14.0	13.0	96	33.5	619
DEC													
03...	0930	2.8	70	757	11.1	85	7.8	1420	4.5	4.5	161	44.8	625
JAN													
02...	1045	3.6	70	755	16.6	114	7.5	1480	-1.0	.0	190	118	504
FEB													
05...	1030	e36	70	754	12.7	86	6.9	624	-7.0	.0	108	62.4	97.2
APR													
01...	1045	192	10	741	11.0	92	7.8	405	9.0	7.0	115	28.0	37.5
MAY													
02...	0900	106	10	737	11.4	94	7.8	422	9.5	8.5	127	28.9	44.0
JUN													
12...	0810	36	10	--	6.4	72	7.8	568	23.0	21.0	188	28.7	70.3
*12...	0811	36	10	--	6.4	72	7.8	568	23.0	21.0	165	28.4	70.3
JUL													
01...	1145	13	10	750	6.4	76	7.7	667	30.0	24.0	146	42.2	116
AUG													
06...	0850	1.3	70	751	--	--	7.8	1230	17.0	24.5	88	39.5	464

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)
OCT													
01...	<.04	.18	.29	<.05	<.006	E.005	<.02	.029	<.002	<.1	<.1	<.004	<.1
DEC													
03...	E.03	.13	.25	.10	<.008	E.004	<.02	.005	<.002	<.05	<.05	<.004	<.05
JAN													
02...	<.04	.22	.23	.57	<.008	E.004	<.02	.008	--	--	--	--	--
FEB													
05...	<.04	.23	.27	1.50	<.008	.009	<.02	.015	<.006	<.05	<.05	<.006	<.05
APR													
01...	<.04	.19	.22	1.31	<.008	.009	<.02	.030	<.006	<.05	<.05	<.006	<.05
MAY													
02...	<.04	.27	.28	.77	<.008	.006	<.02	.017	<.006	<.05	<.05	<.006	<.05
JUN													
12...	E.02	.24	.34	1.24	.016	.008	<.02	.024	<.006	<.05	<.05	<.006	<.05
*12...	E.03	.26	.32	1.32	.017	.008	<.02	.023	<.006	<.05	<.05	<.006	<.05
JUL													
01...	<.04	.34	.46	.44	.009	.013	<.02	.041	<.006	<.05	<.05	<.006	<.05
AUG													
06...	<.04	.28	.60	<.05	<.008	.008	<.02	.056	<.006	<.05	<.05	<.006	<.05

e Estimated daily
* Replicate
E Estimated

01349150 CANAJOHARIE CREEK NEAR CANAJOHARIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	ALA-CHLOR ESA WAT FLT GF 0.7U REC (UG/L) (50009)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)
OCT													
01...	<.1	<.002	<.005	.016	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.013	<.005
DEC													
03...	<.05	<.002	<.005	.013	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.007	<.005
JAN													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
05...	<.05	<.004	<.005	.016	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.018	<.005
APR													
01...	<.05	<.004	<.005	.012	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.013	<.005
MAY													
02...	<.05	<.004	<.005	.014	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.018	<.005
JUN													
12...	<.05	<.004	<.005	.121	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.028	<.005
*12...	<.05	<.004	<.005	.122	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.027	<.005
JUL													
01...	<.05	<.004	<.005	.165	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.049	<.005
AUG													
06...	<.05	<.004	<.005	.075	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.013	<.005

Date	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DIMETH-ENAMID OA, WATER FLT, REC (UG/L) (62482)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUFEN-ACET, ESA, WAT FLT (UG/L) (61952)	FLUFE-NACET OA, WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
OCT													
01...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
DEC													
03...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
JAN													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
05...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
APR													
01...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
MAY													
02...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
JUN													
12...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
*12...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
JUL													
01...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
AUG													
06...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027

Date	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT													
01...	<.050	<.006	.1	.1	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
DEC													
03...	<.050	<.006	.16	<.05	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
JAN													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
05...	<.050	<.006	.43	.14	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
APR													
01...	<.050	<.006	.49	.17	.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
MAY													
02...	<.050	<.006	.48	.14	E.010	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
JUN													
12...	<.050	<.006	.77	.18	.082	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
*12...	<.050	<.006	.76	.16	.077	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
JUL													
01...	<.050	<.006	.52	.14	.068	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
AUG													
06...	<.050	<.006	.54	.11	.015	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006

E Estimated
* Replicate

01349150 CANAJOHARIE CREEK NEAR CANAJOHARIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT													
01...	<.011	<.01	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
DEC													
03...	<.011	<.01	<.004	<.010	<.011	<.40	<.011	<.02	<.034	<.02	<.005	<.002	<.009
JAN													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
05...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
APR													
01...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MAY													
02...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
JUN													
12...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
*12...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
JUL													
01...	<.011	<.01	<.004	<.010	<.011	<.02	.006	<.02	<.034	<.02	<.005	<.002	<.009
AUG													
06...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009

Date	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT		
01...	95	15
DEC		
03...	97	7.0
JAN		
02...	89	3.0
FEB		
05...	96	4.0
APR		
01...	98	16
MAY		
02...	96	4.0
JUN		
12...	89	13
*12...	73	15
JUL		
01...	96	18
AUG		
06...	97	15

* Replicate

01349541 SUGARLOAF BROOK SOUTH OF TANNERSVILLE, NY

LOCATION.--Lat 42°08'42", long 74°07'24", Greene County, Hydrologic Unit 02020005, on left bank 140 ft upstream from bridge on Dale Lane, and 4.9 mi southeast of Tannersville.
DRAINAGE AREA.--1.12 mi^2.
PERIOD OF RECORD.--September 1999 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,940 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 455 ft^3/s, Sept. 16, 1999, gage height, 4.08 ft, from crest-stage gage, from rating curve extended above 50 ft^3/s on basis of runoff comparison of peak flows from nearby stations; minimum discharge, 0.01 ft^3/s, part or all of each day Sept. 8-10, 13, 18-20, 2001, Aug. 15-24, 26-29, Sept. 14-15, 2002; minimum gage height, 0.78 ft, Sept. 9, 10, 2001, Aug. 28, 29, 2002.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sept. 27	2300	a*116	*2.66	No other peak greater than base discharge.			

a From rating curve extended as explained above.

Minimum discharge, 0.01 ft^3/s, part or all of each day Aug. 15-24, 26-29, Sept. 14-15; minimum gage height, 0.78 ft, Aug. 28, 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.79	1.2	20	0.42	5.0	e0.56	10	5.1	1.4	0.53	0.05	0.09
2	0.65	1.2	6.6	0.37	5.3	0.58	5.9	5.3	0.98	0.45	0.06	0.07
3	0.54	1.1	3.7	0.34	3.1	12	6.1	5.4	0.82	0.38	0.09	0.06
4	0.46	1.0	2.7	0.32	2.3	6.2	6.1	3.9	0.72	0.34	0.05	0.18
5	0.44	1.0	2.0	0.31	1.6	e2.6	3.7	3.1	0.75	0.29	0.10	0.11
6	0.66	0.99	1.5	0.31	e1.3	e2.2	2.9	2.6	2.3	0.25	0.06	0.08
7	0.66	1.1	1.3	0.29	1.1	2.0	2.4	2.2	11	0.23	0.05	0.05
8	0.61	1.2	1.0	0.27	0.92	1.7	2.0	1.8	5.0	0.20	0.05	0.04
9	0.57	1.1	0.95	0.26	0.78	1.6	1.9	1.6	3.1	0.18	0.05	0.03
10	0.56	1.1	0.78	0.28	1.2	6.0	2.8	1.4	2.3	0.17	0.04	0.02
11	0.53	1.1	0.70	0.28	5.7	3.6	2.5	1.2	1.8	0.14	0.03	0.02
12	0.52	0.99	0.63	0.26	3.1	2.7	2.2	1.2	1.6	0.13	0.03	0.02
13	0.50	0.94	1.2	0.25	1.9	2.4	3.1	5.6	1.3	0.11	0.02	0.02
14	0.48	0.88	2.7	0.24	e1.5	2.2	11	12	1.6	0.10	0.02	0.02
15	1.0	0.86	4.7	0.23	1.3	1.9	19	6.0	3.5	0.09	0.02	0.03
16	0.50	0.82	3.2	0.22	1.2	2.5	8.6	3.8	9.2	0.09	0.02	1.4
17	0.48	0.78	2.8	0.22	1.1	2.5	5.4	3.0	4.3	0.07	0.02	0.50
18	0.45	0.69	5.8	0.21	0.90	2.1	4.1	4.2	3.2	0.07	0.01	0.32
19	0.42	0.67	4.0	0.20	0.78	1.8	3.6	4.1	9.1	0.58	0.01	0.24
20	0.42	0.66	3.1	0.20	0.79	1.7	3.3	3.6	4.2	0.26	0.01	0.20
21	0.39	0.63	2.4	0.20	1.1	1.4	2.7	3.0	3.0	0.14	0.01	0.18
22	0.37	0.59	1.8	0.19	1.1	1.2	2.5	2.6	6.5	0.11	0.01	0.88
23	0.38	0.55	1.5	0.19	0.90	1.1	2.2	2.2	5.5	0.18	0.01	0.81
24	1.2	0.52	1.8	0.45	0.78	0.96	1.8	1.9	3.3	0.14	0.03	0.57
25	1.8	0.90	1.4	0.76	0.73	0.84	2.0	1.6	2.3	0.11	0.05	0.44
26	1.6	1.6	1.1	0.59	0.74	2.0	2.0	1.4	1.8	0.10	0.02	0.39
27	1.5	1.5	0.89	0.55	0.83	20	1.7	1.2	1.3	0.10	0.01	16
28	1.3	1.4	0.79	0.70	e0.62	7.1	7.2	1.00	1.0	0.09	0.01	27
29	1.2	1.9	0.68	1.1	---	5.5	15	0.88	0.79	0.09	0.54	5.9
30	1.1	11	0.57	3.0	---	12	7.4	0.79	0.64	0.07	0.26	3.0
31	1.0	---	0.48	2.7	---	10	---	1.2	---	0.06	0.13	---
TOTAL	23.08	39.97	82.77	15.91	47.67	120.94	151.1	94.87	94.30	5.85	1.87	58.67
MEAN	0.74	1.33	2.67	0.51	1.70	3.90	5.04	3.06	3.14	0.19	0.060	1.96
MAX	1.8	11	20	3.0	5.7	20	19	12	11	0.58	0.54	27
MIN	0.37	0.52	0.48	0.19	0.62	0.56	1.7	0.79	0.64	0.06	0.01	0.02
CFSM	0.66	1.19	2.38	0.46	1.52	3.48	4.50	2.73	2.81	0.17	0.05	1.75
IN.	0.77	1.33	2.75	0.53	1.58	4.02	5.02	3.15	3.13	0.19	0.06	1.95

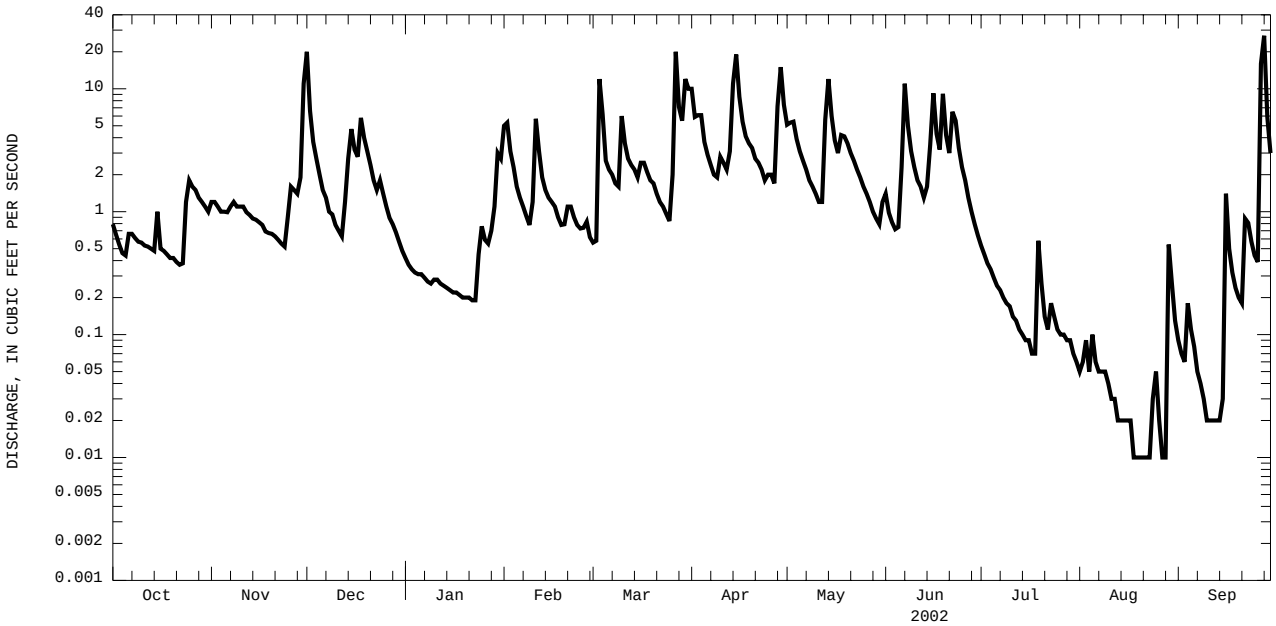
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	1.76	2.77	3.45	0.73	1.91	3.78	7.89	4.56	4.24	1.19	0.73	1.85
MAX	2.58	4.78	5.33	1.26	3.16	6.34	13.2	5.80	5.88	3.11	2.07	2.55
(WY)	2000	2000	2001	2000	2000	2000	2001	2000	2000	2000	2000	2000
MIN	0.74	1.33	2.36	0.42	0.83	1.10	5.04	3.06	3.14	0.19	0.060	1.05
(WY)	2002	2002	2000	2001	2001	2001	2002	2002	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	915.37		737.00			
ANNUAL MEAN	2.51		2.02		2.90	
HIGHEST ANNUAL MEAN					3.77	2000
LOWEST ANNUAL MEAN					2.02	2002
HIGHEST DAILY MEAN	52	Apr 13	27	Sep 28	124	Sep 16 1999
LOWEST DAILY MEAN	0.01	Sep 9	0.01	Aug 18	0.01	Sep 9 2001
ANNUAL SEVEN-DAY MINIMUM	0.03	Sep 3	0.01	Aug 17	0.01	Aug 17 2002
ANNUAL RUNOFF (CFSM)	2.24		1.80		2.59	
ANNUAL RUNOFF (INCHES)	30.40		24.48		35.16	
10 PERCENT EXCEEDS	5.2		5.3		6.2	
50 PERCENT EXCEEDS	0.72		0.99		1.2	
90 PERCENT EXCEEDS	0.07		0.06		0.11	

e Estimated

01349541 SUGARLOAF BROOK SOUTH OF TANNERSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01349700 EAST KILL NEAR JEWETT CENTER, NY

LOCATION.--Lat 42°14'57", long 74°18'11", Greene County, Hydrologic Unit 02020005, on right bank 6 ft downstream from bridge on Mill Hollow Road, and 1.3 mi northeast of Jewett Center.
DRAINAGE AREA.--35.6 mi^2.
PERIOD OF RECORD.--Occassional low-flow and/or miscellaneous discharge measurements, water years 1951, 1955-61, 1964, 1987, and annual maximum, water years 1965-74, 1987, 1996. December 1996 to current year.
REVISED RECORDS.--WDR NY-99-1: 1996-97(M), 1998.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,452.26 ft above NGVD of 1929. Prior to December 1996, crest-stage gage at same site at datum 1456.76 ft above NGVD of 1929.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft^3/s, Jan. 19, 1996, gage height, 17.00 ft, present datum, from floodmark, from rating curve extended above 1,000 ft^3/s on basis of contracted-opening measurements at gage heights 14.90 ft and 15.68 ft, present datum; minimum discharge (since December 1996), 0.84 ft^3/s, Aug. 13, 1997; minimum gage height, 4.11 ft, Aug. 30, 31, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)!
Mar. 27	0245	*603	*6.92				

Minimum discharge, 0.86 ft^3/s, Aug. 21, 22; minimum gage height, 4.23 ft, Oct. 13, 14, 22, 23, Nov. 19, 23, 24, 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	5.6	44	e14	124	e34	146	125	70	14	2.0	e9.0
2	8.0	5.4	29	e13	137	34	114	112	52	13	6.0	e7.0
3	7.1	5.4	24	e13	93	135	104	99	42	12	e12	e6.6
4	6.4	5.2	21	e13	78	113	104	80	37	11	e8.0	e15
5	5.9	5.5	19	14	62	e68	85	70	39	9.9	e13	e9.6
6	5.7	5.6	18	14	58	e64	75	62	99	9.2	e9.8	e8.4
7	5.5	5.4	17	14	53	60	65	57	266	8.2	e7.0	e11
8	5.2	5.3	16	e14	49	56	60	52	123	7.5	e5.4	e8.6
9	5.1	5.2	16	e15	44	54	58	48	86	7.7	e4.7	e7.0
10	5.0	5.1	16	e15	45	187	75	48	68	7.7	e4.0	e5.6
11	4.7	5.1	15	17	192	112	60	41	55	6.6	e3.6	e4.6
12	4.7	4.8	15	16	105	90	53	41	60	5.8	e3.1	4.0
13	4.6	4.7	16	16	80	80	51	111	62	5.4	2.8	3.0
14	4.3	4.7	19	16	e60	73	64	165	57	5.3	3.2	2.5
15	5.3	4.7	36	15	e58	65	118	103	72	6.2	2.9	2.5
16	5.3	4.6	30	15	58	78	96	78	90	6.0	2.1	5.0
17	5.2	4.6	28	15	56	74	77	69	83	5.3	1.9	4.5
18	4.9	4.4	76	14	50	66	68	122	65	4.7	1.7	3.6
19	4.6	4.4	65	e13	e42	63	70	141	53	7.6	1.4	3.6
20	4.6	4.7	51	e13	44	66	70	112	44	13	1.3	3.6
21	4.5	4.6	43	e12	53	69	62	90	38	6.0	1.1	3.6
22	4.4	4.4	37	13	53	75	56	79	34	5.2	1.0	10
23	4.5	4.4	33	13	47	62	55	70	40	7.3	1.2	7.7
24	9.2	4.4	38	19	41	59	48	64	33	8.3	3.7	4.9
25	8.6	4.7	36	38	39	57	51	59	27	5.6	6.3	3.7
26	7.1	5.5	29	33	38	64	67	54	24	4.6	2.9	3.3
27	6.6	5.5	23	32	45	371	55	50	21	4.2	1.8	13
28	6.2	5.4	e21	36	e38	165	92	45	18	3.8	1.2	35
29	6.1	5.7	e19	49	---	137	183	42	16	3.9	16	17
30	5.8	8.0	e17	98	---	175	127	45	14	3.1	26	12
31	5.6	---	e15	86	---	154	---	83	---	2.4	16	---
TOTAL	179.9	153.0	882	718	1842	2960	2409	2417	1788	220.5	173.1	234.9
MEAN	5.80	5.10	28.5	23.2	65.8	95.5	80.3	78.0	59.6	7.11	5.58	7.83
MAX	9.2	8.0	76	98	192	371	183	165	266	14	26	35
MIN	4.3	4.4	15	12	38	34	48	41	14	2.4	1.0	2.5
CFSM	0.16	0.14	0.80	0.65	1.85	2.68	2.26	2.19	1.67	0.20	0.16	0.22
IN.	0.19	0.16	0.92	0.75	1.92	3.09	2.52	2.53	1.87	0.23	0.18	0.25

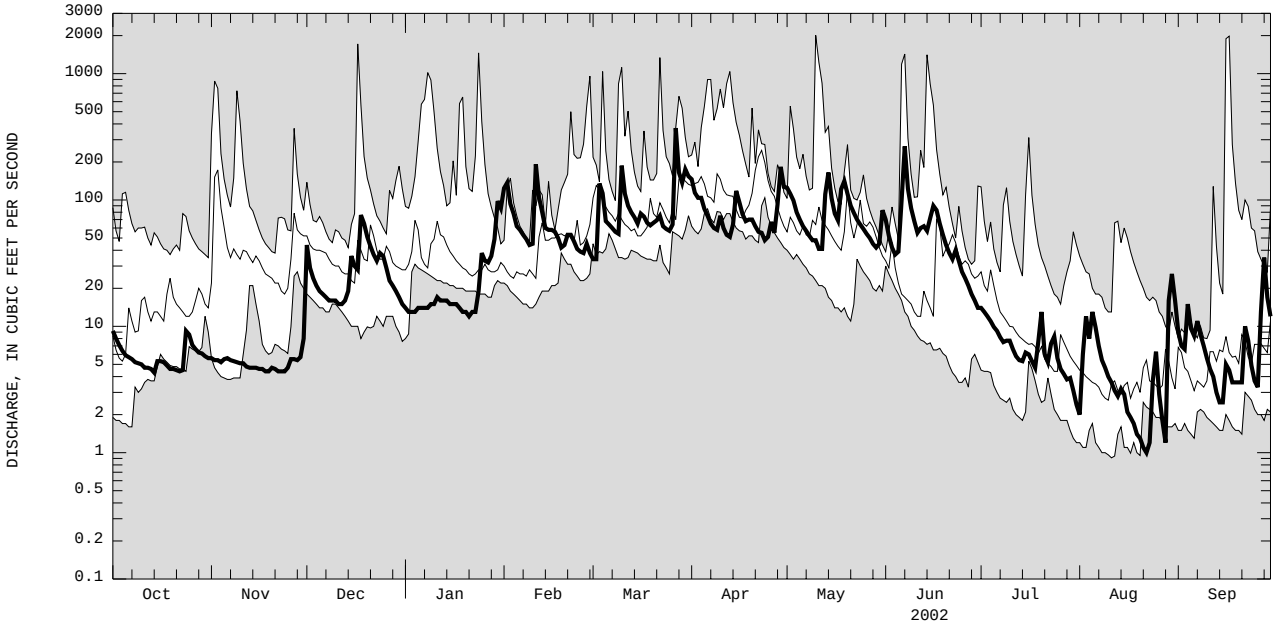
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

MEAN	18.5	59.5	50.9	80.5	69.4	130	154	100	72.4	16.9	7.49	34.5
MAX	56.3	158	117	181	111	212	264	240	168	38.3	25.5	167
(WY)	2000	1998	2001	1998	2000	1998	2001	1998	2000	2000	2000	1999
MIN	5.80	5.10	12.0	23.2	49.6	51.5	79.7	35.5	9.98	2.79	2.84	1.90
(WY)	2002	2002	1999	2002	2001	2001	1999	2001	1999	1997	1998	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	15919.5		13977.4			
ANNUAL MEAN	43.6		38.3		68.3	
HIGHEST ANNUAL MEAN					102	1998
LOWEST ANNUAL MEAN					38.3	2002
HIGHEST DAILY MEAN	1040	Apr 13	371	Mar 27	2010	May 10 1998
LOWEST DAILY MEAN	2.9	Aug 30	1.0	Aug 22	0.91	Aug 11 1997
ANNUAL SEVEN-DAY MINIMUM	3.1	Aug 25	1.4	Aug 17	1.0	Aug 6 1997
ANNUAL RUNOFF (CFSM)	1.23		1.08		1.92	
ANNUAL RUNOFF (INCHES)	16.63		14.61		26.09	
10 PERCENT EXCEEDS	72		91		128	
50 PERCENT EXCEEDS	19		17		31	
90 PERCENT EXCEEDS	4.4		4.4		4.2	

e Estimated

01349700 EAST KILL NEAR JEWETT CENTER, NY--Continued



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.

01349705 SCHOHARIE CREEK NEAR LEXINGTON, NY

LOCATION.--Lat 42°14'13", long 74°20'26", Greene County, Hydrologic Unit 02020005, on left bank 0.2 mi downstream from bridge on Bush Road, and 1.2 mi east of Lexington.
DRAINAGE AREA.--96.8 mi^2.
PERIOD OF RECORD.--August 1999 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,340 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,000 ft^3/s, Sept. 16, 1999, gage height, about 16.5 ft, from reconstructed graph; outside gage height was 18.10 ft, from floodmark, from rating curve extended above 5,000 ft^3/s on basis of runoff comparison of peak flows from nearby stations and step-backwater analysis of peak flow; minimum discharge, 4.8 ft^3/s, Aug. 21, 22, 2002; minimum gage height, 1.62 ft, Sept. 6, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0400	*2,240	*4.91				

Minimum discharge, 4.8 ft^3/s, Aug. 21, 22, gage height, 1.78 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	26	307	e38	310	e78	514	420	231	40	13	22
2	38	24	158	e36	388	e80	399	380	160	37	15	21
3	34	24	112	e37	244	524	353	352	127	34	24	17
4	30	23	92	e38	209	381	362	279	110	30	19	38
5	28	24	81	e40	e150	e210	282	242	115	30	27	30
6	27	24	73	e48	e140	e190	245	211	296	25	24	22
7	25	23	65	e50	e130	174	210	192	803	23	18	24
8	24	22	55	e52	e120	157	192	172	406	21	15	22
9	23	22	e52	e52	109	152	183	155	271	21	13	20
10	22	19	e50	55	107	588	233	150	210	22	12	17
11	21	21	e48	58	545	356	193	126	171	19	10	13
12	21	18	49	54	274	268	172	124	161	17	9.5	12
13	20	19	56	49	208	232	168	327	155	16	9.4	10
14	19	18	75	46	156	210	273	555	143	16	8.6	9.3
15	24	19	130	45	e150	188	526	345	216	15	8.3	9.5
16	26	20	93	43	e140	227	386	251	288	13	7.1	18
17	25	19	91	42	e130	213	294	213	237	13	6.9	25
18	23	19	236	e30	e110	191	274	369	186	12	6.4	20
19	22	19	205	e30	110	177	248	437	179	31	6.0	17
20	21	19	160	e32	e100	183	236	335	146	101	5.8	15
21	21	19	124	e33	126	191	209	268	115	37	5.5	14
22	21	21	99	e35	126	204	185	234	105	25	5.2	23
23	22	19	e94	38	107	166	179	207	168	28	6.0	23
24	36	15	e90	62	e90	155	155	192	117	31	8.4	20
25	32	18	e84	136	94	150	160	180	87	23	12	17
26	30	24	e72	102	91	168	209	161	75	20	9.0	15
27	29	21	e64	93	105	1450	167	144	65	19	7.1	38
28	27	24	e58	96	e84	600	317	159	56	19	5.8	432
29	27	25	e52	120	---	467	691	134	49	19	33	e150
30	26	34	e46	234	---	599	446	137	44	16	60	e80
31	25	---	e42	223	---	548	---	235	---	14	28	---
TOTAL	812	642	3013	2047	4653	9477	8461	7686	5492	787	438.0	1193.8
MEAN	26.2	21.4	97.2	66.0	166	306	282	248	183	25.4	14.1	39.8
MAX	43	34	307	234	545	1450	691	555	803	101	60	432
MIN	19	15	42	30	84	78	155	124	44	12	5.2	9.3
CFSM	0.27	0.22	1.00	0.68	1.72	3.16	2.91	2.56	1.89	0.26	0.15	0.41
IN.	0.31	0.25	1.16	0.79	1.79	3.64	3.25	2.95	2.11	0.30	0.17	0.46

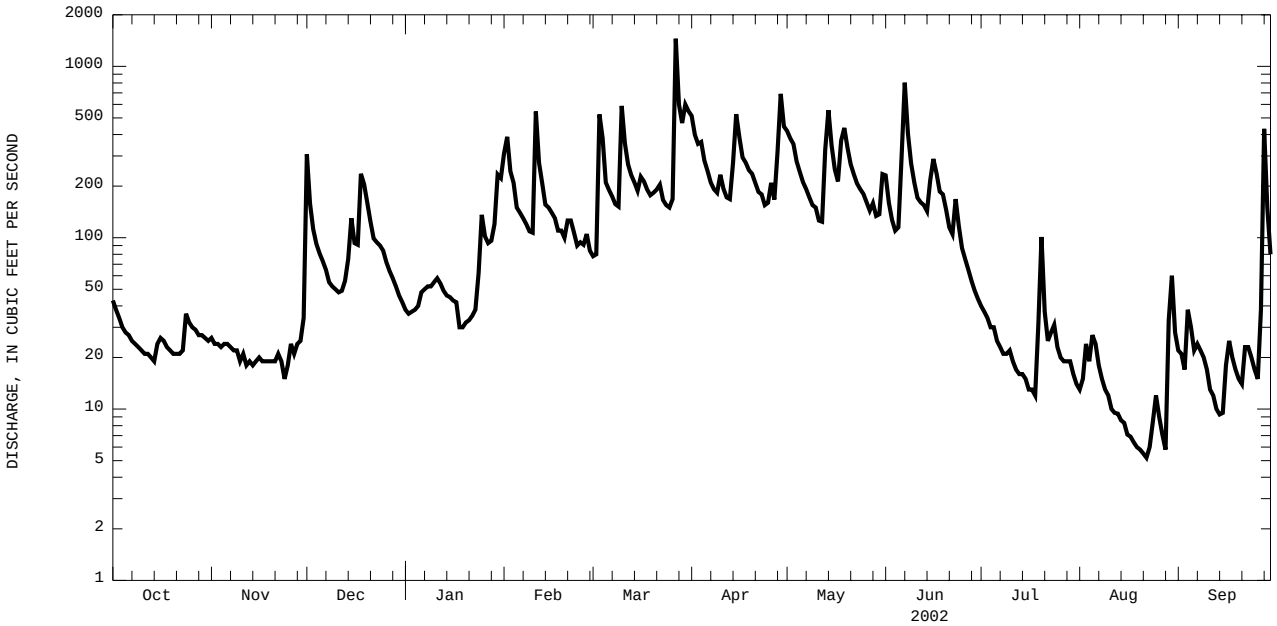
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	85.5	145	187	77.9	222	321	513	225	301	72.2	39.8	162
MAX	180	336	303	102	345	512	861	285	560	156	89.6	508
(WY)	2000	2000	2001	2000	2000	2000	2001	2000	2000	2000	2000	1999
MIN	26.2	21.4	97.2	65.7	151	144	282	142	160	25.4	14.1	39.8
(WY)	2002	2002	2002	2001	2001	2001	2002	2001	2001	2002	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	53163.0		44691.8			
ANNUAL MEAN	146		122		185	
HIGHEST ANNUAL MEAN					263	2000
LOWEST ANNUAL MEAN					122	2002
HIGHEST DAILY MEAN	3520	Apr 13	1450	Mar 27	6870	Sep 17 1999
LOWEST DAILY MEAN	8.4	Sep 9	5.2	Aug 22	5.2	Aug 22 2002
ANNUAL SEVEN-DAY MINIMUM	9.6	Aug 25	6.0	Aug 17	6.0	Aug 17 2002
ANNUAL RUNOFF (CFSM)	1.50		1.26		1.91	
ANNUAL RUNOFF (INCHES)	20.43		17.17		26.01	
10 PERCENT EXCEEDS	264		290		364	
50 PERCENT EXCEEDS	61		58		96	
90 PERCENT EXCEEDS	16		15		19	

e Estimated

01349705 SCHOHARIE CREEK NEAR LEXINGTON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01349711 WEST KILL BELOW HUNTER BROOK NEAR SPRUCETON, NY

LOCATION.--Lat 42°11'06", long 74°16'38", Greene County, Hydrologic Unit 02020005, on left bank 6 ft upstream from bridge on Spruceton Road, and 6.4 mi east of West Kill.
DRAINAGE AREA.--4.97 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,070 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those above 60 ft^3/s, which are fair, and those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080 ft^3/s, Sept. 16, 1999, gage height, 4.32 ft, from rating curve extended above 300 ft^3/s; minimum discharge, 0.45 ft^3/s, Sept. 19, 20-21, 22, 30, Oct. 1, 2, 3-6, 7, 8, 1998, Aug. 18, 19, 20, 25, 26, 1999; minimum gage height, 0.57 ft, Sept. 9, 10, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 10	0300	*65	*1.82				

Minimum discharge, 0.57 ft^3/s, Aug. 21, 22, 28, 29, gage height, 0.58 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	4.4	24	4.7	17	5.1	29	e23	13	3.4	0.97	0.80
2	6.7	4.2	21	e4.4	21	4.9	25	24	13	3.2	e1.7	0.75
3	6.0	4.2	15	4.3	19	14	24	22	12	2.9	e1.5	0.70
4	5.3	4.0	12	4.2	16	14	23	20	11	2.7	e1.2	3.0
5	4.9	4.0	11	4.0	13	13	20	18	11	2.5	e1.1	1.1
6	4.8	3.8	9.5	3.8	11	e12	18	15	15	2.4	e1.0	0.89
7	4.4	3.7	8.4	4.0	10	e11	15	14	28	2.2	0.93	0.83
8	3.9	3.6	7.4	3.6	9.1	11	14	12	29	2.1	0.88	0.78
9	3.7	3.5	6.9	3.5	8.0	10	13	11	24	2.1	0.85	0.73
10	3.5	3.3	6.1	3.5	8.2	38	15	10	19	2.0	0.83	0.71
11	3.3	3.3	5.7	3.3	12	25	14	9.1	16	1.8	0.78	0.68
12	3.2	3.0	5.3	3.1	9.7	21	12	9.0	14	1.7	0.75	0.65
13	3.1	2.9	5.8	3.0	8.8	18	13	13	12	1.6	0.73	0.64
14	3.0	2.9	6.7	2.8	e8.4	15	21	20	11	1.6	0.69	0.61
15	4.7	2.9	7.5	2.8	e8.0	14	33	19	e12	1.5	e0.69	0.67
16	3.8	2.8	7.5	2.7	e7.8	15	28	18	e15	1.4	e0.68	1.2
17	4.0	2.6	8.3	2.6	7.7	14	25	16	e14	1.3	e0.67	0.81
18	3.7	2.6	13	2.4	6.9	13	24	17	e12	1.3	e0.65	0.71
19	3.7	2.5	12	e2.3	6.4	12	22	15	9.3	2.5	e0.63	0.65
20	3.7	2.7	13	e2.2	6.3	11	20	14	8.8	1.8	0.64	0.63
21	3.6	2.5	11	e2.2	7.2	11	17	13	8.3	1.4	0.61	0.61
22	3.6	2.5	10	2.2	6.7	9.9	15	13	7.6	1.3	0.60	0.88
23	3.7	2.4	9.6	2.3	6.1	9.1	14	13	7.1	2.0	0.64	0.73
24	5.2	2.4	9.7	3.2	5.8	8.4	12	14	6.4	1.6	0.86	0.65
25	4.7	2.8	8.4	3.4	5.6	7.8	12	13	5.7	1.3	0.82	0.61
26	4.8	3.4	7.6	2.9	5.7	9.7	11	12	5.2	1.2	0.67	0.62
27	4.8	3.2	6.9	2.9	6.1	23	9.8	12	4.9	1.2	0.63	3.9
28	4.8	3.3	e6.2	3.1	5.4	22	15	11	4.6	1.2	0.59	9.3
29	4.8	3.8	e5.6	3.8	---	23	e27	11	4.1	1.2	2.5	5.9
30	4.7	8.0	e5.4	8.3	---	26	e25	12	3.7	1.1	1.4	4.5
31	4.4	---	5.0	11	---	28	---	13	---	0.97	0.89	---
TOTAL	135.9	101.2	291.5	112.5	262.9	468.9	565.8	456.1	356.7	56.47	28.08	45.24
MEAN	4.38	3.37	9.40	3.63	9.39	15.1	18.9	14.7	11.9	1.82	0.91	1.51
MAX	7.4	8.0	24	11	21	38	33	24	29	3.4	2.5	9.3
MIN	3.0	2.4	5.0	2.2	5.4	4.9	9.8	9.0	3.7	0.97	0.59	0.61
CFSM	0.88	0.68	1.89	0.73	1.89	3.04	3.79	2.96	2.39	0.37	0.18	0.30
IN.	1.02	0.76	2.18	0.84	1.97	3.51	4.23	3.41	2.67	0.42	0.21	0.34

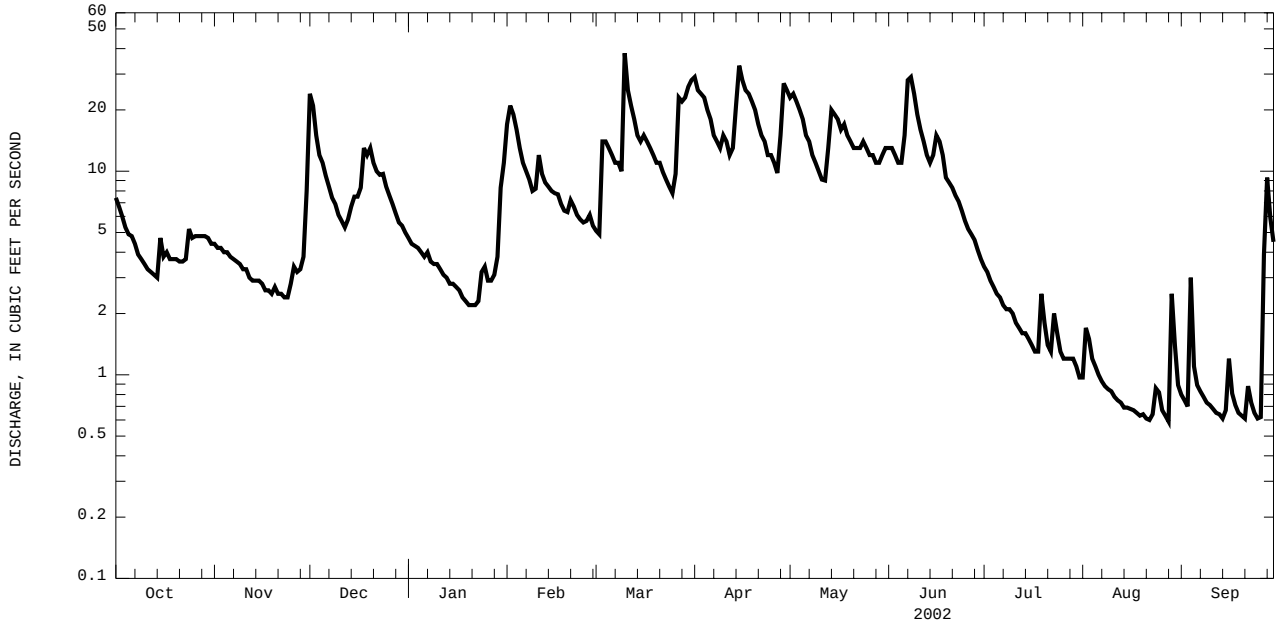
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	6.50	10.8	10.1	13.7	9.71	20.0	28.6	19.6	17.1	5.79	2.36	9.70
MAX	12.0	20.2	20.4	28.3	14.8	29.1	56.9	37.6	29.7	10.2	7.95	34.4
(WY)	2000	1998	2001	1998	1999	2000	2001	1998	1998	1998	2000	1999
MIN	3.60	3.37	4.45	3.63	5.75	4.55	17.4	11.2	4.36	1.82	0.88	0.60
(WY)	1998	2002	1999	2002	1998	2001	1999	2001	1999	2002	1999	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	3648.38		2881.29			
ANNUAL MEAN	10.0		7.89		12.8	
HIGHEST ANNUAL MEAN					16.4	1998
LOWEST ANNUAL MEAN					7.89	2002
HIGHEST DAILY MEAN	229	Apr 13	38	Mar 10	360	Sep 16 1999
LOWEST DAILY MEAN	0.52	Sep 9	0.59	Aug 28	0.45	Sep 20 1998
ANNUAL SEVEN-DAY MINIMUM	0.61	Sep 3	0.63	Aug 17	0.46	Oct 1 1998
ANNUAL RUNOFF (CFSM)	2.01		1.59		2.58	
ANNUAL RUNOFF (INCHES)	27.31		21.57		35.03	
10 PERCENT EXCEEDS	17		18		26	
50 PERCENT EXCEEDS	4.7		5.2		6.9	
90 PERCENT EXCEEDS	0.96		0.82		1.2	

e Estimated

01349711 WEST KILL BELOW HUNTER BROOK NEAR SPRUCETON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01349810 WEST KILL NEAR WEST KILL, NY

LOCATION.--Lat 42°13'49", long 74°23'36", Greene County, Hydrologic Unit 02020005, on right bank about 400 ft upstream from Beech Ridge Brook, 0.3 mi upstream from State Highway 42 bridge, and 1.4 mi north of West Kill.
DRAINAGE AREA.--27.0 mi^2.
PERIOD OF RECORD.--Occassional miscellaneous discharge measurements, water years 1953, 1956, 1987, and 1996. Annual maximum gage heights only, water years 1965-69. October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,440 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,330 ft^3/s, Sept. 16, 1999, gage height, 10.86 ft, from rating curve extended above 1,380 ft^3/s on basis of contracted-opening measurements at gage heights 10.86 ft and 11.06 ft; minimum discharge, 1.3 ft^3/s, Aug. 19, 21, 22, 23, 24, 2002, gage height, 0.81 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 6,500 ft^3/s, Jan. 19, 1996, gage height, 11.06 ft, from floodmarks, on basis of contracted-opening measurement of peak flow.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum(*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0100	*413	*2.63				

Minimum discharge, 1.3 ft^3/s, Aug. 19, 21, 22, 23, 24, gage height, 0.81 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	11	64	e21	118	26	139	123	51	13	2.9	3.5
2	16	11	55	e19	126	25	117	113	46	12	3.4	2.9
3	14	11	45	e18	102	67	106	97	41	11	3.8	2.6
4	12	10	39	e17	83	58	97	83	37	9.7	3.2	12
5	11	10	34	16	e67	e54	82	74	38	8.6	3.7	7.5
6	10	9.9	32	16	61	e52	72	67	78	8.1	3.6	5.0
7	9.6	9.6	29	18	54	51	63	61	168	7.6	3.0	3.8
8	8.6	9.1	26	e16	49	48	58	55	137	6.9	2.7	3.1
9	7.5	8.8	25	16	42	46	55	51	105	6.8	2.5	2.7
10	7.0	8.3	22	15	42	142	63	47	81	6.7	2.4	2.5
11	6.8	8.1	20	16	86	98	55	41	66	5.8	2.2	2.3
12	6.7	7.2	20	14	e70	83	51	42	64	5.5	2.1	2.2
13	6.4	6.8	21	13	53	75	51	76	57	5.3	1.9	2.0
14	6.2	6.6	26	13	e48	68	65	100	55	4.9	1.8	2.0
15	9.1	6.4	36	12	45	62	98	92	54	4.6	1.7	2.0
16	8.9	6.4	32	12	43	69	84	81	66	4.3	1.6	2.7
17	8.9	6.2	35	12	41	64	77	75	61	3.9	1.6	2.9
18	8.2	5.9	72	e11	e36	62	82	104	59	3.7	1.5	2.7
19	7.7	5.7	63	e11	e35	59	74	98	52	4.1	1.5	2.5
20	7.5	6.2	61	e11	34	59	69	85	47	5.8	1.5	2.2
21	7.2	5.9	55	e10	37	e56	63	77	42	4.5	1.4	2.1
22	6.8	5.7	49	10	35	e52	58	74	38	3.8	1.4	4.7
23	7.1	5.4	45	11	34	51	53	70	36	5.3	1.4	3.9
24	21	5.4	e40	21	e29	49	48	67	31	6.1	1.6	3.2
25	16	5.9	e36	36	e29	46	49	63	27	4.7	1.9	2.8
26	14	8.0	e32	28	29	53	49	58	24	4.0	1.9	2.6
27	13	7.8	e30	28	32	194	42	53	20	3.8	1.7	7.9
28	13	7.6	e29	31	29	116	75	50	18	3.9	1.6	43
29	12	8.3	e27	39	---	108	136	46	16	4.0	5.2	23
30	12	15	e25	74	---	122	129	47	14	3.5	6.9	16
31	12	---	e23	84	---	131	---	56	---	3.1	4.7	---
TOTAL	324.2	239.2	1148	669	1489	2246	2260	2226	1629	185.0	78.3	178.3
MEAN	10.5	7.97	37.0	21.6	53.2	72.5	75.3	71.8	54.3	5.97	2.53	5.94
MAX	21	15	72	84	126	194	139	123	168	13	6.9	43
MIN	6.2	5.4	20	10	29	25	42	41	14	3.1	1.4	2.0
CFSM	0.39	0.30	1.37	0.80	1.97	2.68	2.79	2.66	2.01	0.22	0.09	0.22
IN.	0.45	0.33	1.58	0.92	2.05	3.09	3.11	3.07	2.24	0.25	0.11	0.25

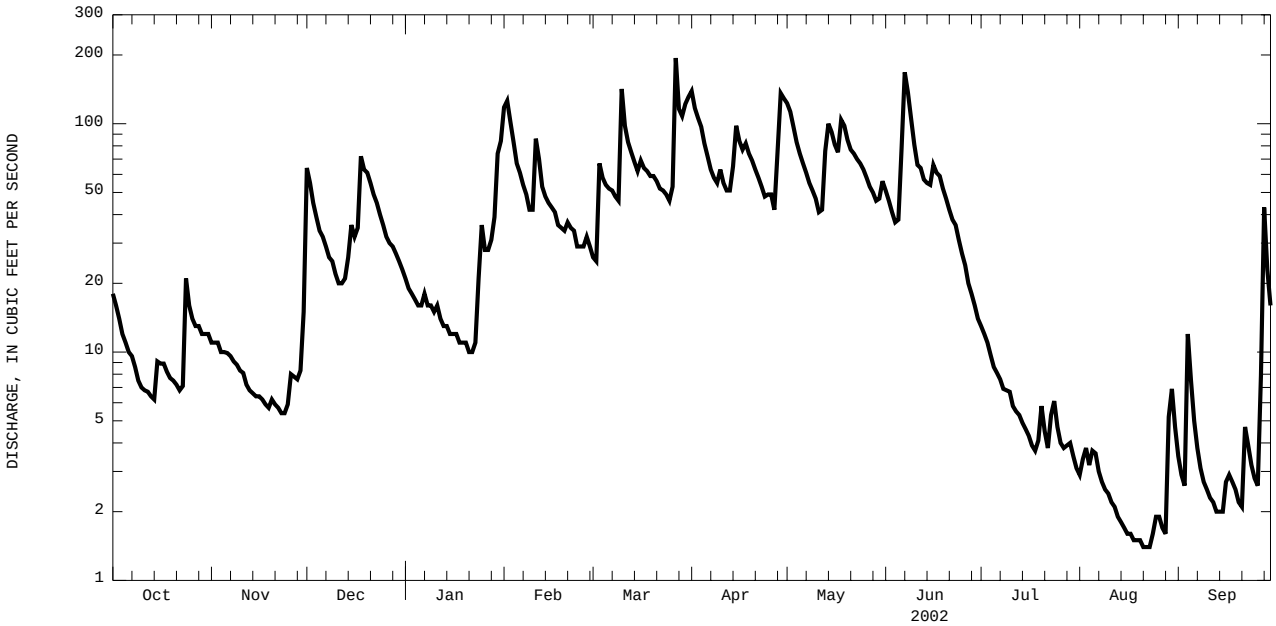
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	23.2	44.1	48.5	68.9	55.3	102	129	79.4	73.1	27.3	7.65	37.3
MAX	55.1	89.4	98.8	139	80.2	161	252	155	129	49.1	24.5	144
(WY)	2000	2000	2001	1999	2000	1998	2001	1998	2000	1998	2000	1999
MIN	8.46	7.97	17.2	18.3	43.9	30.4	75.3	33.6	14.3	5.97	2.53	2.41
(WY)	1998	2002	1999	2001	1998	2001	2002	2001	1999	2002	2002	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	15080.7		12672.0			
ANNUAL MEAN	41.3		34.7		57.9	
HIGHEST ANNUAL MEAN					76.6	1998
LOWEST ANNUAL MEAN					34.7	2002
HIGHEST DAILY MEAN	940	Apr 13	194	Mar 27	1450	Sep 17 1999
LOWEST DAILY MEAN	1.7	Aug 30	1.4	Aug 21	1.4	Aug 21 2002
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 25	1.5	Aug 17	1.5	Aug 17 2002
ANNUAL RUNOFF (CFSM)	1.53		1.29		2.14	
ANNUAL RUNOFF (INCHES)	20.78		17.46		29.13	
10 PERCENT EXCEEDS	66		81		118	
50 PERCENT EXCEEDS	18		22		32	
90 PERCENT EXCEEDS	3.0		2.9		3.8	

e Estimated

01349810 WEST KILL NEAR WEST KILL, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01349840 BATAVIA KILL NEAR MAPLECREST, NY

LOCATION.--Lat 42°17'22", long 74°06'59", Greene County, Hydrologic Unit 02020005, on left bank off County Route 56, 4.1 mi northeast of Maplecrest.
DRAINAGE AREA.--2.03 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,160 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those above 150 ft^3/s and those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 800 ft^3/s, Sept. 16, 1999, gage height, 6.12 ft, from rating curve extended above 80 ft^3/s on basis of step-backwater analysis of peak flow; minimum discharge, 0.14 ft^3/s, Sept. 20, 21, 2002; minimum gage height, 1.05 ft, Aug. 31, 2001.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 600 ft^3/s, Jan. 19, 1996, gage height, about 6.0 ft, from floodmark, from rating curve extended as explained above.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 70 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 10	0230	*29	*2.49				

Minimum discharge, 0.14 ft^3/s, Sept. 20, 21; minimum gage height, 1.06 ft, Aug. 19, 21, 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.1	2.9	e1.7	7.4	2.6	12	7.3	6.5	2.0	0.56	0.26
2	1.5	1.0	3.0	e1.6	e7.6	2.3	10	7.4	5.9	1.8	0.60	0.26
3	1.3	0.99	2.8	e1.5	e6.4	5.3	11	7.1	5.4	1.7	0.55	0.24
4	1.2	0.92	2.5	e1.4	e5.4	e9.0	10	6.6	5.0	1.5	0.50	0.27
5	1.1	0.92	2.3	e1.4	e4.8	e6.0	9.0	6.2	4.9	1.4	0.67	0.21
6	1.1	0.89	2.1	e1.3	e4.5	4.1	8.0	5.8	7.3	1.3	0.51	0.20
7	1.1	0.87	1.9	e1.3	e4.2	3.9	7.1	5.4	12	1.2	0.48	0.18
8	0.98	0.84	1.7	1.3	e4.0	3.7	6.4	5.0	11	1.1	0.46	0.17
9	0.95	0.88	1.7	1.3	3.8	3.7	6.1	4.7	9.5	1.2	0.44	0.16
10	0.91	0.86	1.5	1.3	4.3	14	6.4	4.3	8.4	1.1	0.42	0.16
11	0.86	0.81	1.4	1.2	6.7	9.0	5.9	3.9	7.2	0.97	0.41	0.16
12	0.79	0.78	1.4	1.1	e5.2	8.0	5.5	4.1	7.3	0.91	0.39	0.16
13	0.77	0.76	1.5	1.1	e4.5	7.3	5.4	5.6	6.2	0.85	0.37	0.16
14	0.77	0.74	1.9	1.0	e4.3	6.5	5.9	6.9	6.7	0.80	0.36	0.15
15	1.1	0.73	2.2	1.00	4.1	6.0	9.0	6.8	7.8	0.75	0.35	0.17
16	0.98	0.71	2.0	0.95	3.9	6.4	8.5	6.5	8.2	0.69	0.34	0.27
17	1.0	0.68	2.2	0.92	3.7	5.7	7.8	6.3	8.2	0.66	0.34	0.18
18	0.93	0.67	4.6	0.88	3.4	5.6	7.2	7.3	7.8	0.63	0.32	0.16
19	0.91	0.66	4.0	0.86	3.1	5.1	7.0	7.0	7.1	2.3	0.31	0.15
20	0.90	0.67	3.8	0.82	3.1	4.8	6.6	6.8	6.4	1.1	0.32	0.15
21	0.87	0.63	3.6	0.82	3.5	4.8	6.1	7.0	5.7	0.84	0.30	0.15
22	0.84	0.62	3.2	0.78	3.2	e4.2	5.7	7.2	5.5	0.76	0.30	0.27
23	0.89	0.59	e2.9	0.84	3.0	e3.7	5.3	7.6	4.9	0.92	0.36	0.18
24	1.3	0.59	e2.7	1.2	2.8	e3.2	4.9	7.7	4.2	0.78	0.42	0.17
25	1.2	0.68	e2.5	1.3	2.8	e2.9	4.8	7.2	3.7	0.70	0.37	0.17
26	1.2	0.72	e2.4	1.2	2.8	4.4	4.5	6.7	3.3	0.67	0.33	0.17
27	1.2	0.67	e2.2	1.2	2.9	8.7	4.1	6.1	2.9	0.66	0.32	0.93
28	1.1	0.67	e2.1	1.3	2.6	6.8	5.4	5.5	2.6	0.65	0.31	1.1
29	1.1	0.72	e1.9	1.7	---	7.6	6.7	5.0	2.4	0.60	1.5	0.61
30	1.1	1.3	e1.8	4.2	---	10	7.1	6.5	2.2	0.56	0.63	0.53
31	1.1	---	e1.8	4.5	---	10	---	7.0	---	0.53	0.29	---
TOTAL	32.75	23.67	74.5	42.97	118.0	185.3	209.4	194.5	186.2	31.63	13.83	8.10
MEAN	1.06	0.79	2.40	1.39	4.21	5.98	6.98	6.27	6.21	1.02	0.45	0.27
MAX	1.7	1.3	4.6	4.5	7.6	14	12	7.7	12	2.3	1.5	1.1
MIN	0.77	0.59	1.4	0.78	2.6	2.3	4.1	3.9	2.2	0.53	0.29	0.15
CFSM	0.52	0.39	1.18	0.68	2.08	2.94	3.44	3.09	3.06	0.50	0.22	0.13
IN.	0.60	0.43	1.37	0.79	2.16	3.40	3.84	3.56	3.41	0.58	0.25	0.15

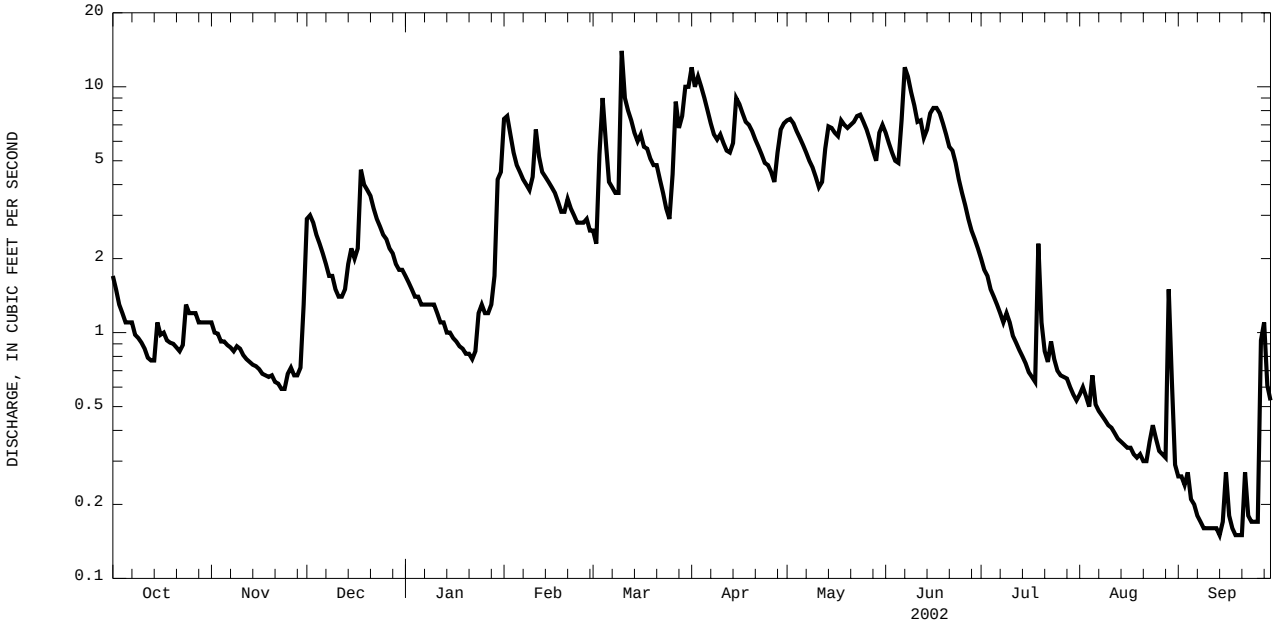
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	1.91	5.26	3.96	5.82	3.53	8.74	11.9	9.25	7.58	2.07	1.47	3.82
MAX	4.34	14.3	9.02	11.8	5.03	13.3	23.1	19.4	14.1	4.45	5.36	16.0
(WY)	2000	1998	2001	1999	2000	2000	2001	1998	2000	2000	2000	1999
MIN	1.06	0.79	1.14	1.39	2.06	1.78	6.98	5.91	1.73	0.92	0.44	0.27
(WY)	2002	2002	1999	2002	1998	2001	2002	2001	1999	1999	1999	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	1386.78		1120.85			
ANNUAL MEAN	3.80		3.07		5.44	
HIGHEST ANNUAL MEAN					7.39	1998
LOWEST ANNUAL MEAN					3.07	2002
HIGHEST DAILY MEAN	99	Apr 13	14	Mar 10	207	Sep 16 1999
LOWEST DAILY MEAN	0.26	Sep 19	0.15	Sep 14	0.15	Sep 14 2002
ANNUAL SEVEN-DAY MINIMUM	0.36	Sep 17	0.16	Sep 8	0.16	Sep 8 2002
ANNUAL RUNOFF (CFSM)	1.87		1.51		2.68	
ANNUAL RUNOFF (INCHES)	25.41		20.54		36.39	
10 PERCENT EXCEEDS	6.3		7.2		11	
50 PERCENT EXCEEDS	1.7		1.7		2.5	
90 PERCENT EXCEEDS	0.56		0.34		0.56	

e Estimated

01349840 BATAVIA KILL NEAR MAPLECREST, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01349950 BATAVIA KILL AT RED FALLS NEAR PRATTSVILLE, NY

LOCATION.--Lat 42°18'30", long 74°23'25", Greene County, 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.
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 fair 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. 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, 1.8 ft^3/s, Aug. 12, 13, 1999, gage height, 1.48 ft.
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, 628 ft^3/s, Mar. 27, gage height, 3.43 ft; minimum, 2.4 ft^3/s, Aug. 22, gage height, 1.50 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	6.5	12	e10	172	e46	222	235	133	23	8.1	8.8
2	9.4	6.6	15	e9.8	221	e48	192	206	104	21	8.3	7.8
3	8.8	6.4	15	e9.6	e120	96	178	185	88	19	8.5	7.1
4	8.1	6.2	14	e9.4	e100	112	174	156	78	17	7.5	8.1
5	7.2	6.2	13	e9.8	e82	75	150	140	77	15	16	8.0
6	6.5	6.3	13	e11	e76	70	138	127	139	13	14	6.4
7	6.2	6.5	12	e12	e70	70	125	120	388	12	9.2	5.6
8	6.2	6.8	11	e13	e66	67	118	112	213	12	7.7	5.2
9	6.1	7.1	10	e14	e62	67	116	105	155	13	6.6	4.7
10	6.1	6.1	9.2	e15	e60	168	143	107	129	14	5.7	4.3
11	6.0	5.8	8.8	e15	190	136	120	92	110	10	5.1	3.8
12	5.8	5.6	8.9	e14	129	112	107	94	108	8.7	4.8	3.5
13	5.7	5.6	10	e14	e90	103	105	254	110	7.8	5.0	4.2
14	5.5	5.8	12	13	e82	98	113	413	99	7.2	4.7	3.6
15	5.5	5.5	17	e13	e76	91	168	259	112	6.7	4.3	3.6
16	6.0	5.2	15	e13	e70	105	151	199	121	6.2	4.6	4.2
17	6.2	4.7	14	e11	e64	98	131	181	114	5.7	4.8	4.0
18	5.9	4.6	50	10	e60	92	131	279	94	5.8	4.4	3.9
19	6.1	4.8	57	e9.0	e56	87	119	320	81	28	3.9	3.7
20	5.9	5.4	43	e9.2	e56	96	121	276	71	25	3.9	3.5
21	5.7	5.4	35	e9.6	78	99	111	219	68	14	3.5	3.2
22	5.9	5.0	27	e10	82	118	101	195	57	11	3.0	5.8
23	5.1	5.1	e24	e12	71	95	102	175	62	21	3.3	6.5
24	6.4	5.2	31	e16	e56	92	92	160	54	26	4.1	5.5
25	8.0	5.6	28	e36	e54	89	93	153	48	15	4.4	4.9
26	7.8	6.2	e20	54	59	91	116	142	45	12	4.1	4.6
27	7.3	6.4	e17	43	65	446	99	126	39	10	3.9	9.6
28	7.2	6.5	e14	43	57	257	135	120	33	10	4.1	28
29	7.0	6.6	e13	55	---	215	258	108	29	9.8	13	20
30	6.9	7.6	e12	143	---	237	208	108	26	8.6	19	14
31	6.2	---	e11	141	---	215	---	170	---	7.4	12	---
TOTAL	206.1	177.3	591.9	797.4	2424	3791	4137	5536	2985	414.9	211.5	206.1
MEAN	6.65	5.91	19.1	25.7	86.6	122	138	179	99.5	13.4	6.82	6.87
MAX	9.4	7.6	57	143	221	446	258	413	388	28	19	28
MIN	5.1	4.6	8.8	9.0	54	46	92	92	26	5.7	3.0	3.2

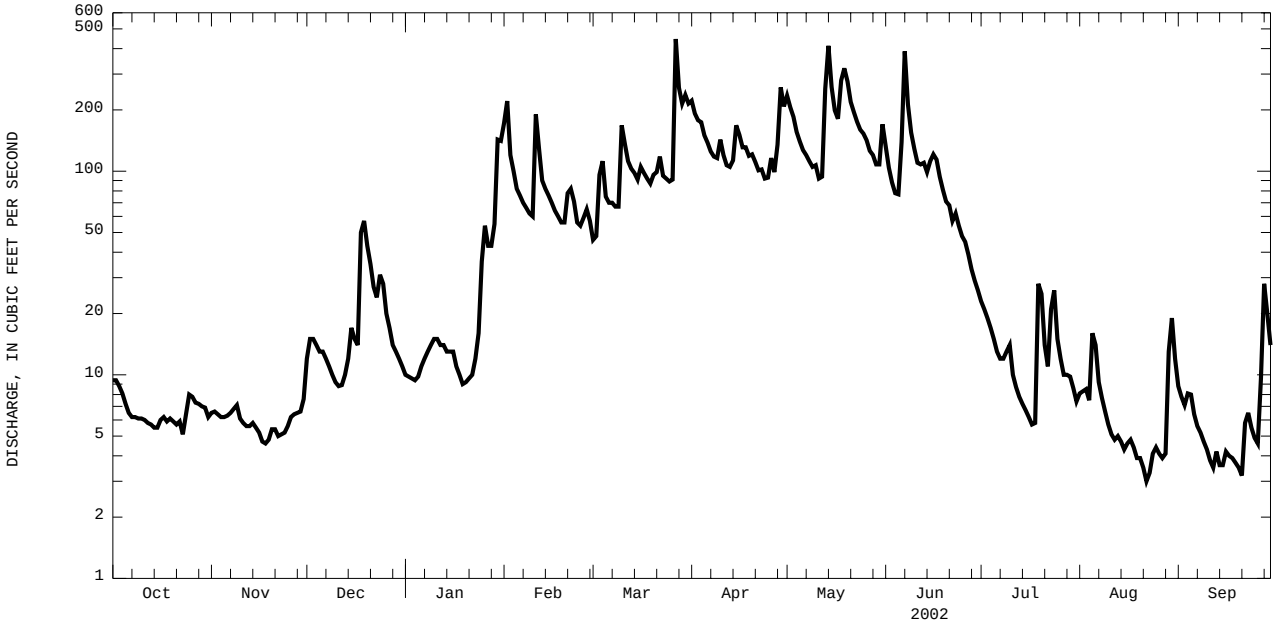
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	29.6	72.2	72.9	135	119	221	272	182	154	32.0	15.8	70.3
MAX	98.9	178	154	296	210	360	524	403	320	56.0	53.1	309
(WY)	2000	1998	2001	1998	2000	1998	2001	1998	2000	1998	2000	1999
MIN	6.56	5.91	11.3	25.7	83.7	78.7	138	60.6	18.5	11.9	5.53	4.62
(WY)	1998	2002	1999	2002	1998	2001	2002	2001	1999	2001	1999	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	27945.1		21478.2			
ANNUAL MEAN	76.6		58.8		114	
HIGHEST ANNUAL MEAN					171	1998
LOWEST ANNUAL MEAN					58.8	2002
HIGHEST DAILY MEAN	1980	Apr 13	446	Mar 27	4290	Sep 17 1999
LOWEST DAILY MEAN	3.5	Sep 9	3.0	Aug 22	1.9	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	3.8	Sep 7	3.7	Aug 18	2.6	Aug 11 1999
10 PERCENT EXCEEDS	120		154		235	
50 PERCENT EXCEEDS	29		15		57	
90 PERCENT EXCEEDS	5.2		5.1		5.5	

e Estimated

01349950 BATAVIA KILL AT RED FALLS NEAR PRATTSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01350000 SCHOHARIE CREEK AT PRATTSVILLE, NY

LOCATION.--Lat 42°19'10", long 74°26'13", Greene County, 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.
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 17,800 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 maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0530	*3,260	*6.07				

Minimum discharge, 14 ft^3/s, Aug. 22, gage height, 1.67 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	48	353	e70	776	e170	1050	973	481	88	28	45
2	78	48	266	e66	1030	e180	875	856	364	82	32	41
3	68	48	198	e68	e680	639	772	780	292	74	43	36
4	61	47	169	e70	e540	656	800	627	253	66	38	60
5	55	48	149	e74	e390	e390	636	545	253	61	58	66
6	52	48	135	e74	e350	e350	561	477	525	54	57	45
7	50	47	123	e72	e340	341	485	436	1610	49	41	39
8	47	45	110	e72	333	311	441	393	939	46	34	39
9	43	45	106	e78	291	303	420	359	673	46	29	34
10	41	42	96	e86	270	913	526	355	531	51	26	31
11	39	40	93	e90	952	707	439	295	432	43	24	27
12	38	40	91	e92	596	553	388	292	400	37	21	23
13	36	36	96	e86	475	490	364	734	402	34	20	21
14	34	36	121	e84	e320	448	499	1360	350	31	20	19
15	40	35	197	e80	e340	401	889	898	445	31	20	19
16	45	37	171	e78	e330	455	754	683	553	29	21	22
17	46	35	158	e76	e320	448	613	602	506	26	21	34
18	43	35	421	e74	e300	405	613	929	409	25	19	32
19	40	34	423	e72	e280	382	539	1110	362	72	18	27
20	39	37	338	e70	256	400	528	897	314	148	18	25
21	37	36	273	e74	288	410	472	724	268	74	17	22
22	37	35	e230	e80	301	e380	421	636	230	49	16	36
23	36	35	e200	e150	263	e360	405	564	299	60	17	40
24	61	34	e180	e220	224	356	354	514	241	78	20	34
25	66	31	e160	414	223	338	352	485	192	53	25	30
26	59	43	e140	377	212	352	455	434	171	42	23	27
27	58	45	e130	368	241	2210	373	387	140	39	20	45
28	55	44	e110	246	e200	1190	568	388	126	38	18	490
29	52	48	e96	281	---	954	1290	343	110	38	45	208
30	52	53	e86	577	---	1090	955	321	96	33	113	122
31	49	---	e78	623	---	1050	---	524	---	30	65	---
TOTAL	1545	1235	5497	4942	11121	17632	17837	18921	11967	1627	967	1739
MEAN	49.8	41.2	177	159	397	569	595	610	399	52.5	31.2	58.0
MAX	88	53	423	623	1030	2210	1290	1360	1610	148	113	490
MIN	34	31	78	66	200	170	352	292	96	25	16	19
CFSM	0.21	0.17	0.75	0.67	1.68	2.40	2.51	2.58	1.68	0.22	0.13	0.24
IN.	0.24	0.19	0.86	0.78	1.75	2.77	2.80	2.97	1.88	0.26	0.15	0.27

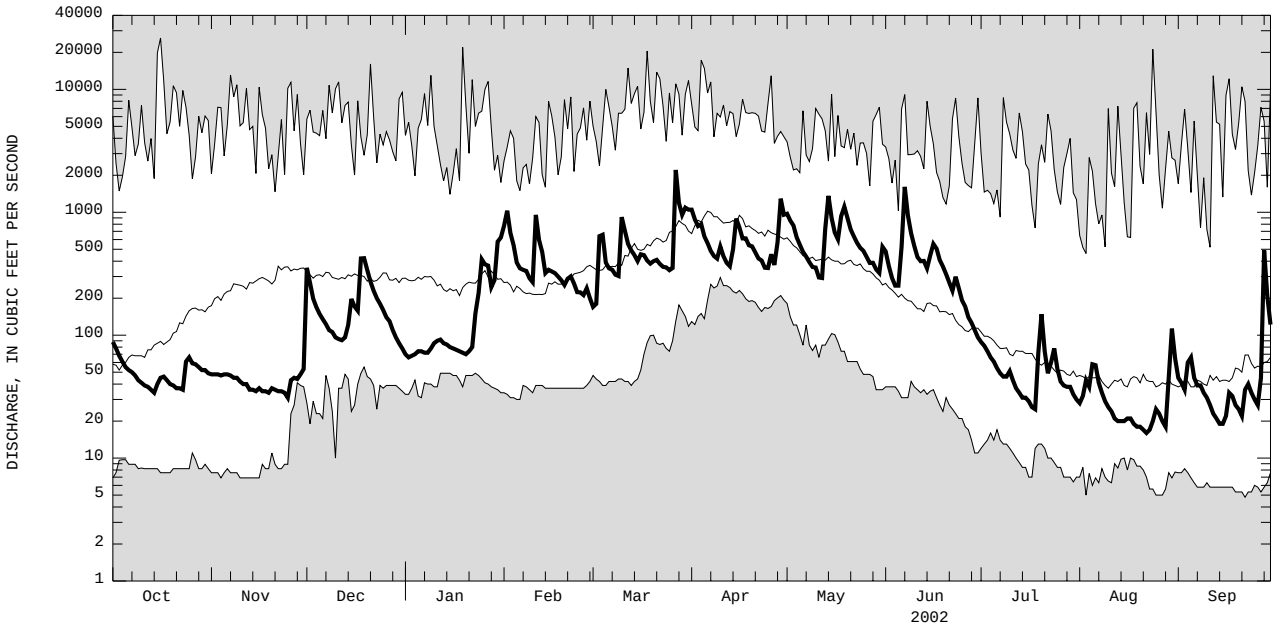
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2002, BY WATER YEAR (WY)

MEAN	296	481	521	475	452	866	1102	591	300	158	119	178
MAX	2496	1526	1723	2210	1711	2805	3023	1738	1230	981	1190	1153
(WY)	1956	1928	1974	1978	1981	1936	1958	1989	1972	1935	1955	1960
MIN	8.50	17.7	72.5	49.2	39.0	247	264	84.2	37.9	11.1	10.6	6.15
(WY)	1965	1965	1923	1931	1931	1937	1946	1905	1964	1965	1964	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1903 - 2002	
ANNUAL TOTAL	111033		95030			
ANNUAL MEAN	304		260		463	
HIGHEST ANNUAL MEAN					873	1978
LOWEST ANNUAL MEAN					202	1985
HIGHEST DAILY MEAN	6590	Apr 13	2210	Mar 27	26200	Oct 16 1955
LOWEST DAILY MEAN	16	Sep 9	16	Aug 22	4.8	Sep 22 1964
ANNUAL SEVEN-DAY MINIMUM	18	Aug 25	18	Aug 18	5.3	Sep 18 1964
ANNUAL RUNOFF (CFSM)	1.28		1.10		1.95	
ANNUAL RUNOFF (INCHES)	17.43		14.92		26.54	
10 PERCENT EXCEEDS	505		636		1040	
50 PERCENT EXCEEDS	140		113		220	
90 PERCENT EXCEEDS	29		31		30	

e Estimated

01350000 SCHOHARIE CREEK AT PRATTSVILLE, NY--Continued



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.

01350032 TOAD HOLLOW BROOK NEAR GRAND GORGE, NY

LOCATION.--Lat 42°19'58", long 74°29'38", Delaware County, Hydrologic Unit 02020005, on left bank 40 ft upstream from culvert on Johnson Hollow Road, and 2.0 mi south of Grand Gorge.
DRAINAGE AREA.--0.76 mi^2.
PERIOD OF RECORD.--September 1999 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,760 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges and those below 1.0 ft^3/s, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 165 ft^3/s, Sept. 16, 1999, gage height, 2.70 ft, from rating curve extended above 30 ft^3/s; maximum gage height, 3.05 ft, Feb. 14, 2000 (ice jam); minimum, no flow part or all of many days during September 1999, August and September 2001-2002.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 25 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 14	1030	ice jam	*2.14	No other peak greater than base discharge.			
Mar. 26	2300	*17	1.97				

Minimum, no flow part or all of several days during August and September.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.09	0.05	1.5	e1.2	8.9	e1.5	6.9	6.0	1.1	0.20	0.04	0.04
2	0.07	0.04	0.72	e1.2	7.5	e1.5	6.1	5.8	0.95	0.17	0.11	0.04
3	0.06	0.04	0.76	e1.1	6.8	e1.6	5.6	4.7	0.81	0.14	0.07	0.05
4	0.05	0.04	0.81	e1.1	e5.4	e1.7	4.5	3.6	0.72	0.12	0.04	0.19
5	0.05	0.05	0.82	e1.0	7.1	e1.8	3.5	3.0	0.77	0.10	0.20	0.06
6	0.07	0.04	0.80	e0.98	3.4	e1.7	2.9	2.5	1.6	0.10	0.08	0.05
7	0.07	0.04	0.77	e0.94	2.9	1.7	2.4	2.2	3.4	0.09	0.05	0.04
8	0.07	0.03	0.73	0.87	2.5	1.6	2.1	1.9	2.3	0.07	0.05	0.04
9	0.08	0.03	0.74	0.83	2.1	1.5	2.2	1.8	2.2	0.11	0.04	0.03
10	0.07	0.03	0.66	0.86	2.9	e2.8	2.1	1.8	1.9	0.08	0.03	0.03
11	0.07	0.03	0.64	0.88	5.7	e2.7	1.7	1.5	1.5	0.08	0.02	0.04
12	0.07	0.03	0.60	0.81	e5.0	e2.6	1.5	1.8	1.5	0.07	0.01	0.04
13	0.07	0.03	0.83	0.80	e3.8	2.4	1.6	4.4	1.3	0.06	0.01	0.03
14	0.08	0.03	1.1	0.76	e3.1	2.2	2.2	5.8	1.2	0.05	0.06	0.02
15	0.36	0.03	1.4	0.76	2.5	2.0	5.6	6.2	1.2	0.04	0.04	0.05
16	0.16	0.03	0.93	0.73	2.4	2.1	5.3	5.4	1.5	0.03	0.10	0.10
17	0.18	0.02	1.2	0.73	2.2	1.8	5.5	4.7	1.1	0.03	0.06	0.06
18	0.17	0.02	3.8	0.69	e1.9	1.7	4.8	5.8	0.95	0.03	0.03	0.04
19	0.12	0.02	2.5	0.67	e1.8	1.7	3.8	5.4	0.90	0.58	0.01	0.02
20	0.10	0.03	2.7	0.67	e1.6	1.7	3.0	4.5	0.84	0.15	0.04	0.01
21	0.08	0.03	2.5	0.65	2.0	1.8	2.4	4.2	0.76	0.07	0.02	0.06
22	0.08	0.03	2.2	0.63	1.7	e1.7	2.4	3.9	0.70	0.07	0.00	0.41
23	0.07	0.03	2.1	0.77	1.7	e1.6	2.2	3.7	0.64	0.24	0.02	0.11
24	0.10	0.03	2.7	3.6	e1.7	1.5	1.9	3.3	0.53	0.13	0.13	0.06
25	0.09	0.29	2.2	2.5	1.7	1.4	2.2	2.7	0.47	0.08	0.09	0.04
26	0.08	0.42	e1.9	1.7	1.7	3.0	1.9	2.3	0.41	0.08	0.04	0.04
27	0.07	0.09	e1.7	1.7	e1.7	6.3	1.6	2.0	0.41	0.08	0.03	0.44
28	0.06	0.09	e1.6	2.1	e1.6	5.2	3.8	1.8	0.34	0.10	0.02	0.32
29	0.06	0.19	e1.5	4.1	---	5.6	5.1	1.6	0.27	0.09	0.31	0.14
30	0.05	0.94	e1.5	5.8	---	6.6	6.3	1.5	0.23	0.06	0.14	0.10
31	0.05	---	e1.4	6.1	---	6.7	---	1.3	---	0.05	0.05	---
TOTAL	2.85	2.80	45.31	47.23	93.3	79.7	103.1	107.1	32.50	3.35	1.94	2.70
MEAN	0.092	0.093	1.46	1.52	3.33	2.57	3.44	3.45	1.08	0.11	0.063	0.090
MAX	0.36	0.94	3.8	6.1	8.9	6.7	6.9	6.2	3.4	0.58	0.31	0.44
MIN	0.05	0.02	0.60	0.63	1.6	1.4	1.5	1.3	0.23	0.03	0.00	0.01
CFSM	0.12	0.12	1.92	2.00	4.38	3.38	4.52	4.55	1.43	0.14	0.08	0.12
IN.	0.14	0.14	2.22	2.31	4.57	3.90	5.05	5.24	1.59	0.16	0.09	0.13

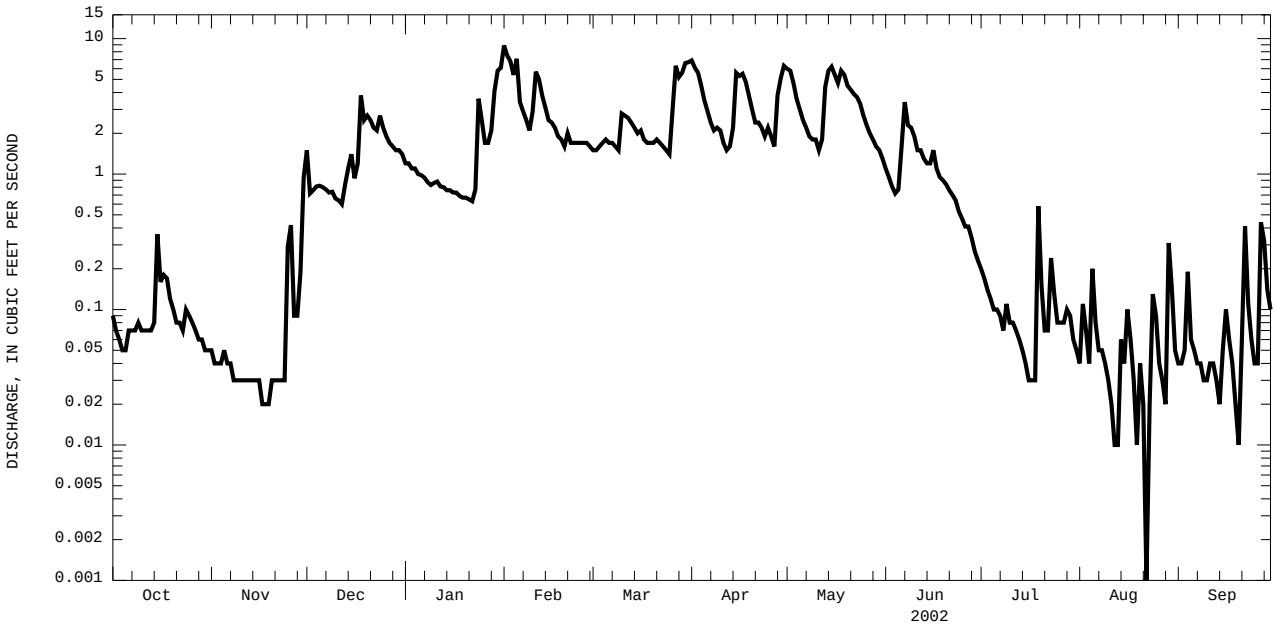
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	0.92	0.84	1.94	1.06	3.10	3.18	5.80	2.63	2.12	0.26	0.26	0.91
MAX	1.92	1.59	2.95	1.52	3.33	5.50	9.04	3.45	4.07	0.42	0.67	3.17
(WY)	2000	2000	2001	2002	2002	2000	2001	2002	2000	2000	2000	1999
MIN	0.092	0.093	1.42	0.50	2.71	1.46	3.44	1.16	1.08	0.11	0.037	0.063
(WY)	2002	2002	2000	2001	2001	2001	2002	2001	2002	2002	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	542.52		521.88			
ANNUAL MEAN	1.49		1.43		1.84	
HIGHEST ANNUAL MEAN					2.37	2000
LOWEST ANNUAL MEAN					1.43	2002
HIGHEST DAILY MEAN	37	Apr 13	8.9	Feb 1	37	Apr 13 2001
LOWEST DAILY MEAN	0.00	Aug 22	0.00	Aug 22	0.00	Sep 4 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 22	0.03	Nov 13	0.00	Aug 22 2001
ANNUAL RUNOFF (CFSM)	1.96		1.88		2.43	
ANNUAL RUNOFF (INCHES)	26.55		25.54		32.95	
10 PERCENT EXCEEDS	2.9		4.1		4.8	
50 PERCENT EXCEEDS	0.64		0.80		1.1	
90 PERCENT EXCEEDS	0.03		0.03		0.05	

e Estimated

01350032 TOAD HOLLOW BROOK NEAR GRAND GORGE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE. ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE.

01350035 BEAR KILL NEAR PRATTSVILLE, NY

LOCATION.--Lat 42°20'17", long 74°27'07", Delaware County, Hydrologic Unit 02020005, on right bank 50 ft upstream from bridge on Intake Road, about 100 ft upstream from mouth, and 0.15 mi northeast of State Highway 23, near Prattsville.
DRAINAGE AREA.--25.7 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,140 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Extreme low flows may be affected by discharges from New York City Grand Gorge Wastewater Treatment Plant about 2.0 mi upstream. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,200 ft^3/s, July 4, 1999, gage height, 7.53 ft, from rating curve extended above 260 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.03 ft^3/s, Sept. 10, 2001, gage height, 1.33 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0100	a*565	b*4.44				

a From rating curve extended as explained above.
b Recorded; outside gage height was 4.83 ft, from crest-stage gage.

Minimum recorded discharge, 0.24 ft^3/s, Aug. 12, 13, gage height, 1.40 ft, but may have been less during period of estimated daily discharges, Aug. 14 to Sept. 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.76	0.60	15	e7.0	e130	26	115	119	32	7.7	0.81	e0.74
2	e0.50	0.59	6.8	e7.0	e140	24	90	105	29	6.7	0.80	e0.64
3	e0.60	0.66	4.9	e6.8	e94	35	88	88	23	5.4	1.0	e0.50
4	e0.43	0.70	4.0	e6.6	e80	30	76	69	21	4.4	0.73	e2.3
5	e0.37	0.92	3.5	e6.6	e56	26	63	60	25	3.5	3.4	e1.3
6	e0.43	1.1	3.2	e6.4	e50	28	55	50	88	3.2	2.1	e0.84
7	0.60	0.97	3.0	e6.4	41	27	47	47	153	2.9	1.3	e0.66
8	0.54	0.85	2.8	e6.2	37	25	43	41	71	2.4	1.0	e0.50
9	0.48	0.86	3.3	e6.0	32	24	47	40	53	3.1	0.78	e0.42
10	0.44	0.84	3.1	e7.0	40	41	63	43	43	5.9	0.54	e0.40
11	0.39	0.81	3.1	e8.0	226	34	42	33	36	3.6	0.43	e0.39
12	0.38	0.77	3.0	e7.2	e90	32	37	45	33	2.6	0.34	e0.44
13	0.36	0.73	3.8	7.0	e70	30	38	147	30	2.1	0.34	e0.37
14	0.38	0.74	5.6	6.8	e56	27	49	223	30	1.8	e0.33	e0.32
15	1.00	0.77	e12	6.4	e52	25	128	176	33	1.5	e0.30	e0.38
16	0.99	0.80	e8.2	6.6	e50	29	76	122	47	1.3	e0.39	e0.74
17	0.79	0.83	e7.8	5.9	48	23	65	113	37	1.1	e0.90	e0.76
18	1.5	0.75	29	e5.8	39	24	61	193	27	0.86	e0.66	e0.60
19	1.1	0.75	e20	e5.6	35	25	58	191	23	11	e0.50	e0.50
20	0.78	1.0	e15	e5.6	35	28	51	144	21	8.1	e0.48	e0.45
21	0.54	1.2	e12	5.5	40	32	44	117	19	3.6	e0.45	e0.80
22	0.58	1.0	e10	5.1	38	32	42	98	18	2.4	e0.38	12
23	0.61	0.95	e11	5.8	33	28	39	83	18	4.6	e0.45	7.5
24	0.72	0.89	e18	e40	30	28	33	73	16	5.6	e0.94	3.7
25	0.81	1.3	e14	69	29	29	43	65	13	3.2	e1.6	2.1
26	0.74	3.9	e10	35	28	82	49	56	15	2.2	e0.90	1.6
27	0.69	2.3	e8.6	29	30	303	38	49	14	2.2	e0.56	7.9
28	0.63	1.7	e8.4	32	27	154	84	48	14	1.8	e0.45	13
29	0.59	2.0	e8.2	48	---	132	137	42	10	1.8	e1.4	5.7
30	0.57	3.9	e8.0	89	---	139	125	45	8.2	1.4	e1.7	3.5
31	0.60	---	e7.6	82	---	116	---	41	---	1.1	e1.0	---
TOTAL	19.90	35.18	272.9	571.3	1656	1638	1926	2766	1000.2	109.06	26.96	71.05
MEAN	0.64	1.17	8.80	18.4	59.1	52.8	64.2	89.2	33.3	3.52	0.87	2.37
MAX	1.5	3.9	29	89	226	303	137	223	153	11	3.4	13
MIN	0.36	0.59	2.8	5.1	27	23	33	33	8.2	0.86	0.30	0.32
CFSM	0.02	0.05	0.34	0.72	2.30	2.06	2.50	3.47	1.30	0.14	0.03	0.09
IN.	0.03	0.05	0.40	0.83	2.40	2.37	2.79	4.00	1.45	0.16	0.04	0.10

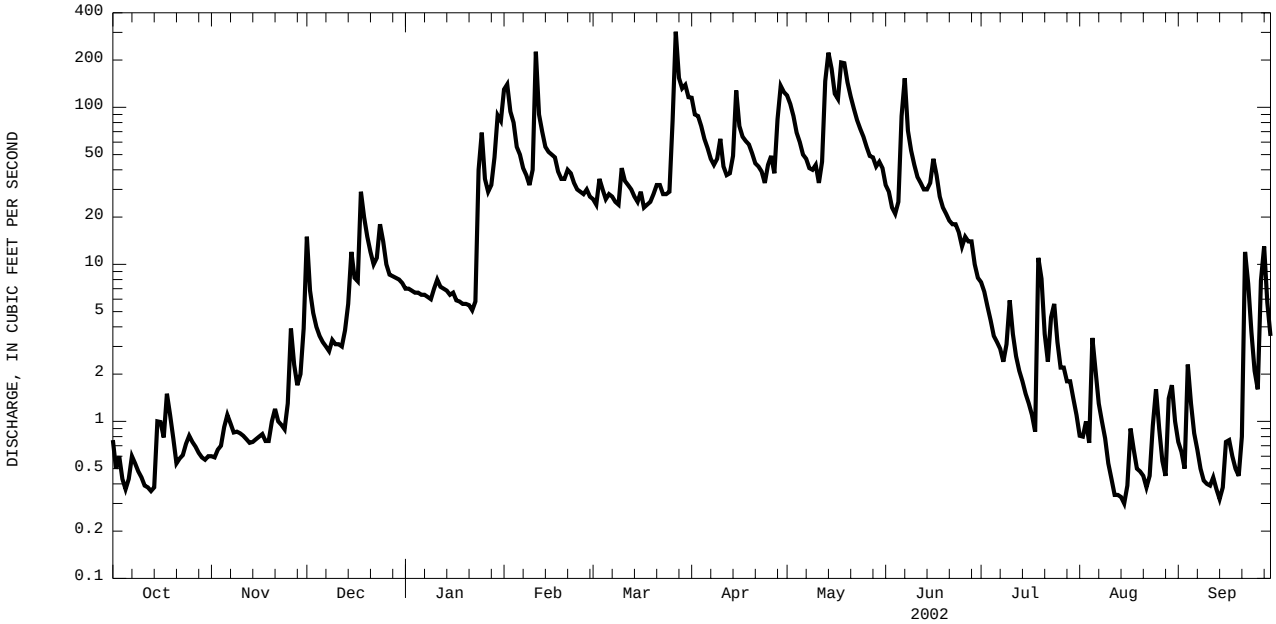
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	13.4	13.8	30.9	39.5	58.5	69.5	107	52.8	37.8	14.6	7.47	17.6
MAX	38.6	37.6	65.3	82.4	78.8	137	184	89.2	98.6	36.7	25.5	55.9
(WY)	2000	2000	2001	1999	2000	2000	2001	2002	2000	1999	2000	1999
MIN	0.64	1.17	6.02	17.5	42.0	29.0	44.3	13.7	4.98	3.44	0.50	0.77
(WY)	2002	2002	1999	2001	1999	2001	1999	2001	1999	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002		
ANNUAL TOTAL	9774.69		10092.55				
ANNUAL MEAN	26.8		27.7		38.3		
HIGHEST ANNUAL MEAN					61.9		2000
LOWEST ANNUAL MEAN					27.7		2002
HIGHEST DAILY MEAN	782	Apr 9	303	Mar 27	782	Apr 9	2001
LOWEST DAILY MEAN	0.06	Sep 9	0.30	Aug 15	0.06	Sep 9	2001
ANNUAL SEVEN-DAY MINIMUM	0.10	Sep 7	0.38	Aug 10	0.10	Sep 7	2001
ANNUAL RUNOFF (CFSM)	1.04		1.08		1.49		
ANNUAL RUNOFF (INCHES)	14.15		14.61		20.26		
10 PERCENT EXCEEDS	41		81		93		
50 PERCENT EXCEEDS	8.2		7.6		18		
90 PERCENT EXCEEDS	0.37		0.55		0.89		

e Estimated

01350035 BEAR KILL NEAR PRATTSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01350080 MANOR KILL AT WEST CONESVILLE NEAR GILBOA, NY

LOCATION.--Lat 42°22'37", long 74°24'48", Schoharie County, Hydrologic Unit 02020005, on right bank 50 ft south of County Highway 3, 0.5 mi east of West Conesville, 1.2 mi upstream from mouth, and 2.2 mi southeast of Gilboa.
DRAINAGE AREA.--32.4 mi^2.
PERIOD OF RECORD.--July 1986 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,255.95 ft above NGVD of 1929.
REMARKS.--Records good, except those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,050 ft^3/s, Jan. 19, 1996, gage height, 10.20 ft in gage well, outside gage height was 10.8 ft, from floodmarks, from rating curve extended above 970 ft^3/s on basis of slope-area measurement of peak flow at gage height 9.76 ft; maximum outside gage height, 10.9 ft from floodmarks, Apr. 4, 1987; minimum discharge, 1.0 ft^3/s, Aug. 28, 29, 30, 31, Sept. 1, 2, 1993, Sept. 6, 7, 8, 1995; minimum gage height, 0.33 ft, Sept. 10, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0315	*257	*2.38				

Minimum discharge, 1.4 ft^3/s, part of each day Nov. 13-20, 22-25, gage height, 0.37 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.5	3.7	e2.8	51	e25	114	112	45	8.5	3.9	2.4
2	1.5	1.5	2.9	e2.6	62	e23	99	97	38	7.7	4.1	2.3
3	1.5	1.6	2.4	e2.4	e47	e27	95	88	33	7.0	4.2	2.2
4	1.5	1.5	2.2	2.5	e41	30	90	76	29	6.5	3.6	3.9
5	1.5	1.6	2.1	2.5	e35	e26	77	69	31	5.9	5.7	2.9
6	1.6	2.1	1.9	2.5	e30	e22	70	62	110	5.8	4.0	2.6
7	1.7	1.7	1.8	e2.5	e26	21	62	58	178	5.2	3.4	2.5
8	1.7	1.5	1.8	e2.5	e24	21	58	54	99	4.8	3.2	2.3
9	1.7	1.6	1.9	2.5	e23	22	57	52	75	5.1	3.0	2.3
10	1.7	1.5	1.8	2.7	e22	47	71	54	62	5.5	2.9	2.2
11	1.7	1.5	1.8	3.0	92	36	56	44	53	4.7	2.8	2.2
12	1.7	1.5	1.8	3.2	67	32	50	50	48	4.4	2.5	2.2
13	1.5	1.5	1.9	3.1	48	31	49	130	45	4.1	2.2	2.2
14	1.5	1.5	2.2	2.9	e43	31	54	173	44	3.8	3.0	2.1
15	2.0	1.5	3.3	2.9	e40	29	90	127	48	3.7	3.4	2.1
16	1.8	1.5	3.1	2.8	e37	34	70	103	54	3.5	2.8	2.4
17	2.0	1.5	3.1	2.8	e33	32	61	96	49	3.3	2.8	2.3
18	1.9	1.4	11	e2.8	e31	31	59	141	38	3.2	2.5	2.2
19	1.8	1.4	10	e2.9	e29	31	57	154	32	18	2.3	2.1
20	1.7	1.5	7.6	e2.8	e29	34	55	135	27	13	2.3	2.1
21	1.7	1.5	6.4	e2.7	e30	37	50	115	22	6.3	2.2	2.1
22	1.7	1.5	5.4	2.6	40	42	48	102	21	5.1	2.1	5.0
23	1.7	1.4	4.7	2.8	34	e37	48	89	28	6.3	2.2	3.6
24	1.8	1.4	5.7	5.0	31	35	42	82	21	6.2	2.5	2.7
25	1.8	1.6	6.2	15	29	35	47	75	17	5.3	2.6	2.4
26	1.7	2.5	5.1	12	29	47	59	65	17	5.0	2.2	2.3
27	1.7	2.1	e4.4	11	32	185	47	62	14	4.8	2.1	4.5
28	1.6	1.9	3.9	13	27	119	78	69	13	4.8	1.9	5.5
29	1.5	2.1	e3.6	21	---	111	127	58	11	4.6	4.4	3.9
30	1.5	2.4	e3.3	61	---	128	108	53	9.1	4.1	4.3	3.2
31	1.5	---	e3.1	49	---	113	---	52	---	4.1	2.8	---
TOTAL	51.9	49.3	120.1	249.8	1062	1474	2048	2697	1311.1	180.3	93.9	82.7
MEAN	1.67	1.64	3.87	8.06	37.9	47.5	68.3	87.0	43.7	5.82	3.03	2.76
MAX	2.0	2.5	11	61	92	185	127	173	178	18	5.7	5.5
MIN	1.5	1.4	1.8	2.4	22	21	42	44	9.1	3.2	1.9	2.1
CFSM	0.05	0.05	0.12	0.25	1.17	1.47	2.11	2.69	1.35	0.18	0.09	0.09
IN.	0.06	0.06	0.14	0.29	1.22	1.69	2.35	3.10	1.51	0.21	0.11	0.09

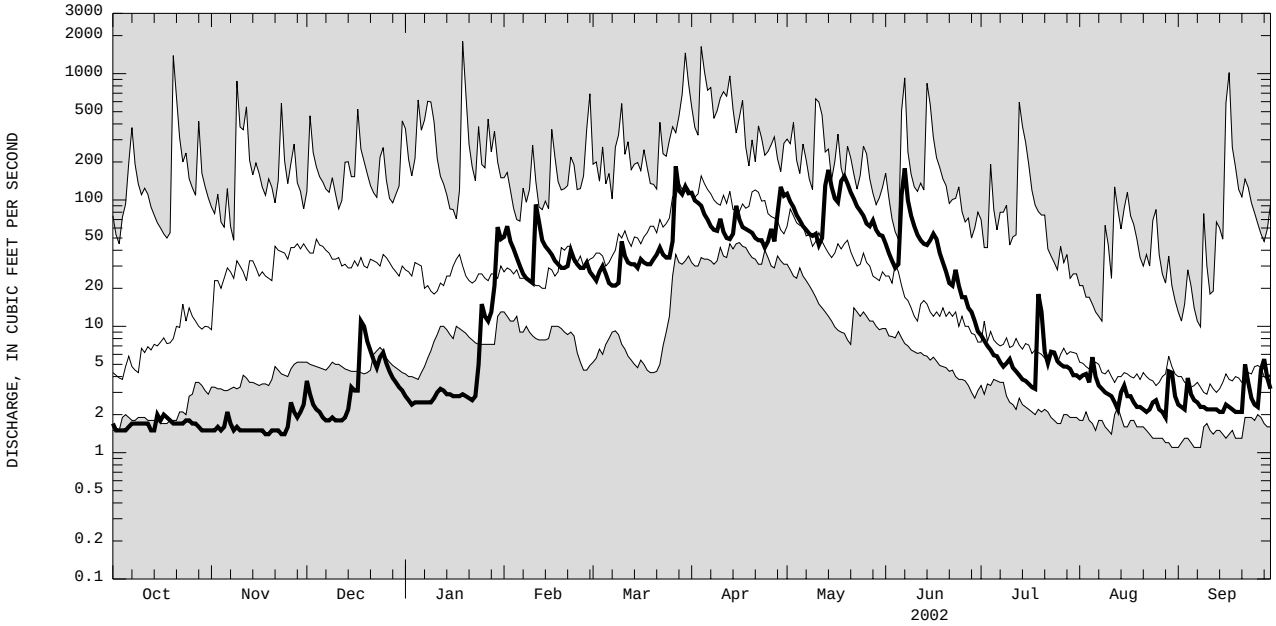
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2002, BY WATER YEAR (WY)

MEAN	28.1	44.6	44.4	52.2	43.1	86.2	136	69.8	35.3	16.5	7.87	14.5
MAX	128	116	153	165	116	149	297	152	127	80.5	33.3	99.1
(WY)	1997	1997	1997	1996	1990	1998	1993	1989	2000	1996	2000	1999
MIN	1.67	1.64	3.87	8.06	12.8	33.2	46.0	19.1	5.80	2.75	1.66	1.60
(WY)	2002	2002	2002	2002	1993	2001	1995	2001	1991	1993	1993	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1986 - 2002	
ANNUAL TOTAL	11318.9		9420.1			
ANNUAL MEAN	31.0		25.8		48.2	
HIGHEST ANNUAL MEAN					73.2	1996
LOWEST ANNUAL MEAN					25.8	2002
HIGHEST DAILY MEAN	885	Apr 13	185	Mar 27	1800	Jan 19 1996
LOWEST DAILY MEAN	1.4	Nov 18	1.4	Nov 18	1.1	Aug 30 1993
ANNUAL SEVEN-DAY MINIMUM	1.4	Nov 18	1.4	Nov 18	1.2	Aug 27 1993
ANNUAL RUNOFF (CFSM)	0.96		0.80		1.49	
ANNUAL RUNOFF (INCHES)	13.00		10.82		20.23	
10 PERCENT EXCEEDS	52		73		117	
50 PERCENT EXCEEDS	7.2		5.1		23	
90 PERCENT EXCEEDS	1.7		1.7		3.0	

e Estimated

01350080 MANOR KILL AT WEST CONESVILLE NEAR GILBOA, NY--Continued



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.

01350100 SCHOHARIE RESERVOIR NEAR GRAND GORGE, NY

LOCATION.--Lat 42°21'21", long 74°26'42", Schoharie County, Hydrologic Unit 02020005, in Shandaken Tunnel intake house on Intake Road, 1.6 mi north of junction of Intake Road and State Highway 23, 2.5 mi upstream from Gilboa Dam, and 2.6 mi east of Grand Gorge.
DRAINAGE AREA.--315 mi^2.
PERIOD OF RECORD.--January 1973 to current year. Monthly contents only published as "at Gilboa" for September 1928 to December 1972.
REVISED RECORDS.--WDR NY-86-1: 1956 (maximum elevation). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Supplementary nonrecording gage used for periods when reservoir elevation is below 1,065.00 ft. Prior to Nov. 2001, supplementary nonrecording gage used for periods when reservoir elevation was below 1,072.50 ft. Datum of gage is NGVD of 1929 (levels by Board of Water Supply, City of New York).
REMARKS.--Reservoir is formed by masonry and earth dam. Storage began July 24, 1926. Usable capacity 19,583 mil gal between minimum operating level, elevation, 1,050.00 ft, and crest of spillway, elevation, 1,130.00 ft. Dead storage below elevation 1,050.00 ft, 1,968 mil gal. Figures given herein represent usable contents. Reservoir impounds water except for periods of spilling, for diversion through Shandaken Tunnel into Esopus Creek to Ashokan Reservoir, for New York City water supply.
COOPERATION.--Capacity table and once-daily nonrecording gage readings provided by Department of Environmental Protection, City of New York.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 1,136.68 ft, Jan. 19, 1996, contents, 22,235 mil gal; minimum observed (after initial filling), 1,062.00 ft, Aug. 20, 1970, contents, 1,520 mil gal.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,120.63 ft, June 13, 14, contents, 16,310 mil gal; minimum recorded elevation, 1,068.69 ft, Nov. 19, contents, 2,621 mil gal, but may have been less during period of once-daily readings, Nov. 12-15.

Capacity table (elevation, in feet, and usable contents in million gallons)

1,063.0	1,670	1,120.0	16,100
1,080.0	4,970	1,133.0	20,700

.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1084.86	1072.67	1070.02	1081.10	1087.32	1093.84	1106.32	1111.89	1117.41	1118.72	1103.87	1090.49
2	1084.54	1072.24	1071.32	1081.01	1090.21	1093.09	1107.58	1112.74	1116.95	1118.50	1103.43	1090.11
3	1084.25	1071.83	1072.54	1080.95	1092.21	1092.75	1108.39	1113.46	1116.28	1118.25	1103.03	1089.73
4	1083.95	1071.43	1072.91	1080.89	1093.71	1093.48	1109.17	1113.85	1115.48	1117.85	1102.60	1089.44
5	1083.61	1071.06	1073.14	1080.83	1094.86	1093.51	1109.63	1113.47	1114.67	1117.39	1102.24	1089.16
6	1083.27	1070.75	1073.38	1080.78	1095.75	1093.27	1109.81	1113.82	1114.37	1116.91	1101.88	1088.81
7	1082.91	1070.46	1073.27	1080.82	1096.15	1093.01	1109.81	1113.58	1116.80	1116.43	1101.44	1088.43
8	1082.53	1070.15	1073.41	1080.77	1097.05	1092.67	1109.64	1113.23	1118.94	1115.94	1101.01	1088.05
9	1082.15	1069.85	1073.57	1080.76	1097.53	1092.28	1109.42	1112.78	1119.81	1115.46	1100.55	1087.66
10	1081.77	1069.55	1073.68	1080.76	1097.90	1092.56	1109.39	1112.32	1120.24	1115.00	1100.08	1087.26
11	1081.39	1069.25	1073.67	1080.79	1099.49	1093.64	1109.29	1111.73	1120.41	1114.49	1099.61	1086.86
12	1081.00	1068.95	1073.66	1080.83	1101.37	1094.02	1109.01	1111.06	1120.50	1113.98	1099.14	1086.42
13	1080.61	1068.72	1073.73	1080.85	1102.45	1094.07	1108.66	1110.90	1120.61	1113.45	1098.66	1085.98
14	1080.20	1068.70	1073.87	1080.84	1102.34	1094.04	1108.45	1112.98	1120.57	1112.92	1098.20	1085.54
15	1079.85	1068.78	1074.17	1080.81	1101.99	1094.00	1108.97	1114.55	1120.36	1112.39	1097.74	1085.12
16	1079.47	1069.03	1074.58	1080.78	1101.63	1093.97	1109.85	1115.24	1120.31	1111.86	1097.29	1084.72
17	1079.13	1068.98	1074.86	1080.73	1101.21	1094.00	1110.20	1115.58	1120.42	1111.31	1096.86	1084.31
18	1078.77	1068.90	1075.54	1080.64	1100.69	1093.90	1110.38	1116.14	1120.46	1110.76	1096.39	1083.92
19	1078.38	1068.92	1076.90	1080.49	1100.06	1093.74	1110.44	1117.77	1120.50	1110.24	1095.90	1083.53
20	1078.01	1069.02	1077.87	1080.38	1099.43	1093.59	1110.44	1119.03	1120.57	1109.68	1095.43	1083.12
21	1077.63	1069.08	1078.60	1080.28	1098.87	1093.50	1110.31	1119.63	1120.53	1108.92	1094.94	1082.71
22	1077.23	1069.03	1079.11	1080.19	1098.40	1093.56	1110.02	1119.98	1120.41	1108.11	1094.45	1082.42
23	1076.76	1069.01	1079.46	1080.11	1097.87	1093.43	1109.68	1120.13	1120.33	1107.62	1093.98	1082.13
24	1076.34	1069.01	1079.91	1080.14	1097.21	1093.27	1109.23	1120.11	1120.26	1107.31	1093.53	1081.85
25	1075.98	1069.09	1080.40	1080.78	1096.53	1093.04	1108.72	1119.99	1120.05	1106.93	1093.09	1081.59
26	1075.29	1069.16	1080.73	1081.41	1095.85	1092.82	1108.48	1119.76	1119.80	1106.51	1092.63	1081.34
27	1074.83	1069.63	1080.88	1081.88	1095.21	1096.11	1108.16	1119.40	1119.51	1106.08	1092.16	1081.16
28	1074.38	1070.10	1081.00	1082.33	1094.59	1099.73	1107.88	1119.01	1119.26	1105.64	1091.69	1081.55
29	1074.00	1069.81	1081.11	1082.86	---	1101.46	1109.29	1118.56	1119.10	1105.22	1091.30	1082.20
30	1073.78	1069.62	1081.16	1083.93	---	1103.06	1110.67	1118.14	1118.92	1104.78	1091.09	1082.28
31	1073.24	---	1081.15	1085.65	---	1104.83	---	1117.67	---	1104.33	1090.83	---
MEAN	1079.36	1069.76	1076.12	1081.14	1097.42	1094.65	1109.24	1115.76	1119.13	1111.71	1097.26	1085.26
MAX	1084.86	1072.67	1081.16	1085.65	1102.45	1104.83	1110.67	1120.13	1120.61	1118.72	1103.87	1090.49
MIN	1073.24	1068.70	1070.02	1080.11	1087.32	1092.28	1106.32	1110.90	1114.37	1104.33	1090.83	1081.16
‡	3442	2728	5243	6524	8517	11660	13354	15309	15719	11240	7582	5499
‡‡	-138	-36.8	+126	+63.9	+110	+157	+87.4	+97.6	+21.1	-224	-183	-107

CAL YR 2001 MEAN 1109.65 MAX 1131.68 MIN 1068.70 ‡‡ -60.9
WTR YR 2002 MEAN 1094.70 MAX 1120.61 MIN 1068.70 ‡‡ -2.97

‡ Contents, in million gallons, at 2400 hours on last day of month.
‡‡ Change in contents, equivalent in cubic feet per second.

NOTE: Mean elevations for Oct. 26 to Nov. 15, Dec. 6-13, Feb. 7-8, 16, Mar. 13-15, May 3, 30-31, computed based on readings at 0800 hours and on adjacent days.

01350101 SCHOHARIE CREEK AT GILBOA, NY

LOCATION.--Lat 42°23'50", long 74°27'03", Schoharie County, Hydrologic Unit 02020005, on left bank 200 ft upstream from bridge on County Highway 322, 0.2 mi west of village of Gilboa, 0.4 mi downstream from dam on Schoharie Reservoir, and 0.8 mi upstream from the Platter Kill.
DRAINAGE AREA.--316 mi^2.
PERIOD OF RECORD.--October 1975 to current year (since October 1983, discharges only for days of Schoharie Reservoir spill and since October 1989, discharges only for days of mean flow exceeding 10 ft^3/s).
REVISED RECORDS.--WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 939.56 ft above NGVD of 1929.
REMARKS.--No daily mean discharges greater than 10 ft^3/s. Entire flow, runoff from 315 mi^2, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of city of New York.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft^3/s, Jan. 19, 1996, gage height, 30.60 ft, outside gage height, 32.2 ft, from floodmark, from rating curve extended above 14,000 ft^3/s on basis of flow-over-dam measurement of peak flow; minimum daily discharge, 0.04 ft^3/s on many days, June to October 1976, and Sept. 11-13, 1980, but may have been lower since October 1983 (see PERIOD OF RECORD); minimum instantaneous discharge not determined.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 65,000 ft^3/s, Oct. 16, 1955, by computation of flow over dam; flood of Mar. 18, 1936, reached a discharge of 32,000 ft^3/s, from information furnished by Bureau of Water Resources Development, City of New York.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18 ft^3/s, Mar. 27, gage height, 6.98 ft; minimum discharge not determined.

NO DAILY MEAN DISCHARGES GREATER THAN 10 ft^3/s -- SEE PERIOD OF RECORD

01350120 PLATTER KILL AT GILBOA, NY

LOCATION.--Lat 42°24'22", long 74°26'51", Schoharie County, Hydrologic Unit 02020005, on right bank, 0.2 mi downstream from County Highway 17, and 0.6 mi northwest of Gilboa.
DRAINAGE AREA.--10.9 mi^2.
PERIOD OF RECORD.--January 1975 to current year. Occasional discharge measurements, water years 1969-73.
REVISED RECORDS.--WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Elevation of gage is 1,080 ft above NGVD of 1929, from topographic map. Prior to October 1, 1990, at site 0.2 mi upstream at datum about 30 ft higher.
REMARKS.--Records poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,370 ft^3/s, Jan. 19, 1996, gage height, about 6.7 ft, from outside floodmark, from rating curve extended above 280 ft^3/s on basis of flow-through-culvert measurement of peak flow; minimum discharge, 0.32 ft^3/s, Nov. 18, 1980 (result of freezeup).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 14	1015	ice jam	*2.65	Mar. 27	0015	*69	2.46

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	e1.0	4.0	e1.1	8.7	e6.6	30	33	18	4.2	2.2	1.8
2	1.5	e1.1	1.9	e1.1	13	e6.4	30	30	9.7	4.1	2.5	1.5
3	1.5	e1.1	1.6	e1.1	11	e6.8	33	29	11	3.7	2.3	1.4
4	1.5	e1.1	1.5	e1.1	7.2	7.0	32	24	12	5.8	2.0	2.6
5	1.5	1.4	1.4	e1.1	e7.0	e8.0	28	22	16	5.4	5.0	1.5
6	1.6	1.4	1.4	e1.1	e6.0	16	26	20	42	5.0	2.1	1.3
7	1.5	e1.1	1.4	e1.1	5.0	5.9	24	18	48	4.2	2.0	e1.0
8	1.6	e1.1	1.4	e1.2	4.7	5.8	22	16	34	3.8	1.8	e1.0
9	1.6	e1.1	1.5	e1.2	4.1	5.9	22	16	26	5.3	1.7	e1.0
10	1.6	e1.1	1.4	e1.3	5.4	7.8	25	17	20	5.3	1.7	e1.0
11	1.5	e1.1	1.4	e1.3	16	6.6	20	13	16	4.1	1.7	e1.0
12	e1.1	e1.1	1.4	e1.3	e17	6.6	19	16	16	3.6	1.6	e1.0
13	e1.0	e1.0	1.6	e1.3	e15	6.3	16	37	15	3.5	1.5	e1.0
14	e1.1	e1.0	1.9	e1.2	e11	6.0	15	45	14	3.4	1.7	e1.0
15	2.4	e1.0	3.0	e1.2	e9.0	4.8	33	40	15	3.3	1.6	1.3
16	1.6	e1.0	2.0	e1.2	e8.4	6.3	25	37	17	3.1	1.7	1.5
17	1.9	e1.0	2.3	e1.2	e8.0	5.7	21	36	15	2.8	1.6	1.3
18	1.7	e1.0	6.3	e1.2	e7.4	5.4	20	43	12	2.8	1.4	e1.0
19	1.5	e1.1	3.8	e1.1	e7.0	5.4	19	42	9.7	6.1	1.3	e1.0
20	1.5	1.5	2.6	e1.0	e7.0	6.6	18	42	7.8	4.0	1.5	1.2
21	1.5	1.4	2.1	e1.0	e9.0	7.9	17	36	7.1	2.8	1.3	2.5
22	1.6	1.4	1.8	e1.1	15	8.7	17	39	7.7	2.5	1.3	7.9
23	1.5	1.4	e1.5	e1.1	e11	10	17	36	8.1	3.1	1.5	2.2
24	1.7	1.4	e1.5	3.0	e8.0	6.8	20	35	6.7	2.9	2.3	1.6
25	1.6	2.1	e1.4	4.7	7.0	6.8	19	31	5.2	2.4	1.7	1.5
26	1.5	2.1	e1.4	3.3	6.9	14	19	27	4.9	2.3	1.5	1.5
27	1.4	1.5	e1.4	2.9	8.0	56	18	23	5.0	2.2	1.3	5.7
28	e1.1	1.5	e1.3	3.5	6.7	33	22	21	5.1	2.5	e0.90	4.3
29	e1.1	1.8	e1.3	4.3	---	31	30	17	3.6	2.2	3.9	2.1
30	e1.0	2.7	e1.2	6.5	---	34	32	16	3.9	2.0	2.3	1.7
31	e1.0	---	e1.2	5.5	---	31	---	15	---	2.0	1.5	---
TOTAL	45.7	39.6	59.9	60.3	249.5	375.1	689	872	431.5	110.4	58.40	56.4
MEAN	1.47	1.32	1.93	1.95	8.91	12.1	23.0	28.1	14.4	3.56	1.88	1.88
MAX	2.4	2.7	6.3	6.5	17	56	33	45	48	6.1	5.0	7.9
MIN	1.0	1.0	1.2	1.0	4.1	4.8	15	13	3.6	2.0	0.90	1.0
CFSM	0.14	0.12	0.18	0.18	0.82	1.11	2.11	2.58	1.32	0.33	0.17	0.17
IN.	0.16	0.14	0.20	0.21	0.85	1.28	2.35	2.98	1.47	0.38	0.20	0.19

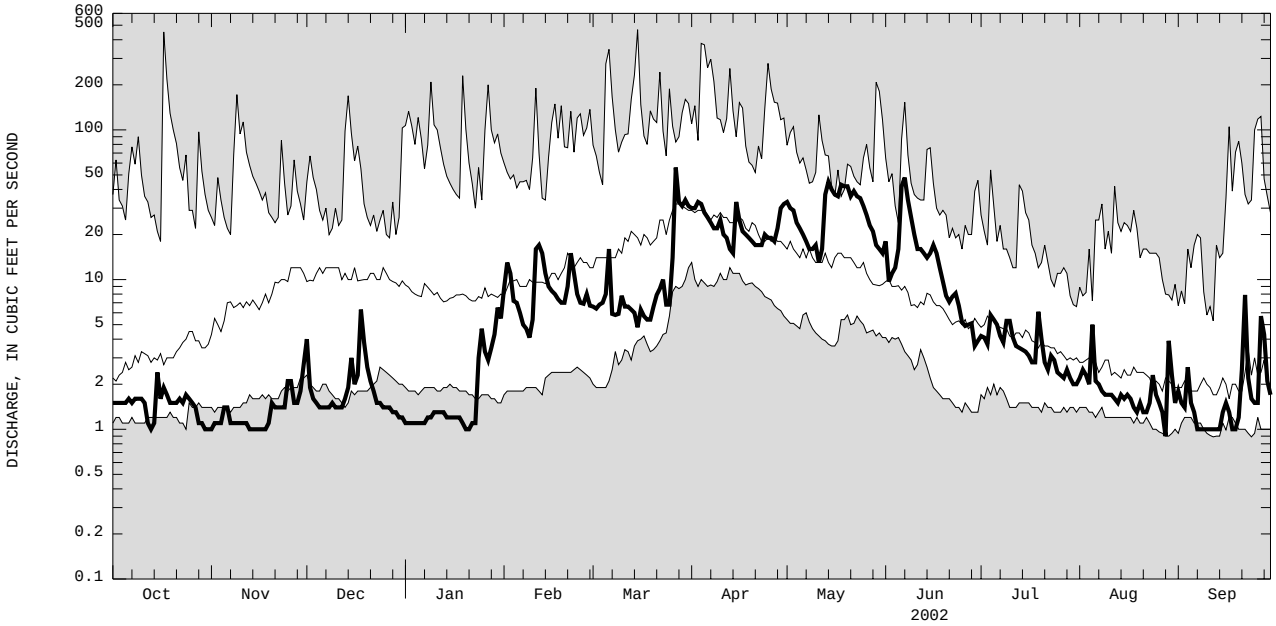
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

MEAN	8.80	10.3	11.9	13.3	16.4	28.5	33.3	18.8	10.4	5.18	3.47	4.45
MAX	53.0	36.0	28.2	48.4	46.4	75.5	96.8	40.6	28.3	12.5	13.1	26.0
(WY)	1978	1978	1984	1978	1976	1979	1987	1984	2000	1996	2000	1977
MIN	1.47	1.32	1.93	1.84	2.18	8.67	11.6	6.05	2.66	1.70	1.35	1.22
(WY)	1984	2002	2002	1981	1980	1989	1985	1985	1995	1993	1993	1980

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	3278.0		3047.80			
ANNUAL MEAN	8.98		8.35		13.6	
HIGHEST ANNUAL MEAN					26.6	1978
LOWEST ANNUAL MEAN					5.43	1985
HIGHEST DAILY MEAN	150	Apr 13	56	Mar 27	467	Mar 15 1986
LOWEST DAILY MEAN	1.0	Oct 13	0.90	Aug 28	0.89	Sep 12 1980
ANNUAL SEVEN-DAY MINIMUM	1.0	Nov 12	1.0	Sep 7	0.95	Aug 24 1980
ANNUAL RUNOFF (CFSM)	0.82		0.77		1.25	
ANNUAL RUNOFF (INCHES)	11.19		10.40		17.00	
10 PERCENT EXCEEDS	16		25		30	
50 PERCENT EXCEEDS	4.2		3.1		7.7	
90 PERCENT EXCEEDS	1.4		1.1		1.7	

e Estimated

01350120 PLATTER KILL AT GILBOA, NY--Continued



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.

01350140 MINE KILL NEAR NORTH BLENHEIM, NY

LOCATION.--Lat 42°25'44", long 74°28'24", Schoharie County, Hydrologic Unit 02020005, on left bank 200 ft upstream from bridge on State Highway 30, 0.6 mi upstream from mouth, and 3.0 mi southwest of North Blenheim.
DRAINAGE AREA.--16.2 mi^2.
PERIOD OF RECORD.--December 1974 to current year. Occasional discharge measurements, water years 1969-74.
REVISED RECORDS.--WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Concrete control since Sept. 23, 1975, reconstructed Nov. 1998. Elevation of gage is 1,060 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,550 ft^3/s, Jan. 19, 1996, gage height, 5.20 ft, from floodmarks, from rating curve extended above 560 ft^3/s on basis of step-backwater analysis of peak flow; maximum gage height since reconstruction, 5.21 ft, Dec. 17, 2001; minimum discharge, 0.10 ft^3/s, Aug. 27, 28, 29, 30, 1980; minimum gage height, 0.46 ft, Aug. 11, 12, 13, 1997; minimum gage height since reconstruction, 1.21 ft, Aug. 28, Sept. 8, 9, 10, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0100	a*314	*3.85				

a From rating curve extended above 140 ft^3/s on basis of step-backwater analysis.

Minimum discharge, 0.23 ft^3/s, Aug. 15, 16, Sept. 14, 15, gage height, 1.23 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.51	0.44	4.6	e0.94	83	13	66	63	15	3.5	e0.60	1.0
2	0.45	0.44	2.4	e0.92	64	14	52	53	11	3.6	e0.64	0.80
3	0.40	0.52	1.6	e0.90	38	19	50	46	9.3	2.6	1.3	0.61
4	0.41	0.57	1.3	e0.88	32	17	45	36	8.1	2.2	0.65	e1.3
5	0.41	0.73	1.1	e0.88	23	10	36	31	16	1.9	6.5	e1.0
6	0.40	0.78	1.0	e1.0	23	14	32	26	71	1.6	2.0	1.1
7	0.39	0.68	0.92	1.4	20	13	27	25	76	1.5	1.0	0.74
8	0.44	0.64	0.85	1.6	19	12	25	22	36	1.4	0.77	0.58
9	0.43	0.69	0.98	1.8	16	12	27	22	29	2.0	0.63	0.49
10	0.43	0.71	0.90	2.1	22	20	37	25	22	3.0	0.52	e0.40
11	0.41	0.68	0.97	2.6	116	14	26	18	17	1.6	0.44	0.36
12	0.36	0.62	0.94	2.7	52	14	22	28	15	1.3	0.38	0.30
13	0.34	0.58	1.3	2.5	36	13	21	104	14	1.1	0.31	0.27
14	0.34	0.61	2.3	2.3	29	13	25	139	e14	0.99	0.28	0.25
15	0.59	0.59	7.9	2.2	e26	12	59	93	e20	0.86	0.25	0.28
16	0.65	0.59	4.1	2.3	e24	13	35	62	e30	0.72	0.40	0.53
17	0.58	0.57	3.6	2.2	e22	12	29	60	e24	0.62	1.2	0.62
18	0.74	0.53	e16	2.1	20	12	35	108	e18	0.61	0.62	0.48
19	0.71	0.53	e7.4	e2.0	21	12	31	100	e14	0.93	0.40	0.37
20	0.60	0.66	e6.0	e1.9	19	14	28	e70	e10	1.2	0.38	0.32
21	0.55	0.74	5.2	e1.8	27	16	24	e60	e9.0	0.74	0.37	0.65
22	0.51	0.68	3.4	e1.8	25	17	23	48	9.6	0.61	0.32	8.2
23	0.48	0.60	3.3	2.1	19	16	23	40	12	3.4	0.41	4.3
24	0.54	0.59	6.2	12	16	15	19	34	8.0	2.1	1.2	1.8
25	0.58	0.73	e4.1	31	16	15	25	29	6.0	1.0	1.5	1.1
26	0.51	1.9	2.6	18	16	57	32	26	5.1	0.82	0.71	0.90
27	0.51	1.3	1.8	14	18	191	24	22	9.9	0.81	0.51	6.0
28	0.53	0.99	e1.5	e16	14	94	55	22	8.6	0.78	0.42	7.0
29	0.49	1.4	e1.3	28	---	85	87	20	5.0	0.78	1.9	3.0
30	0.48	2.1	e1.1	61	---	98	68	17	3.9	e0.70	2.1	1.8
31	0.44	---	e1.0	39	---	72	---	17	---	e0.64	0.99	---
TOTAL	15.21	23.19	97.66	259.92	856	949	1088	1466	546.5	45.61	29.70	46.55
MEAN	0.49	0.77	3.15	8.38	30.6	30.6	36.3	47.3	18.2	1.47	0.96	1.55
MAX	0.74	2.1	16	61	116	191	87	139	76	3.6	6.5	8.2
MIN	0.34	0.44	0.85	0.88	14	10	19	17	3.9	0.61	0.25	0.25
CFSM	0.03	0.05	0.19	0.52	1.89	1.89	2.24	2.92	1.12	0.09	0.06	0.10
IN.	0.03	0.05	0.22	0.60	1.97	2.18	2.50	3.37	1.25	0.10	0.07	0.11

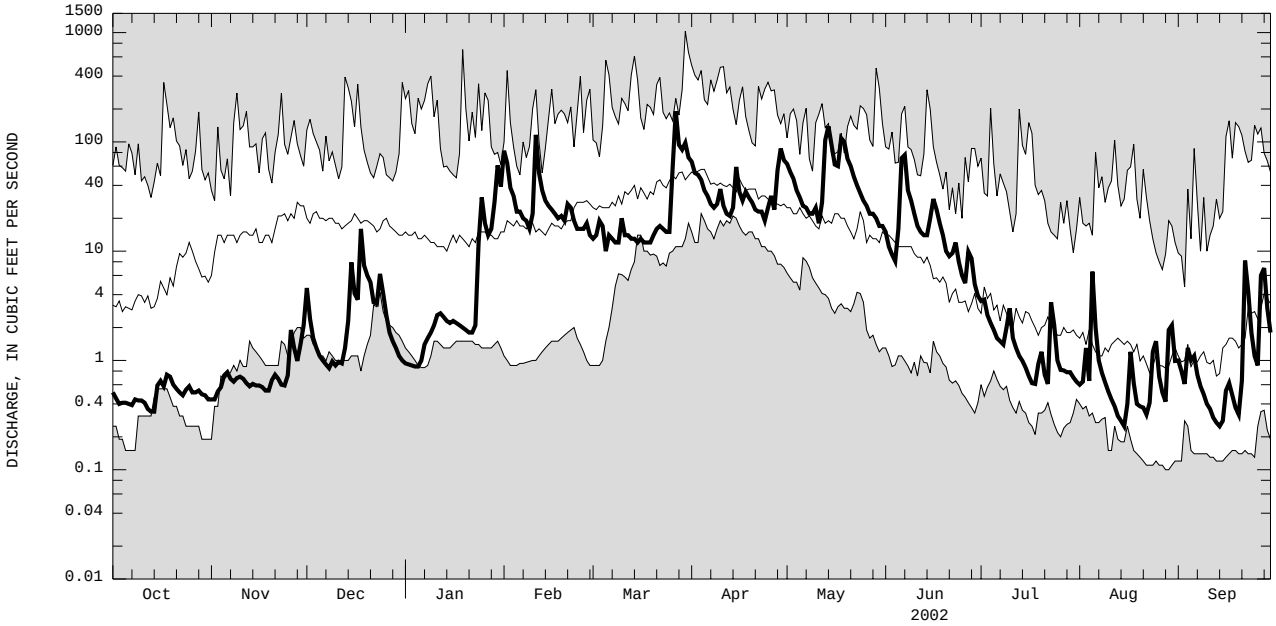
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

MEAN	12.8	20.7	24.2	25.8	30.4	53.3	59.2	30.6	14.8	6.05	3.63	5.99
MAX	67.3	48.6	59.7	74.3	86.5	126	242	76.9	45.8	31.6	16.5	42.3
(WY)	1978	1978	1978	1979	1981	1977	1993	1984	2000	1996	2000	1977
MIN	0.36	0.77	2.70	1.77	1.25	20.8	19.9	7.19	0.93	0.53	0.43	0.26
(WY)	1983	2002	1999	1981	1980	1989	1995	1995	1991	1993	1981	1982

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	5972.47		5423.34			
ANNUAL MEAN	16.4		14.9		23.9	
HIGHEST ANNUAL MEAN					40.9	1993
LOWEST ANNUAL MEAN					12.7	1985
HIGHEST DAILY MEAN	318	Apr 13	191	Mar 27	1030	Mar 30 1993
LOWEST DAILY MEAN	0.18	Sep 9	0.25	Aug 15	0.10	Aug 28 1980
ANNUAL SEVEN-DAY MINIMUM	0.22	Sep 7	0.34	Sep 9	0.11	Aug 24 1980
ANNUAL RUNOFF (CFSM)	1.01		0.92		1.47	
ANNUAL RUNOFF (INCHES)	13.71		12.45		20.03	
10 PERCENT EXCEEDS	34		38		56	
50 PERCENT EXCEEDS	3.0		2.6		12	
90 PERCENT EXCEEDS	0.40		0.47		0.88	

e Estimated

01350140 MINE KILL NEAR NORTH BLENHEIM, NY--Continued



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.

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY

LOCATION.--Lat 42°27'57", long 74°27'45", Schoharie County, Hydrologic Unit 02020005, on left bank 2,300 ft upstream from West Kill, and 1.2 mi upstream from bridge on State Highway 30 in North Blenheim.
DRAINAGE AREA.--358 mi^2.
PERIOD OF RECORD.--October 1970 to current year (January 20 to September 30, 1996, discharges only for days of mean flow less than or equal to 400 ft^3/s). Occasional measurements, water years 1969-70.
REVISED RECORDS.--WDR NY-87-1: 1984(M). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 800 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1971, at datum 1.00 ft higher.
REMARKS.--Records fair. Regulation of flow by Blenheim-Gilboa Pumped Storage Project immediately upstream from gage. Entire flow, runoff from 315 mi^2, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. For periods of spill see station 01350101. From January 19, 1996, through September 30, 1998, undetermined amounts of flow greater than about 400 ft^3/s bypassed the gage. From October 1, 1998, through September 30, 2000, undetermined amounts of flow greater than about 2,000 ft^3/s bypass the gage. Since October 1, 2000, undetermined amounts of flow greater than about 5,000 ft^3/s bypass the gage. Records for periods when flows bypass the gage are furnished by the New York Power Authority.
COOPERATION.--Records of flow greater than 5,000 ft^3/s provided by the New York Power Authority.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 75,600 ft^3/s, Jan. 19, 1996, gage height, 17.16 ft, outside gage height was 17.61 ft, from floodmark, from rating curve extended above 12,000 ft^3/s on basis of computation of peak flow through radial gates at gage heights 13.34 ft, 14.72 ft, and 16.70 ft from floodmarks; minimum, no flow, Oct. 12, 15, Oct. 16 to Nov. 1, Nov. 2, 1972, Sept. 12, 13, 14, 1973.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,030 ft^3/s, Mar. 27, gage height, 3.86 ft; minimum, 3.3 ft^3/s, Oct. 3, 4, 11, gage height, 0.80 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	4.4	5.2	4.5	8.4	20	126	120	31	8.8	8.4	7.5
2	4.7	4.4	4.5	4.5	8.5	17	156	103	28	9.2	8.5	7.8
3	3.8	4.4	5.2	4.6	6.6	16	81	79	23	13	8.4	8.6
4	3.4	3.9	5.3	4.8	8.2	21	61	53	23	16	8.2	e7.2
5	3.8	5.0	5.5	4.8	8.9	32	87	98	22	12	8.9	e7.8
6	4.2	5.9	5.3	5.5	8.9	31	34	35	159	8.0	7.8	9.2
7	3.8	5.3	4.5	9.3	9.0	11	37	19	237	7.8	8.0	8.9
8	4.7	5.7	3.9	4.9	9.1	10	83	12	81	8.3	7.8	8.1
9	4.7	4.3	5.3	4.1	9.0	9.8	91	95	40	9.8	7.6	7.4
10	4.6	4.6	5.4	4.2	13	33	68	13	54	8.9	7.9	5.2
11	3.5	4.0	5.4	4.3	152	37	76	34	67	8.6	7.4	5.4
12	3.6	4.8	5.4	4.1	167	46	36	56	76	8.7	7.8	5.7
13	3.6	5.3	4.4	5.1	65	23	40	243	38	8.7	8.1	5.7
14	4.3	4.7	4.7	5.3	56	19	62	364	20	8.1	8.0	5.8
15	5.4	4.6	5.1	5.5	54	16	103	186	37	7.8	8.2	5.5
16	4.6	4.9	4.6	5.7	e50	16	76	93	54	7.9	8.7	6.1
17	4.0	5.2	4.6	5.1	49	14	82	137	51	7.8	8.5	5.8
18	4.0	4.9	e5.4	4.2	36	28	76	218	57	8.6	7.9	6.1
19	5.1	4.6	e6.2	4.5	34	37	23	223	21	9.2	8.2	6.1
20	6.0	4.5	e5.2	4.6	35	19	44	125	18	8.6	8.6	6.1
21	5.6	4.5	4.8	4.4	41	19	70	121	28	7.9	7.9	6.5
22	5.9	4.6	5.2	4.2	44	38	93	126	16	7.9	7.9	8.7
23	5.6	5.5	4.8	4.4	40	68	38	131	45	9.8	8.4	40
24	4.3	5.7	4.5	5.3	33	57	26	78	13	8.6	8.9	7.8
25	4.6	6.3	5.2	6.0	30	31	34	45	e11	8.5	7.3	7.0
26	4.9	6.1	5.5	5.4	26	71	70	40	e9.4	8.9	7.7	6.0
27	4.7	6.0	4.2	5.1	26	461	52	49	e9.0	8.9	8.0	7.7
28	4.0	5.7	4.4	e6.4	32	150	94	59	9.9	8.1	8.5	6.6
29	3.7	5.2	4.7	7.0	---	218	200	90	9.1	8.7	9.5	5.6
30	3.9	4.8	4.6	8.3	---	193	136	45	8.2	8.3	8.6	6.3
31	4.2	---	4.2	6.0	---	130	---	46	---	8.1	8.2	---
TOTAL	138.1	149.8	153.2	162.1	1059.6	1891.8	2255	3136	1295.6	279.5	253.8	238.2
MEAN	4.45	4.99	4.94	5.23	37.8	61.0	75.2	101	43.2	9.02	8.19	7.94
MAX	6.0	6.3	6.2	9.3	167	461	200	364	237	16	9.5	40
MIN	3.4	3.9	3.9	4.1	6.6	9.8	23	12	8.2	7.8	7.3	5.2

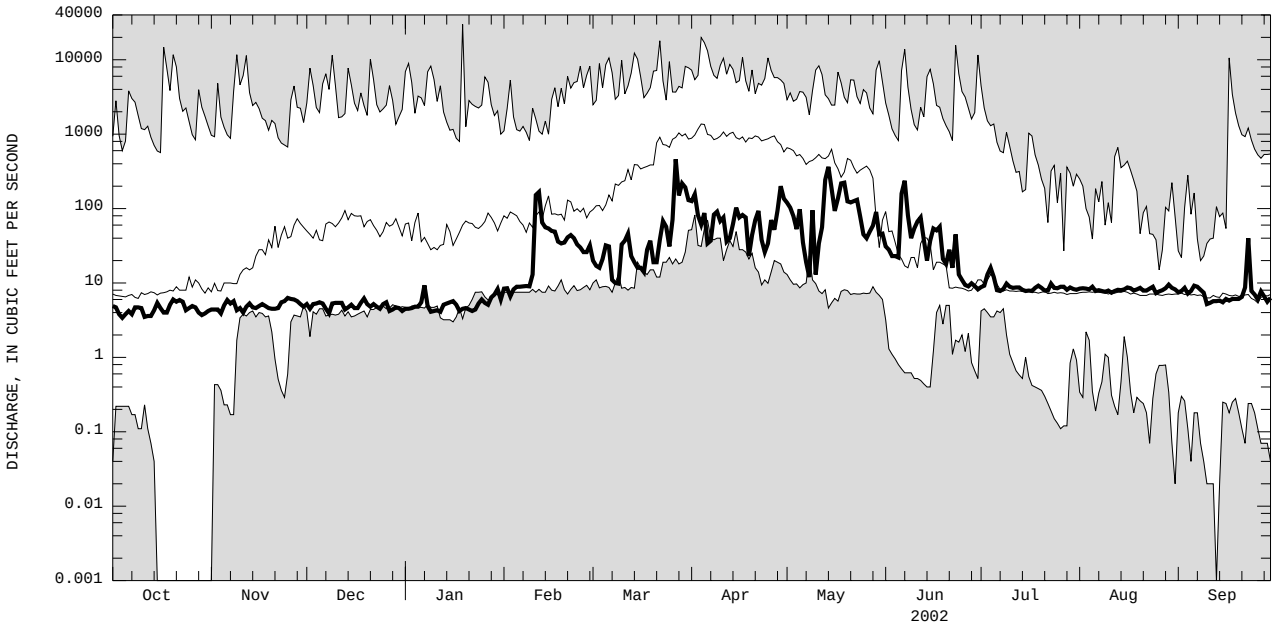
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2002, BY WATER YEAR (WY)

MEAN	176	281	358	333	349	854	1345	668	287	62.7	14.5	43.7
MAX	1474	1511	1796	1610	1468	2532	3685	1599	1561	452	128	803
(WY)	1978	1978	1997	1979	1976	1979	1987	1984	1972	1973	2000	1999
MIN	0.15	3.85	4.35	5.23	15.5	47.6	42.9	16.8	8.26	6.83	1.53	0.25
(WY)	1973	1999	1999	2002	1987	1989	1981	1995	1999	1977	1973	1973

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002	
ANNUAL TOTAL	103576.5		11012.7			
ANNUAL MEAN	284		30.2		394	
HIGHEST ANNUAL MEAN					834	1978
LOWEST ANNUAL MEAN					21.7	1985
HIGHEST DAILY MEAN	8660	Apr 13	461	Mar 27	29900	Jan 19 1996
LOWEST DAILY MEAN	3.2	Sep 16	3.4	Oct 4	0.00	Oct 15 1972
ANNUAL SEVEN-DAY MINIMUM	3.7	Sep 20	4.1	Oct 2	0.00	Oct 15 1972
10 PERCENT EXCEEDS	540		81		1100	
50 PERCENT EXCEEDS	8.0		8.4		28	
90 PERCENT EXCEEDS	4.2		4.5		4.9	

e Estimated

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY--Continued



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.
ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.

01350355 SCHOHARIE CREEK AT BREAKABEEN, NY

LOCATION.--Lat 42°32'13", long 74°24'39", Schoharie County, Hydrologic Unit 02020005, on left bank 100 ft downstream from bridge on State Highway 30, 0.9 mi north of Breakabeen, and 1.1 mi downstream from Keyser Kill.
DRAINAGE AREA.--444 mi^2.
PERIOD OF RECORD.--July 1975 to current year.
REVISED RECORDS.--WDR NY-81-1: 1980(M). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 686.79 ft above NGVD of 1929 (Soil Conservation Service Benchmark).
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Regulation of flow by Blenheim-Gilboa Pumped Storage Project. Entire flow, runoff from 315 mi^2, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. For periods of spill see station 01350101. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,200 ft^3/s, Jan. 19, 1996, gage height, 20.51 ft, outside gage height was 20.96 ft, from floodmarks, from rating curve extended above 20,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow at gage height about 19.5 ft; minimum discharge, 1.7 ft^3/s, Oct. 14, 1980; minimum gage height, 0.25 ft, Sept. 26, 1985.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,110 ft^3/s, Mar. 27, gage height, 5.15 ft; minimum, 6.7 ft^3/s, Sept. 11, gage height, 1.46 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	25	16	210	93	532	435	222	37	12	13
2	11	12	23	15	273	86	457	357	147	36	12	12
3	11	12	19	16	e150	98	356	311	120	32	14	12
4	10	12	18	15	135	114	282	229	106	33	13	14
5	9.2	13	17	16	106	86	283	238	116	31	16	14
6	9.4	14	16	16	102	103	198	176	715	25	16	13
7	10	14	15	17	e85	82	170	145	896	23	13	13
8	9.9	14	14	18	86	75	199	123	408	24	12	12
9	10	14	15	18	79	74	230	190	278	23	12	11
10	11	13	16	18	74	112	223	138	218	26	11	9.9
11	11	13	16	19	506	112	198	120	216	21	11	8.3
12	9.9	12	15	20	e320	112	147	152	202	19	9.8	8.4
13	9.8	13	16	19	263	94	137	703	161	18	9.6	8.4
14	9.6	13	17	20	e160	89	170	1370	125	17	9.8	8.3
15	12	13	30	20	e170	80	282	744	152	16	9.5	8.7
16	13	13	30	20	158	81	248	436	218	14	9.8	9.6
17	13	13	25	20	149	78	204	467	185	15	13	9.6
18	12	13	44	18	126	80	203	712	153	14	11	9.2
19	12	13	47	16	107	101	136	835	123	16	10	9.3
20	12	14	36	19	114	87	139	563	87	17	10	8.9
21	13	14	32	18	147	90	162	476	87	15	10	9.3
22	13	14	28	18	169	108	172	425	76	14	10	22
23	13	13	23	18	140	133	145	356	99	15	12	54
24	14	14	26	23	118	128	107	280	74	19	15	20
25	12	15	27	59	114	103	110	209	76	16	17	16
26	12	19	25	65	110	198	198	189	51	15	14	13
27	12	18	18	57	120	1890	134	173	57	15	12	17
28	12	17	18	57	114	744	228	179	69	14	12	24
29	12	18	21	67	---	729	651	209	50	14	15	20
30	12	19	e15	168	---	820	425	141	41	13	18	16
31	12	---	e14	159	---	578	---	188	---	12	15	---
TOTAL	353.8	421	701	1065	4405	7358	7126	11269	5528	619	384.5	423.9
MEAN	11.4	14.0	22.6	34.4	157	237	238	364	184	20.0	12.4	14.1
MAX	14	19	47	168	506	1890	651	1370	896	37	18	54
MIN	9.2	12	14	15	74	74	107	120	41	12	9.5	8.3

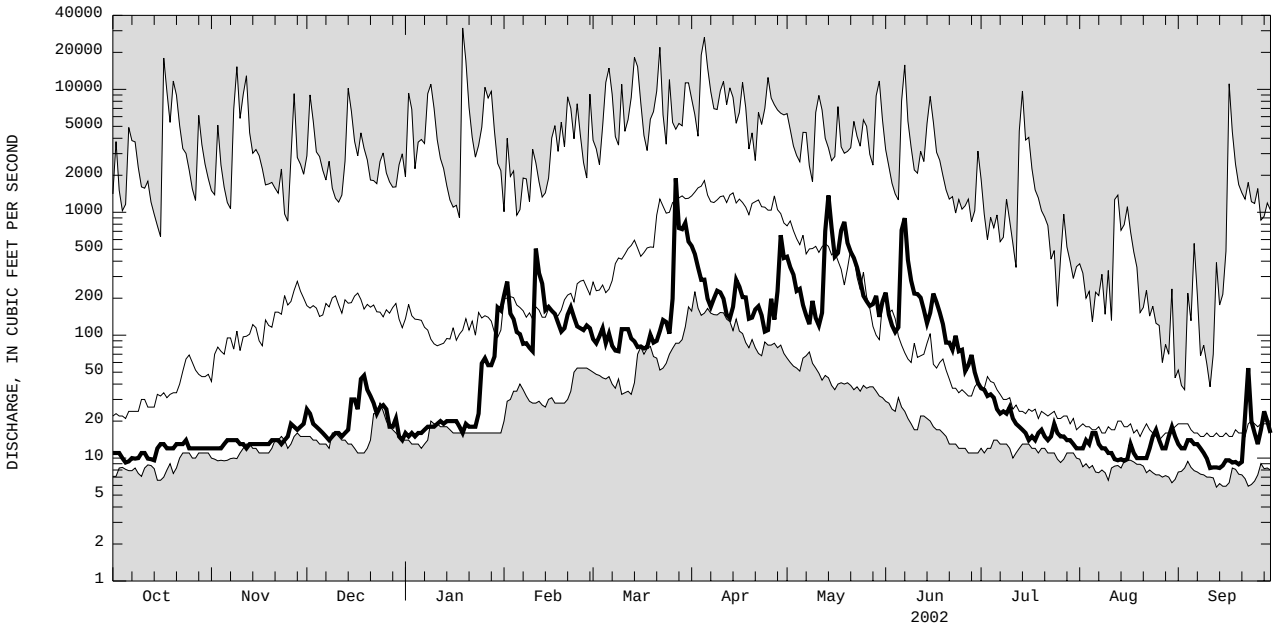
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

MEAN	303	448	426	512	487	1178	1725	840	358	109	36.0	81.1
MAX	1973	1909	2494	3311	1698	3354	4522	2206	1990	1145	292	1001
(WY)	1978	1978	1997	1996	1976	1979	1987	1996	2000	1996	2000	1999
MIN	10.8	12.3	17.4	18.8	59.1	164	141	63.6	18.6	14.0	9.83	9.54
(WY)	1983	1999	1999	1981	1992	1989	1981	1995	1991	1993	1980	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	147782.5		39654.2			
ANNUAL MEAN	405		109		541	
HIGHEST ANNUAL MEAN					1152	1996
LOWEST ANNUAL MEAN					89.9	1985
HIGHEST DAILY MEAN	10300	Apr 13	1890	Mar 27	31600	Jan 19 1996
LOWEST DAILY MEAN	6.9	Sep 13	8.3	Sep 11	5.8	Sep 13 1980
ANNUAL SEVEN-DAY MINIMUM	7.3	Sep 7	8.8	Sep 11	6.3	Sep 11 1980
10 PERCENT EXCEEDS	816		254		1470	
50 PERCENT EXCEEDS	30		23		95	
90 PERCENT EXCEEDS	10		11		14	

e Estimated

01350355 SCHOHARIE CREEK AT BREAKABEEN, NY--Continued



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.

01351500 SCHOHARIE CREEK AT BURTONSVILLE, NY

LOCATION.--Lat 42°48'00", long 74°15'48", Schenectady County, Hydrologic Unit 02020005, on right bank 0.4 mi south of Burtonsville, 2.7 mi north of Esperance, and 14.9 mi upstream from mouth.
DRAINAGE AREA.--886 mi^2.
PERIOD OF RECORD.--October 1939 to current year.
REVISED RECORDS.--WDR NY-82-1: 1981(average discharge). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 507.98 ft above NGVD of 1929.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Regulation of flow by Blenheim-Gilboa Pumped Storage Project. Entire flow, runoff from 315 mi^2, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. For days of reservoir outflow greater than 10 ft^3/s, see station 01350101. National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft^3/s, Jan. 20, 1996, gage height, 12.88 ft; minimum, 2.4 ft^3/s, Sept. 24, 25, 1964, gage height, 0.30 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of March 1936 and September 1938 reached stages of 10.5 and 10.2 ft, respectively, from information provided by local resident. However, flood of October 1903 is known to have reached a higher stage than the 1936 or 1938 flood.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,560 ft^3/s, Mar. 27, gage height, 4.01 ft; minimum, 12 ft^3/s, Oct. 8, 9, 10, 14, 16, 19, gage height, 0.51 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	18	46	e49	708	570	2320	1850	1020	203	30	63
2	23	18	49	e46	1400	512	1890	1520	709	174	35	51
3	21	18	56	43	913	552	1650	1460	578	151	38	42
4	19	16	56	41	725	712	1520	1140	489	132	46	39
5	17	17	48	39	587	537	1240	952	706	115	46	34
6	15	17	43	39	496	491	1080	883	6330	107	40	31
7	14	17	39	53	e460	502	915	717	4190	97	34	28
8	13	18	37	51	442	457	841	650	2180	85	32	25
9	12	20	41	49	414	451	847	616	1510	80	29	23
10	12	20	38	53	413	585	881	789	1140	79	25	22
11	13	22	35	59	1780	669	777	632	965	73	23	20
12	13	21	34	67	1480	560	676	585	784	69	21	16
13	13	21	34	76	1300	532	614	1740	711	62	20	14
14	13	20	38	75	726	499	625	5400	600	53	18	13
15	14	26	52	72	766	477	964	3270	655	49	17	24
16	13	23	77	68	745	454	1120	2040	975	44	16	41
17	14	21	101	66	731	439	816	1670	1000	42	16	30
18	14	19	106	62	628	420	745	2440	717	41	19	27
19	13	17	134	56	532	439	664	3550	570	49	20	22
20	15	20	156	56	549	516	594	2410	459	58	20	20
21	16	20	135	59	734	586	573	1850	394	78	21	18
22	16	22	116	58	1070	646	553	1560	352	67	20	33
23	16	28	98	57	890	575	582	1260	326	54	21	81
24	17	24	e90	68	673	619	500	1130	341	46	30	93
25	17	23	e84	197	633	600	473	1000	248	49	41	85
26	17	25	e78	360	615	899	800	843	220	52	44	64
27	17	28	e72	344	751	7270	728	772	222	47	38	61
28	18	33	e68	312	709	4070	912	734	736	43	32	77
29	29	37	e62	320	---	3290	2480	682	443	41	34	96
30	24	42	e58	538	---	3500	1940	624	267	38	38	90
31	19	---	52	889	---	2960	---	623	---	33	62	---
TOTAL	513	671	2133	4322	21870	35389	30320	45392	29837	2311	926	1283
MEAN	16.5	22.4	68.8	139	781	1142	1011	1464	995	74.5	29.9	42.8
MAX	29	42	156	889	1780	7270	2480	5400	6330	203	62	96
MIN	12	16	34	39	413	420	473	585	220	33	16	13

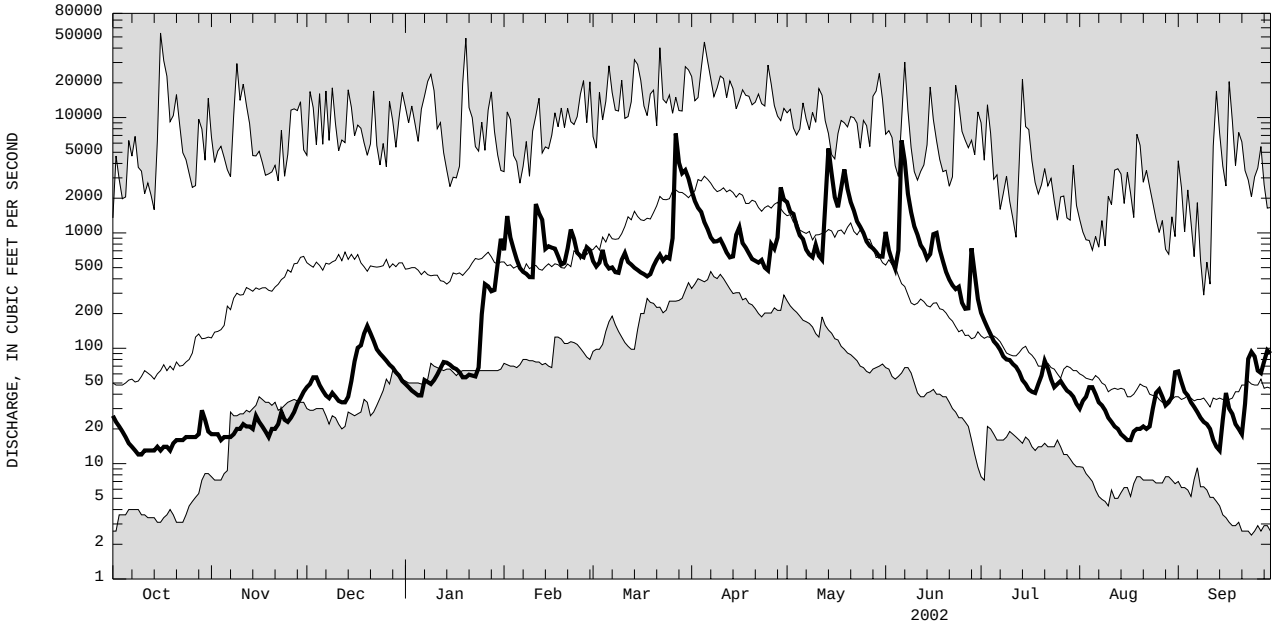
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	420	758	983	1010	1086	2359	3132	1566	680	237	122	177
MAX	5181	3414	4753	5089	4069	6627	8446	4045	3384	2312	1159	2330
(WY)	1956	1978	1997	1996	1976	1979	1993	1984	1972	1996	1955	1960
MIN	4.07	22.4	58.8	71.3	108	525	356	140	48.8	19.4	8.26	4.90
(WY)	1965	2002	1999	1981	1940	1981	1946	1941	1964	1959	1965	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1940 - 2002	
ANNUAL TOTAL	340404		174967			
ANNUAL MEAN	933		479		1042	
HIGHEST ANNUAL MEAN					2014	1996
LOWEST ANNUAL MEAN					320	1965
HIGHEST DAILY MEAN	22900	Apr 10	7270	Mar 27	54100	Oct 16 1955
LOWEST DAILY MEAN	10	Sep 13	12	Oct 9	2.4	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	12	Sep 8	13	Oct 8	2.6	Sep 21 1964
10 PERCENT EXCEEDS	1890		1130		2710	
50 PERCENT EXCEEDS	143		78		327	
90 PERCENT EXCEEDS	16		18		31	

e Estimated

01351500 SCHOHARIE CREEK AT BURTONSVILLE, NY--Continued



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.

01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY
(National water-quality assessment program station)

LOCATION.--Lat 42°47'00", long 73°51'27", Schenectady County, Hydrologic Unit 02020004, on left bank 20 ft downstream from culvert on U.S. Route 7, 1.0 mi upstream from mouth, and 5.6 mi east of Schenectady. Water-quality sampling site at discharge station.
DRAINAGE AREA.--15.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1993 to September 1997, October 2000 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 250 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those below 12.0 ft^3/s and those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 662 ft^3/s, Jan. 19, 1996, from rating curve extended above 150 ft^3/s; maximum gage height, 6.36 ft, Jan. 19, 1996 (ice jam); minimum discharge, 0.02 ft^3/s, part of each day Aug. 31, Sept. 9-13, 18-20, Oct. 6, 2001; minimum gage height, 0.05 ft, Aug. 28, 31, 1995.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 230 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0330	*266	*3.22	May 13	2045	253	3.14

Minimum discharge, 0.02 ft^3/s, Oct. 6, gage height, 0.22 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	1.6	6.3	1.8	22	6.4	23	17	13	7.2	0.88	2.8
2	0.09	1.4	2.7	1.9	30	5.4	15	19	9.3	6.2	1.6	2.3
3	0.08	1.5	2.1	2.1	11	11	14	14	7.3	5.1	4.1	2.0
4	0.07	1.5	2.0	2.2	8.1	7.5	13	8.7	6.2	4.2	1.4	2.4
5	0.05	2.3	1.9	2.5	5.7	4.8	10	7.4	24	3.4	1.1	1.7
6	0.21	1.2	1.8	2.5	4.5	4.4	11	6.7	127	3.0	0.87	1.5
7	0.56	1.1	1.7	e2.0	4.3	4.6	9.7	6.3	50	2.9	0.68	1.3
8	0.51	e1.0	1.6	e2.5	4.9	4.6	8.7	5.9	18	2.8	0.67	1.1
9	0.51	e0.98	2.4	3.4	5.8	4.6	10	7.0	13	4.1	0.65	1.1
10	0.52	e0.94	2.9	4.8	8.7	28	19	6.8	9.5	4.8	0.64	1.00
11	0.54	e0.92	2.4	12	84	9.5	10	4.7	8.9	2.7	0.60	0.92
12	0.53	e0.96	2.5	e8.0	32	6.8	8.2	16	9.9	2.3	0.55	0.77
13	0.53	e1.1	5.1	e5.4	15	6.2	8.0	114	8.2	2.1	0.55	0.77
14	0.56	e1.0	6.6	e3.7	14	5.7	9.0	126	7.7	2.5	6.3	0.74
15	3.7	e0.96	16	e3.4	10	4.9	35	48	20	2.8	4.9	12
16	1.3	e1.1	4.4	e3.2	12	5.3	16	24	47	2.2	9.5	35
17	3.7	e1.0	5.0	e3.0	11	4.3	10	17	33	1.9	11	5.1
18	1.2	e0.96	22	e2.9	7.9	6.0	7.8	82	22	1.8	4.1	2.2
19	0.85	e0.92	7.7	e2.9	6.0	8.6	6.9	57	10	1.8	2.1	1.6
20	0.81	e1.1	4.5	e2.9	7.3	16	6.1	26	7.6	2.8	1.6	1.4
21	0.75	e1.3	3.3	e2.9	18	37	5.3	19	6.1	1.7	1.3	4.1
22	0.79	e1.1	2.9	e2.9	13	28	6.1	16	5.8	1.6	1.2	54
23	0.79	e0.96	2.3	e3.0	7.5	12	7.7	14	6.7	4.4	2.5	8.6
24	0.92	e0.92	3.4	24	5.5	13	5.5	13	6.3	3.1	14	4.1
25	1.3	e1.4	2.8	26	5.2	16	12	11	4.7	2.1	6.7	2.6
26	0.99	7.1	2.2	10	5.6	46	17	11	4.3	1.6	3.0	2.2
27	0.79	2.1	e2.0	8.8	30	152	8.1	11	47	1.4	2.0	13
28	0.75	1.8	e1.9	7.1	11	50	33	9.4	95	1.4	1.4	7.4
29	0.74	8.7	e1.8	6.2	---	27	50	17	26	1.5	28	3.5
30	0.76	4.4	e1.8	16	---	19	23	13	9.9	1.2	12	2.7
31	0.86	---	e1.8	8.6	---	15	---	14	---	0.99	4.4	---
TOTAL	25.88	53.32	127.8	188.6	400.0	569.6	418.1	761.9	663.4	87.59	130.29	179.90
MEAN	0.83	1.78	4.12	6.08	14.3	18.4	13.9	24.6	22.1	2.83	4.20	6.00
MAX	3.7	8.7	22	26	84	152	50	126	127	7.2	28	54
MIN	0.05	0.92	1.6	1.8	4.3	4.3	5.3	4.7	4.3	0.99	0.55	0.74
CFSM	0.05	0.11	0.26	0.39	0.92	1.18	0.89	1.58	1.42	0.18	0.27	0.38
IN.	0.06	0.13	0.30	0.45	0.95	1.36	1.00	1.82	1.58	0.21	0.31	0.43

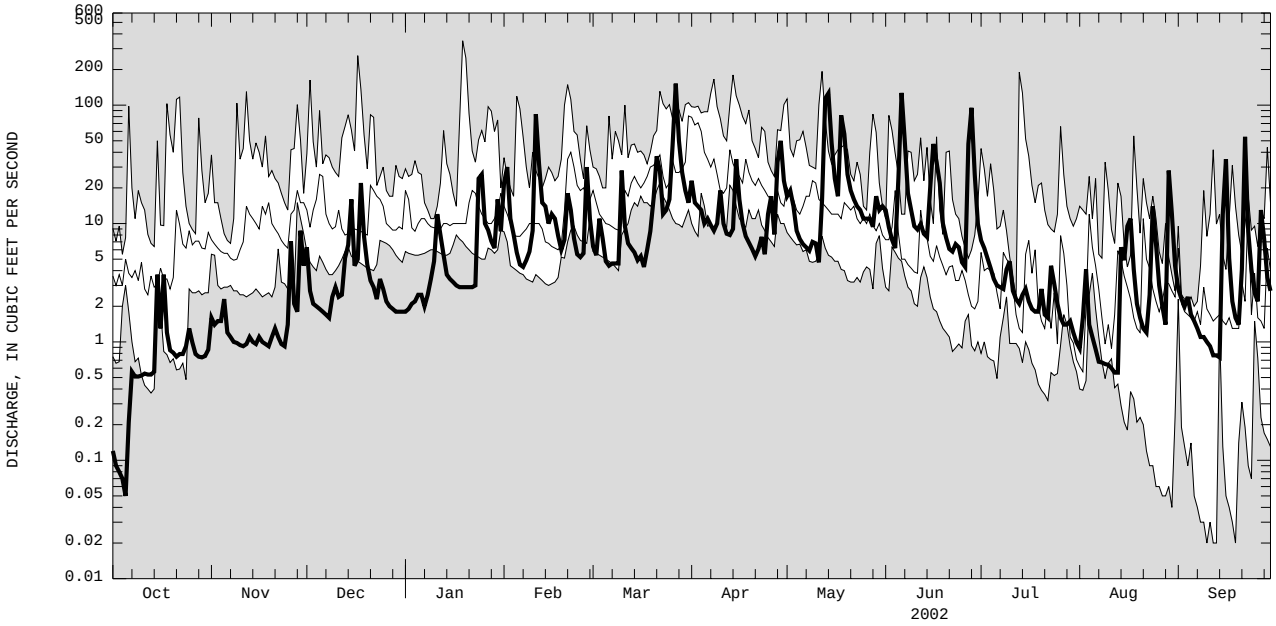
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	8.83	12.6	17.1	17.7	18.5	28.3	34.2	19.8	11.7	7.28	4.70	4.20
MAX	21.0	22.9	37.3	44.1	34.2	41.8	61.5	41.5	22.1	25.5	8.53	9.07
(WY)	1996	1996	1997	1996	1997	1994	1994	1996	2002	1996	1996	1996
MIN	0.83	1.78	4.12	6.08	7.03	18.4	12.3	5.58	3.76	1.48	1.41	0.82
(WY)	2002	2002	2002	2002	1995	2002	1995	1995	1997	1995	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	4730.45		3606.38			
ANNUAL MEAN	13.0		9.88		15.4	
HIGHEST ANNUAL MEAN					23.1	1996
LOWEST ANNUAL MEAN					7.74	1995
HIGHEST DAILY MEAN	166	Apr 8	152	Mar 27	350	Jan 19 1996
LOWEST DAILY MEAN	0.02	Sep 10	0.05	Oct 5	0.02	Sep 10 2001
ANNUAL SEVEN-DAY MINIMUM	0.03	Sep 7	0.17	Oct 1	0.03	Sep 7 2001
ANNUAL RUNOFF (CFSM)	0.83		0.63		0.99	
ANNUAL RUNOFF (INCHES)	11.28		8.60		13.41	
10 PERCENT EXCEEDS	38		22		36	
50 PERCENT EXCEEDS	5.0		4.6		7.8	
90 PERCENT EXCEEDS	0.18		0.90		1.2	

e Estimated

01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY--Continued
(National water-quality assessment program station)



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.

01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993-97, October 2000 to current year.
CHEMICAL DATA: 1993 (c), 1994-95 (e), 2001-02 (d).
MINOR ELEMENTS DATA: 1993 (a).
PESTICIDE DATA: 1993 (a), 1994 (d), 1995 (e), 2001 (d), 2002 (c).
ORGANIC DATA: OC--1993 (c), 1994-95 (e).
PCB--1993 (a).
PCN--1993 (a).
NUTRIENT DATA: 1993 (c), 1994-95 (e), 2001-02 (d).
BIOLOGICAL DATA:
Bacteria--1993 (a).
Benthic invertebrate--1993-95 (a).
Fish community--1993-95 (a).
Phytoplankton--1993 (a).
SEDIMENT DATA: 1993 (c), 1994-95 (e), 2001-02 (d).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: August 1993 to September 1997.
REMARKS.--A sampling method code of 10 indicates an equal-width increment sample, 70 indicates a grab sample.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum recorded (water years 1994-97), 28.5°C, July 14, 15, Aug. 1, 1995; minimum (water years 1994-97), 0.0°C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT													
02...	1155	.08	70	758	10.5	103	8.1	1020	21.0	--	184	182	52.5
DEC													
05...	1130	1.8	70	767	11.8	98	7.8	872	19.0	7.5	161	141	68.9
JAN													
03...	0950	2.0	70	762	13.2	91	7.8	1260	1.0	.0	240	230	90.7
FEB													
06...	1100	4.3	70	768	14.2	96	7.7	1380	3.5	.0	247	288	81.1
MAR													
06...	1055	4.3	10	764	15.7	108	7.8	1060	4.0	.5	153	202	72.6
28...	0935	54	10	763	12.6	92	7.5	734	12.0	2.5	103	131	54.8
MAY													
02...	1200	20	10	748	11.4	98	7.8	817	9.0	9.0	169	134	48.8
JUN													
04...	0545	6.0	70	767	8.6	84	7.8	948	11.0	14.0	192	156	46.3
*04...	0546	6.0	70	767	8.6	84	7.8	948	11.0	14.0	194	157	46.2
JUL													
01...	0815	7.2	10	761	7.5	85	7.8	878	26.5	21.0	203	140	37.1
02...	0830	6.6	10	--	--	--	--	--	--	--	--	--	--
AUG													
05...	1000	1.1	70	763	--	--	8.0	917	26.5	23.5	155	151	33.7

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)
OCT													
02...	<.04	.30	.33	.23	<.006	.019	E.01	.032	<.002	--	--	<.004	--
DEC													
05...	<.04	.18	.22	E.04	<.008	.009	<.02	.009	<.002	<.05	<.05	<.004	<.05
JAN													
03...	<.04	.23	.21	.48	E.004	.005	<.02	.010	--	--	--	--	--
FEB													
06...	E.03	.19	.23	.49	<.008	E.004	<.02	.011	<.006	<.05	<.05	<.006	<.05
MAR													
06...	<.04	.18	.20	.28	<.008	.005	<.02	.013	--	--	--	--	--
28...	<.04	.26	.35	.55	<.008	.013	<.02	.038	<.006	--	--	<.006	--
MAY													
02...	<.04	.28	.39	.18	E.004	.007	<.02	.011	<.006	--	--	<.006	--
JUN													
04...	.05	.31	.38	.39	.023	.016	<.02	.036	<.006	--	--	<.006	--
*04...	.06	.31	.38	.39	.024	.016	<.02	.036	<.006	--	--	<.006	--
JUL													
01...	E.02	.35	.41	.53	.011	.029	.02	.059	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	<.006	--	--	<.006	--
AUG													
05...	--	--	--	--	--	--	--	--	<.006	--	--	<.006	--

* Replicate
E Estimated

01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	ALA-CHLOR ESA WAT FLT GF 0.7U REC (UG/L) (50009)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)
OCT													
02...	--	<.002	<.005	<.007	<.010	<.002	E.008	<.020	<.005	<.018	<.003	<.006	.040
DEC													
05...	<.05	<.002	<.005	<.007	<.010	<.002	E.005	<.020	<.005	<.018	<.003	<.006	.009
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<.05	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
MAR													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	<.004	<.005	<.007	<.010	<.002	E.006	<.020	<.005	<.018	<.003	<.006	.006
MAY													
02...	--	<.004	<.005	<.007	<.010	<.002	E.017	<.020	<.005	<.018	<.003	<.006	.056
JUN													
04...	--	<.004	<.005	.010	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.007	.012
*04...	--	<.004	<.005	.009	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.008	.015
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
02...	--	<.004	<.005	.011	<.010	<.002	E.017	<.020	<.005	<.018	<.003	E.006	.034
AUG													
05...	--	<.004	<.005	.009	<.010	<.002	E.038	<.020	<.005	<.018	<.003	<.006	.049

Date	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DIMETH-ENAMID OA, WATER FLT, REC (UG/L) (62482)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUFEN-ACET, ESA, WAT FLT (UG/L) (61952)	FLUFE-NACET OA, WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
OCT													
02...	<.005	--	--	<.02	<.002	<.009	<.005	--	--	<.003	<.004	<.035	E.013
DEC													
05...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
MAR													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.005	--	--	<.02	<.002	<.009	<.005	--	--	<.003	<.004	<.035	<.027
MAY													
02...	<.005	--	--	<.02	<.002	<.009	<.005	--	--	<.003	<.004	<.035	<.027
JUN													
04...	<.005	--	--	<.02	<.002	<.009	<.005	--	--	<.003	<.004	<.035	<.027
*04...	<.005	--	--	<.02	<.002	<.009	<.005	--	--	<.003	<.004	<.035	<.027
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
02...	<.005	--	--	<.02	<.002	<.009	<.005	--	--	<.003	<.004	<.035	<.027
AUG													
05...	<.005	--	--	<.02	<.002	<.009	<.005	--	--	<.003	<.004	<.035	<.027

Date	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT													
02...	<.050	<.006	--	--	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
DEC													
05...	<.050	<.006	<.05	<.05	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<.050	<.006	<.05	<.05	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
MAR													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.050	<.006	--	--	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
MAY													
02...	<.050	<.006	--	--	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
JUN													
04...	<.050	<.006	--	--	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
*04...	<.050	<.006	--	--	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
02...	<.050	<.006	--	--	E.006	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
AUG													
05...	<.050	<.006	--	--	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006

E Estimated
* Replicate

01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT													
02...	<.011	E.01	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
DEC													
05...	<.011	E.01	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<.011	M	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MAR													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.011	M	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MAY													
02...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
JUN													
04...	<.011	E.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
*04...	<.011	E.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
02...	<.011	E.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
AUG													
05...	<.011	E.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009

Date	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT		
02...	89	4.0
DEC		
05...	67	5.0
JAN		
03...	83	17
FEB		
06...	83	2.0
MAR		
06...	90	5.0
28...	96	11
MAY		
02...	96	4.0
JUN		
04...	78	17
*04...	90	14
JUL		
01...	95	19
02...	--	--
AUG		
05...	93	6.0

E Estimated
M Presence verified, not quantified
* Replicate

01357500 MOHAWK RIVER AT COHOES, NY
(National water-quality assessment program station)

LOCATION.--Lat 42°47'07", long 73°42'29", Albany County, Hydrologic Unit 02020004, on right bank at Orion Power New York School Street powerplant in Cohoes, and 2.0 mi upstream from mouth. Water-quality sampling site at bridge on State Highway 32, 0.75 mi below gage.
DRAINAGE AREA.--3,450 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1917 to current year. Prior to July 17, 1925, published as "at Crescent Dam".
REVISED RECORDS.--WSP 1302: 1919-23 (M). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 49.13 ft above NGVD of 1929. Dec. 1, 1917, to July 16, 1925, water-stage recorder at site 1.7 mi upstream at Crescent Dam at datum 130.87 ft higher. July 17 to Oct. 19, 1925, powerplant gage at present site.
REMARKS.--No estimated daily discharges. Records fair except those below 1,000 ft^3/s, which are poor. Total flow of Mohawk River equals flow published at Cohoes which includes small diversion for Cohoes water supply, plus flow diverted at Cresent Dam to Barge Canal through Lock 6 (see 01357499 Diversion from Mohawk River at Crescent Dam). Prior to 1926 records published as total flow. See Diversions in Hudson River Basin for regulation and diversions upstream from this station. Telephone gage-height telemeter at station.
COOPERATION.--Diversions through Barge Canal at Lock 6 provided by New York State Department of Transportation.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 143,000 ft^3/s, Mar. 6, 1964, result of release from ice jam, gage height, 23.15 ft; minimum discharge (water years 1918-90), 6 ft^3/s, Sept. 18, 1941, gage height, 3.40 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--An extreme flood occurred sometime from 1860-65 with a depth of 12 ft on the Cohoes dam and a peak discharge estimated to be at least 200,000 ft^3/s (from New York State Museum Bulletin 85).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 41,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 14	1315	*42,800	*16.72	No other peak greater than base discharge.			

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

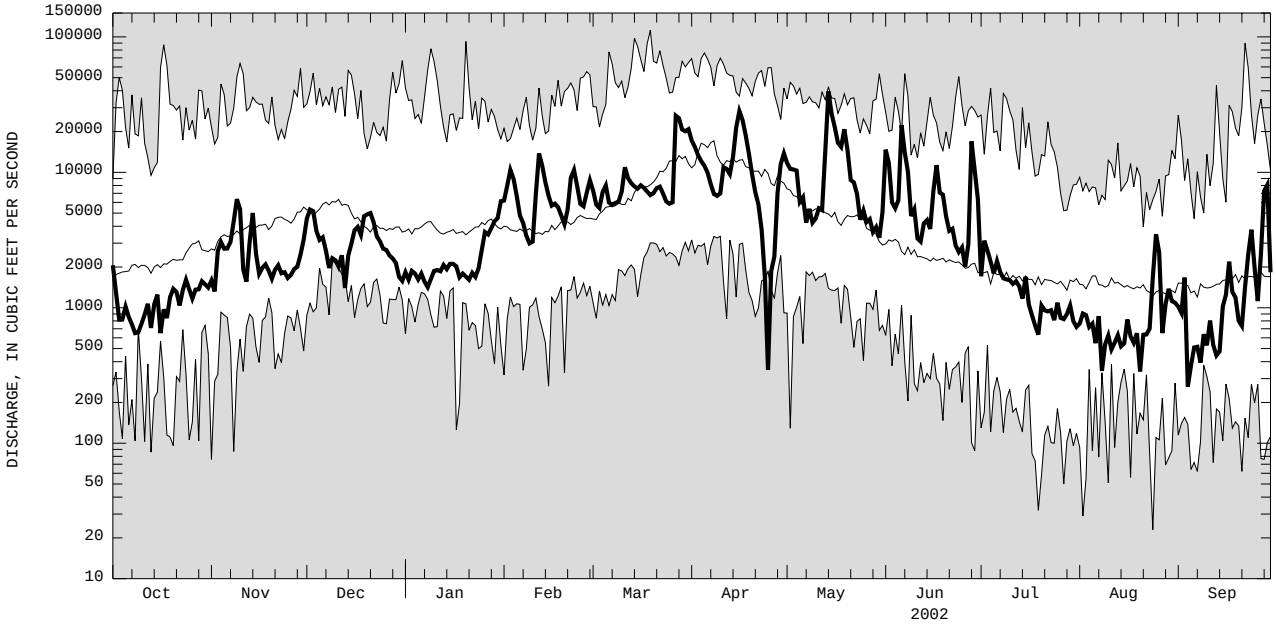
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2060	1590	4560	1830	6190	7350	17200	11700	14700	1710	765	1020
2	1290	1320	5310	1610	7960	5770	15400	10600	11700	3130	907	917
3	818	2620	5160	1870	10400	5450	13400	10500	6000	2650	884	1670
4	820	3060	3700	1790	8920	7140	12100	10300	5430	2190	722	262
5	1020	2730	3170	1620	6680	7990	11200	6050	6230	1790	764	374
6	855	2740	3310	1790	4800	5980	9940	6550	22300	2210	548	509
7	754	3070	2640	1560	4220	5740	8190	4250	14000	1840	868	515
8	650	4350	1970	1420	3410	5940	6920	5370	10100	1650	342	394
9	659	6340	2320	1630	2990	6050	6700	4250	4760	1620	537	638
10	762	5340	2240	1870	3080	7210	6990	4560	5330	1600	624	528
11	891	1920	2010	1900	6910	10900	10900	5420	3250	1500	493	804
12	1070	1560	2440	1860	13800	9050	10600	5260	3080	1570	552	531
13	710	3040	1400	2070	11200	8320	9700	14100	4200	1440	627	445
14	1060	5010	2420	1930	8450	7870	13000	39500	4440	1170	520	477
15	1250	2520	2970	2110	6720	7580	21400	27100	3820	1690	546	1020
16	650	1780	3740	2110	5680	8020	28300	21500	7260	1060	819	1250
17	974	1970	3950	2020	5870	7670	24300	16500	11300	882	614	2190
18	841	2090	3450	1680	5520	7210	18700	15400	7080	739	552	1310
19	1200	1880	4740	1790	4790	6790	13700	20800	6840	634	649	1190
20	1380	1640	4900	1700	4140	7030	9690	14600	4730	1040	339	801
21	1310	1910	5000	1610	5320	7650	7130	8780	3700	958	632	735
22	1040	2060	4280	1810	9070	7830	5770	8420	3830	940	636	1420
23	1350	1800	3370	1690	10400	6970	3760	6900	2890	960	701	2470
24	1610	1830	3090	1960	7910	6100	1710	4470	2580	811	1670	3770
25	1370	1660	2730	2670	5850	5860	349	5230	2790	1090	3490	1980
26	1170	1750	2670	3620	5620	6010	1860	4290	2010	843	2560	1120
27	1360	1930	2430	3480	7060	26200	2390	4510	2950	825	650	2500
28	1370	2010	2310	3880	8740	25100	7030	3620	16900	899	1060	7290
29	1570	2460	2140	4350	---	20700	11500	3940	10300	1040	1380	8070
30	1490	3180	1690	4600	---	20100	13800	3290	6310	797	1120	1830
31	1410	---	1580	6120	---	20800	---	5080	---	722	1090	---
TOTAL	34764	77160	97690	71950	191700	298380	323629	312840	210810	42000	27661	48030
MEAN	1121	2572	3151	2321	6846	9625	10790	10090	7027	1355	892	1601
MAX	2060	6340	5310	6120	13800	26200	28300	39500	22300	3130	3490	8070
MIN	650	1320	1400	1420	2990	5450	349	3290	2010	634	339	262

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2002, BY WATER YEAR (WY)

MEAN	3306	5420	6256	5707	5784	11090	13910	6862	3640	2341	1716	2269
MAX	13950	14090	16340	16400	15810	28580	32280	17320	14290	8779	5138	9345
(WY)	1978	1928	1997	1998	1976	1936	1993	1943	1972	1935	2000	1938
MIN	731	842	1841	1017	1314	3723	3530	1835	1121	671	605	740
(WY)	1965	1931	1931	1931	1931	1940	1995	1995	1941	1941	1941	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1926 - 2002	
ANNUAL TOTAL	1891311		1736614			
ANNUAL MEAN	5182		4758		5684	
HIGHEST ANNUAL MEAN					8270	1972
LOWEST ANNUAL MEAN					3017	1965
HIGHEST DAILY MEAN	69700	Apr 10	39500	May 14	112000	Mar 19 1936
LOWEST DAILY MEAN	129	May 2	262	Sep 4	23	Aug 24 1941
ANNUAL SEVEN-DAY MINIMUM	592	Sep 15	460	Sep 4	458	Aug 24 1995
10 PERCENT EXCEEDS	10200		10900		13100	
50 PERCENT EXCEEDS	2830		2670		3320	
90 PERCENT EXCEEDS	828		737		1130	

01357500 MOHAWK RIVER AT COHOES, NY--Continued
(National water-quality assessment program station)



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.

01357500 MOHAWK RIVER AT COHOES, NY--Continued

(01357499) Diversion, in cubic feet per second, from Mohawk River at Crescent Dam through Barge Canal at lock 6

REVISED RECORDS.--WDR NY-96-1: 1995.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	97	3.0	3.0	3.0	3.0	3.0	73	109	139	121	181
2	121	121	3.0	3.0	3.0	3.0	3.0	73	121	133	109	133
3	169	79	3.0	3.0	3.0	3.0	3.0	85	121	127	139	127
4	127	79	3.0	3.0	3.0	3.0	3.0	79	139	175	151	109
5	115	91	3.0	3.0	3.0	3.0	3.0	73	115	151	133	133
6	139	73	3.0	3.0	3.0	3.0	3.0	121	91	181	133	175
7	109	73	3.0	3.0	3.0	3.0	3.0	115	121	187	109	181
8	109	79	3.0	3.0	3.0	3.0	3.0	133	187	109	121	175
9	115	73	3.0	3.0	3.0	3.0	3.0	109	169	145	157	139
10	91	91	3.0	3.0	3.0	3.0	3.0	121	139	127	169	127
11	103	73	3.0	3.0	3.0	3.0	3.0	115	115	175	187	97
12	115	73	3.0	3.0	3.0	3.0	3.0	115	103	169	139	109
13	109	73	3.0	3.0	3.0	3.0	3.0	109	145	181	121	121
14	121	79	3.0	3.0	3.0	3.0	3.0	73	127	127	115	151
15	115	3.0	3.0	3.0	3.0	3.0	3.0	73	127	157	121	133
16	133	3.0	3.0	3.0	3.0	3.0	3.0	91	115	133	145	139
17	85	3.0	3.0	3.0	3.0	3.0	85	79	121	157	151	97
18	121	3.0	3.0	3.0	3.0	3.0	79	109	139	133	121	127
19	97	3.0	3.0	3.0	3.0	3.0	73	145	121	157	145	121
20	109	3.0	3.0	3.0	3.0	3.0	73	103	109	169	127	157
21	85	3.0	3.0	3.0	3.0	3.0	73	127	121	199	127	139
22	151	3.0	3.0	3.0	3.0	3.0	73	121	127	139	97	127
23	91	3.0	3.0	3.0	3.0	3.0	73	121	115	103	139	133
24	91	3.0	3.0	3.0	3.0	3.0	73	139	145	127	109	109
25	97	3.0	3.0	3.0	3.0	3.0	91	109	109	151	169	109
26	121	3.0	3.0	3.0	3.0	3.0	79	121	133	145	121	139
27	85	3.0	3.0	3.0	3.0	3.0	73	115	121	151	91	109
28	91	3.0	3.0	3.0	3.0	3.0	73	139	109	133	139	121
29	97	3.0	3.0	3.0	---	3.0	79	97	169	157	109	133
30	79	3.0	3.0	3.0	---	3.0	73	157	139	139	133	127
31	91	---	3.0	3.0	---	3.0	---	115	---	175	181	---
TOTAL	3403	1202.0	93.0	93.0	84.0	93.0	1118.0	3355	3822	4651	4129	3978
MEAN	110	40.1	3.00	3.00	3.00	3.00	37.3	108	127	150	133	133
MAX	169	121	3.0	3.0	3.0	3.0	91	157	187	199	187	181
MIN	79	3.0	3.0	3.0	3.0	3.0	3.0	73	91	103	91	97

Statistics and hydrograph for Diversion (01357499) located on next page

01357500 MOHAWK RIVER AT COHOES, NY

REGULATION
(see Reservoirs in Hudson River Basin)

Delta Dam.
Hinckley Reservoir.
Schoharie Reservoir.

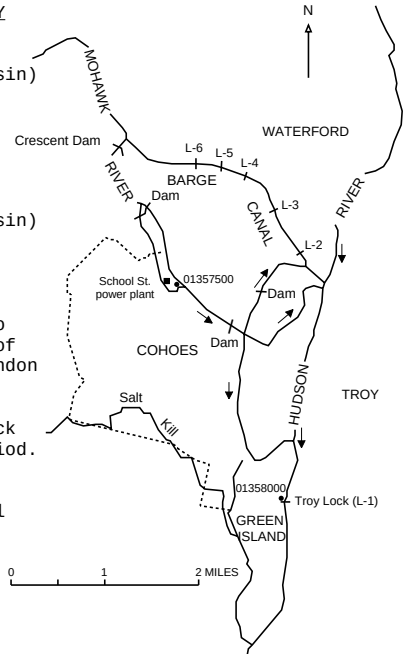
DIVERSIONS
(see Reservoirs in Hudson River Basin)

From Chenango River basin through Oriskany Creek Feeder.

From (and occasionally into) Oswego River basin through summit level of Erie (Barge) Canal between New London and Utica.

From Black River basin through Black River Canal during navigation period.

Into Esopus Creek from Schoharie Reservoir through Shandaken Tunnel for New York City water supply.



01358000 HUDSON RIVER AT GREEN ISLAND, NY

REGULATION

Great Sacandaga Lake at Conklinville (see station 01323500)
Indian Lake near Indian Lake (see station 01314500).
Mohawk River regulation listed under Mohawk River at Cohoes.

DIVERSIONS

Mohawk River diversions listed under Mohawk River at Cohoes.

Into St. Lawrence River basin through:
Glens Falls Feeder at Dunham Basin.
Bond Creek at Dunham Basin.
Champlain (Barge) Canal.

From St. Lawrence River basin through summit level of Champlain (Barge) Canal at Dunham Basin.

Figure 9.--Gaging stations and diversions near mouth of Mohawk River.

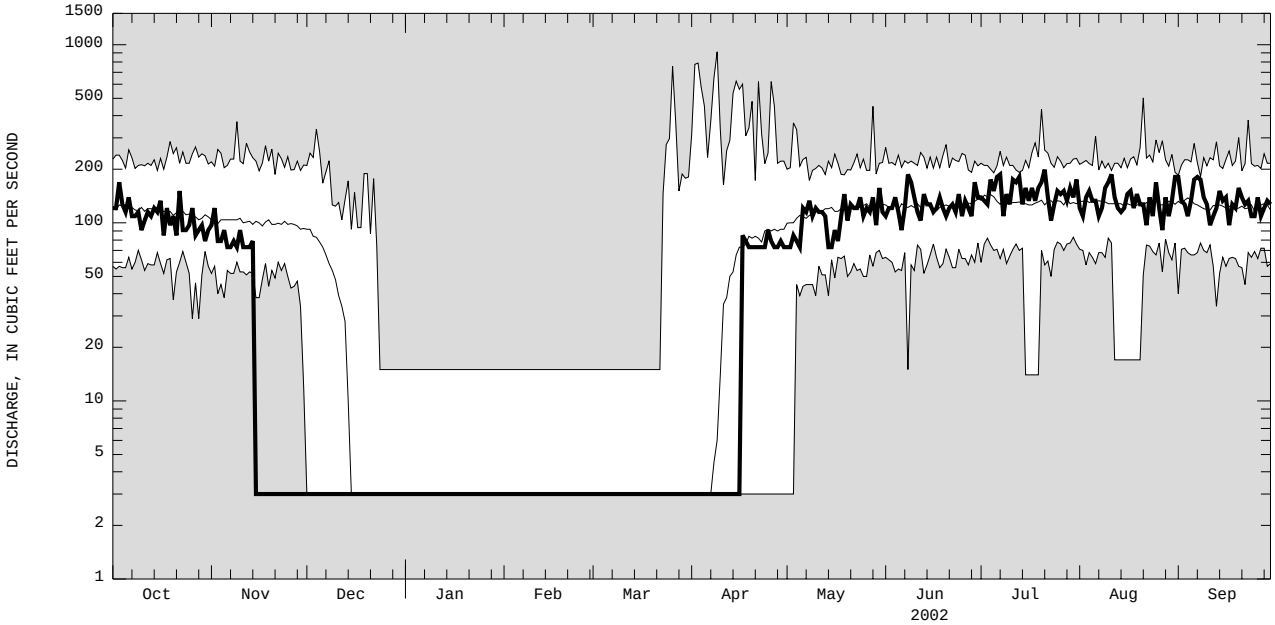
01357500 MOHAWK RIVER AT COHOES, NY--Continued

Statistics and hydrograph for Diversion (01357499)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2002, BY WATER YEAR (WY)

MEAN	121	108	32.7	3.39	3.39	7.03	66.7	119	127	133	131	127
MAX	203	180	73.0	15.0	15.0	35.9	141	175	186	186	196	203
(WY)	1937	1939	1977	1934	1934	1965	1951	1939	1937	1936	1936	1936
MIN	75.4	40.1	3.00	3.00	3.00	3.00	3.00	70.4	85.8	92.2	93.2	81.2
(WY)	1963	2002	1997	1935	1935	1936	1992	1963	1960	1927	1962	1962

SUMMARY STATISTICS	**FOR 2001 CALENDAR YEAR**		**FOR 2002 WATER YEAR**		**WATER YEARS 1926 - 2002**	
ANNUAL TOTAL	26099.0		26021.0			
ANNUAL MEAN	71.5		71.3		81.9	
HIGHEST ANNUAL MEAN					122	1937
LOWEST ANNUAL MEAN					57.8	1963
HIGHEST DAILY MEAN	211	Sep 2	199	Jul 21	913	Apr 9 1967
LOWEST DAILY MEAN	3.0	Jan 1	3.0	Nov 15	3.0	Dec 18 1934
ANNUAL SEVEN-DAY MINIMUM	3.0	Jan 1	3.0	Nov 15	3.0	Dec 18 1934
10 PERCENT EXCEEDS	151		145		156	
50 PERCENT EXCEEDS	85		79		95	
90 PERCENT EXCEEDS	3.0		3.0		3.0	



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.

01357500 MOHAWK RIVER AT COHOES, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-59, 1970, 1976-79, June 1988 to current year.
CHEMICAL DATA: 1955, 1957 (a), 1958-59 (b), 1970 (a), 1977 (c), 1978-79 (d), 1988 (a), 1989 (c), 1990 (d), 1991 (c), 1992 (a), 1993 (c), 1994 (d), 1995 (e), 1996 (d), 1997-2000 (e), 2001 (d), 2002 (c).
MINOR ELEMENTS DATA: 1958-59 (b), 1976 (a), 1977 (c), 1978 (d), 1979 (e), 1988 (a), 1989 (c), 1990 (d), 1991 (c), 1992 (a).
PESTICIDE DATA: 1976 (a), 1977 (c), 1979 (d), 1993 (a), 1994 (d), 1995 (e), 1996 (d), 1997-2000 (e), 2001 (d), 2002 (c).
ORGANIC DATA: OC--1976 (a), 1977 (c), 1978-79 (d), 1993 (c), 1994 (d), 1995 (e), 1996-97 (d), 1999-2000 (e), 2001 (d).
PCB--1976 (a), 1977 (c), 1979 (d), 1993 (a).
PCN--1976 (a), 1979 (d), 1993 (a).
NUTRIENT DATA: 1955, 1957 (a), 1958-59 (b), 1970, 1976 (a), 1977 (c), 1978-79 (d), 1993 (c), 1994 (d), 1995 (e), 1996-2001 (d), 2002 (c).
BIOLOGICAL DATA:
Bacteria--1977 (c), 1978-79 (d), 1993 (a).
Phytoplankton--1979 (d), 1993 (a).
SEDIMENT DATA: 1954-58, 1976-79 (e), 1988 (a), 1989 (c), 1990 (d), 1991 (c), 1992 (a), 1993 (c), 1994 (d), 1995 (e), 1996 (d), 1997-2002 (e).
PERIOD OF DAILY RECORD.--
ORGANIC CARBON: March 1999 to August 2000.
WATER TEMPERATURE: May 1956 to June 1959.
SUSPENDED-SEDIMENT DISCHARGE: January 1954 to June 1959, August 1976 to September 1979, March 1999 to August 2000.
INSTRUMENTATION.--Point-sample intake for automatic sampler located at downstream left bank of bridge.
REMARKS.--A sampling method code of 10 indicates an equal-width increment sample, 30 indicates a single vertical, 50 indicates a sample collected at one point in the cross section.
EXTREMES FOR PERIOD OF DAILY RECORD.--
DISSOLVED-ORGANIC-CARBON CONCENTRATION: Maximum daily mean, 5.6 mg/L on several days; minimum daily mean, 2.8 mg/L, Apr. 5, 1999.
DISSOLVED-ORGANIC-CARBON DISCHARGE: Maximum daily, 634 tons, June 7, 2000; minimum daily, 2.1 tons, Sept. 4, 1999.
PARTICULATE-ORGANIC-CARBON CONCENTRATION: Maximum daily mean, 13.7 mg/L, Feb. 29, 2000; minimum daily mean, 0.2 mg/L on many days.
PARTICULATE-ORGANIC-CARBON DISCHARGE: Maximum daily, 2,085 tons, Feb. 29, 2000; minimum daily, 0.1 ton, Sept. 4, 1999.
WATER TEMPERATURE (water years 1956-59): Maximum daily, 28.0°C, July 21, 1957; minimum daily, 0.0°C on many days during winter periods.
SUSPENDED-SEDIMENT CONCENTRATION (water years 1954-59, 1976-79, 1999-2000): Maximum daily mean, 1,230 mg/L, Oct. 17, 1955; minimum daily mean, 1 mg/L, Jan. 6, 1956, Jan. 6, 7, Feb. 21, 22, 25, 1977.
SUSPENDED-SEDIMENT DISCHARGE (water years 1954-59, 1976-79, 1999-2000): Maximum daily, 300,000 tons, Oct. 17, 1955; minimum daily, 0.8 ton, Aug. 7, 1955.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT													
03...	1020	1300	50	764	8.2	87	7.6	335	22.0	18.0	84	31.5	30.5
DEC													
04...	1000	3380	10	776	11.5	95	7.5	301	11.5	7.5	80	25.3	28.3
JAN													
03...	1100	1000	50	768	13.1	90	7.7	314	4.0	.5	84	32.3	26.8
FEB													
06...	1000	4830	30	774	14.0	95	7.5	351	-1.5	.0	74	45.7	22.1
MAR													
27...	1225	31700	10	767	15.4	114	7.6	343	6.0	3.0	75	45.6	21.9
27...	1226	31700	50	--	--	--	--	--	--	--	--	--	--
MAY													
01...	0900	11600	10	761	11.9	102	7.7	272	10.5	8.0	105	22.6	17.6
JUN													
04...	0945	2220	50	770	9.2	98	7.9	272	20.0	18.5	84	19.8	18.1
JUL													
02...	0945	2520	50	763	8.1	99	7.6	291	30.0	26.0	101	20.5	17.9
AUG													
05...	0900	2450	50	764	--	--	7.6	306	26.5	27.0	80	26.8	19.9

01357500 MOHAWK RIVER AT COHOES, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	ORTHO-PHOSPHATE, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETOCHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)
OCT													
03...	.07	.33	.33	.63	.016	.047	.03	.052	<.002	<.05	<.05	<.004	<.05
DEC													
04...	.06	.28	.38	.74	.009	.048	.04	.082	<.002	<.05	<.05	<.004	<.05
JAN													
03...	E.04	.30	.32	.70	.034	.046	.03	.056	--	--	--	--	--
FEB													
06...	.05	.27	.34	.90	.008	.020	E.01	.055	<.006	<.05	<.05	<.006	<.05
MAR													
27...	.04	.20	.41	.65	<.008	.015	E.01	.104	<.006	<.05	<.05	<.006	<.05
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01...	.04	.28	.29	.56	E.007	.023	E.02	.044	<.006	<.05	<.05	<.006	<.05
JUN													
04...	<.04	.21	.28	.58	.011	.025	E.01	.035	<.006	<.05	<.05	<.006	<.05
JUL													
02...	.04	.31	.32	.58	.020	.041	.03	.029	<.006	<.05	<.05	<.006	<.05
AUG													
05...	.07	.36	.41	.37	.028	.033	.02	.042	<.006	<.05	<.05	<.006	<.05

Date	ALACHLOR ESA WAT FLT GF 0.7U REC (UG/L) (50009)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON, DISSOLVED (UG/L) (39572)
OCT													
03...	<.05	<.002	<.005	.009	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.005	<.005
DEC													
04...	<.05	<.002	<.005	E.005	<.010	<.002	E.003	<.020	<.005	<.018	<.003	E.003	<.005
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<.05	<.004	<.005	.008	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.008	<.005
MAR													
27...	<.05	<.004	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.006	<.005
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01...	<.05	<.004	<.005	.008	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.008	E.004
JUN													
04...	<.05	<.004	<.005	.053	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.011	<.005
JUL													
02...	<.05	<.004	<.005	.373	<.010	<.002	E.004	<.020	<.005	E.010	<.003	E.050	<.005
AUG													
05...	<.05	<.004	<.005	.066	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.016	E.003

Date	DIELDRIN DISSOLVED (UG/L) (39381)	DIMETHENAMID OA, WATER FLT, REC (UG/L) (62482)	DIMETHENAMID, ESA, WAT FLT (UG/L) (61951)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUFENACET, ESA, WAT FLT (UG/L) (61952)	FLUFENACET OA, WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DISSOLVED (UG/L) (39341)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)
OCT													
03...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
DEC													
04...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
MAR													
27...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
JUN													
04...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
JUL													
02...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027
AUG													
05...	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05	<.003	<.004	<.035	<.027

E Estimated

01357500 MOHAWK RIVER AT COHOES, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT													
03...	<.050	<.006	.08	<.05	E.007	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
DEC													
04...	<.050	<.006	.07	<.05	E.005	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<.050	<.006	.13	.05	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
MAR													
27...	<.050	<.006	.13	<.05	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01...	<.050	<.006	.13	<.05	E.009	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
JUN													
04...	<.050	<.006	.15	<.05	.033	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
JUL													
02...	<.050	<.006	.22	.11	.232	<.006	<.002	<.007	<.003	<.010	<.004	E.008	<.006
AUG													
05...	<.050	<.006	.10	<.05	.033	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006

Date	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT													
03...	<.011	<.01	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
DEC													
04...	<.011	<.01	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MAR													
27...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01...	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
JUN													
04...	<.011	<.01	<.004	<.010	<.011	<.02	.009	<.02	<.034	<.02	<.005	<.002	<.009
JUL													
02...	<.011	M	<.004	<.010	<.011	<.02	.054	<.02	<.034	<.02	<.005	<.002	<.009
AUG													
05...	<.011	E.01	<.004	<.010	<.011	<.02	.007	<.02	<.034	<.02	<.005	<.002	<.009

Date	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT		
03...	81	2.0
DEC		
04...	95	10
JAN		
03...	80	7.0
FEB		
06...	98	28
MAR		
27...	94	45
27...	99	43
MAY		
01...	94	9.0
JUN		
04...	74	4.0
JUL		
02...	96	3.0
AUG		
05...	86	1.0

E Estimated
M Presence verified, not quantified

01357500 MOHAWK RIVER AT COHOES, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
APR				
16...	1350	28200	50	65
16...	1523	28200	50	70
16...	2315	27000	50	71
17...	0715	25600	50	67
17...	1515	23700	50	56
MAY				
14...	0830	41000	50	95
14...	1645	41200	50	98
15...	0045	36300	50	73
15...	0845	30900	50	71
15...	1438	21100	50	50
22...	1430	9110	50	8.3
29...	1430	197	50	3.0
JUN				
05...	1431	6450	50	6.5
06...	0947	23900	50	48
06...	1326	32800	50	60
06...	1513	32800	50	56
06...	1901	31200	50	52
07...	0301	22600	50	43
07...	0624	21200	50	41
07...	1416	10600	50	27
07...	2216	6780	50	25
08...	0616	11000	50	27
08...	1416	10400	50	18
08...	2216	6080	50	13
10...	0616	5710	50	6.7
17...	0730	10800	50	17
21...	0730	3390	50	5.6
JUL				
08...	0731	1690	50	3.7
15...	0731	1680	50	3.1
22...	0731	1340	50	2.8
29...	0731	2270	50	3.3
AUG				
05...	0731	689	50	1.8
12...	0731	672	50	1.3
19...	0731	626	50	1.9
26...	0731	3590	50	5.0
SEP				
02...	0730	737	50	3.7
11...	0827	156	50	1.9
18...	0830	1310	50	3.2
25...	0827	1330	50	3.0

01358000 HUDSON RIVER AT GREEN ISLAND, NY

LOCATION.--Lat 42°45'08", long 73°41'22", Albany County, Hydrologic Unit 02020003, on right bank at Green Island, just upstream from Troy lock and dam, and 0.5 mi downstream from 5th branch Mohawk River.
DRAINAGE AREA.--8,090 mi^2, approximately (including that above site of former auxiliary gage).
PERIOD OF RECORD.--February 1946 to current year (October 1997 to September 2000, discharges only for days when inflatable rubber dam was considered to have been collapsed; see REMARKS).
GAGE.--Water-stage recorder. Datum of gage is 0.31 ft below NGVD of 1929 (Corps of Engineers benchmark). From July 1, 1946 to Mar. 12, 1962 auxiliary water-stage recorder on bypass channel at datum 10.59 ft higher. Power transducer on each turbine in powerplant.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Records include flow over spillway, flow through lock, and flow through powerplant. Powerplant, located on the right bank just downstream from gage, was inoperative from Nov. 20, 1960 to Feb. 23, 1971. An inflatable rubber dam was installed on the spillway during August 1991. August 1991 through September 1997, and since October 2000, estimated water-discharge data based on records for Hudson River above Lock 1 near Waterford (01335754) and Mohawk River at Cohoes (01357500) due to inflatable rubber dam. October 1997 to September 2000, discharges only for days when inflatable rubber dam was considered to have been collapsed. See Diversions in Hudson River Basin for regulation and diversions upstream from this station. Satellite gage-height and power transducer telemeter readings at station.
COOPERATION.--Information on turbine operation provided by Green Island Power Authority.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181,000 ft^3/s, Dec. 31, 1948, gage height, 27.05 ft, from floodmark in gage well; minimum discharge not determined; minimum gage height, 13.68 ft, July 6, 1981, when pool was lowered for inspection of flashboards.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 19, 1936, reached a stage of 29.48 ft at gage on opposite bank, from information by Corps of Engineers (discharge, 215,000 ft^3/s). Flood of Mar. 28, 1913, prior to construction of Sacandaga Reservoir and Troy lock and dam, reached a stage about 0.2 ft higher upstream from former dam near same site. Downstream from dams, flood in 1913 was about 3.3 ft higher than flood in 1936, from information by Corps of Engineers.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59,700 ft^3/s, Apr. 16; maximum gage height, 20.61 ft, June 6; minimum discharge not determined; minimum gage height, 14.65 ft, Oct. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5550	e4310	e9320	e6130	e11900	e15600	e30700	e22600	e25300	e10700	e3570	e3970
2	e3850	e4450	e10800	e5350	e15000	e13800	e29400	e21700	e22100	e11300	e4730	e3730
3	e3490	e6770	e10800	e6160	e17900	e14400	e25800	e22800	e15700	e8530	e4220	e4410
4	e3510	e5920	e9150	e5130	e16600	e17500	e25400	e22500	e14700	e7580	e4230	e3400
5	e3720	e6680	e7670	e5180	e14300	e17800	e23000	e16900	e14800	e5900	e3920	e3460
6	e3680	e6460	e7700	e5570	e11500	e14700	e19900	e16500	e38000	e6820	e4220	e3300
7	e3260	e6500	e6510	e4310	e10300	e14400	e17600	e13300	e27000	e5790	e4290	e3470
8	e3500	e8230	e6220	e4220	e9260	e14200	e15500	e13200	e22500	e5130	e3530	e3510
9	e3220	e9670	e7070	e4800	e9020	e14000	e14500	e12200	e16800	e5600	e3330	e4110
10	e3820	e8210	e6020	e5340	e9080	e16800	e15600	e12100	e15400	e5570	e3340	e3160
11	e3490	e4950	e6460	e5330	e20000	e21800	e21400	e11800	e12900	e5190	e3740	e2500
12	e3970	e5160	e6420	e5310	e25300	e19000	e21800	e12400	e11900	e5230	e3400	e2950
13	e3410	e6900	e5180	e4930	e21100	e16800	e21100	e24300	e13400	e4910	e3880	e3080
14	e4200	e8430	e5930	e6090	e17500	e16100	e29900	58200	e13800	e4590	e4160	e3250
15	e4190	e5580	e8050	e5390	e14900	e15700	50300	51200	e12700	e5160	e3480	e4290
16	e4080	e4910	e9250	e4820	e13800	e15700	57400	46300	e16900	e4260	e3560	e4960
17	e4190	e5410	e8980	e5430	e14600	e15700	49200	39800	e23400	e4250	e3870	e6090
18	e3230	e5450	e8500	e5070	e13500	e15200	39600	36500	e19200	e3900	e3970	e4780
19	e4490	e3890	e10800	e4910	e11900	e15100	33200	41300	e18700	e3970	e3360	e4240
20	e4580	e4680	e9940	e4420	e11300	e15100	e25700	31900	e15300	e4780	e3500	e3610
21	e3590	e5490	e10200	e4990	e13500	e15400	e21100	24800	e12400	e5000	e3350	e3580
22	e4860	e4190	e8880	e4470	e18300	e15800	e18000	22800	e12500	e4120	e3760	e4610
23	e4480	e4820	e7940	e5160	e20100	e14300	e15000	e20600	e11600	e4660	e3660	e6740
24	e4400	e3820	e7700	e5440	e16800	e12600	e12600	e17500	e11200	e4220	e4880	e7430
25	e4430	e4930	e7670	e7260	e14800	e12700	e10600	e17700	e10800	e4670	e5740	e5570
26	e4520	e4180	e7110	e7930	e13200	e12800	e12500	e15300	e9300	e4300	e4360	e4900
27	e4900	e5770	e6230	e7740	e15400	48200	e12200	e14500	e10700	e3890	e4000	e6430
28	e4100	e5550	e6490	e8630	e18000	43000	e16200	e12800	e26900	e3770	e4180	e12100
29	e4410	e5960	e6020	e7940	---	34500	e21300	e13300	e20400	e4420	e4190	e12400
30	e5660	e6800	e5500	e9850	---	33000	e24500	e12600	e15300	e3870	e4390	e6670
31	e2990	---	e5320	e11800	---	35800	---	e13200	---	e4080	e4550	---
TOTAL	125770	174070	239830	185100	418860	597500	731000	712600	511600	166160	123360	146700
MEAN	4057	5802	7736	5971	14960	19270	24370	22990	17050	5360	3979	4890
MAX	5660	9670	10800	11800	25300	48200	57400	58200	38000	11300	5740	12400
MIN	2990	3820	5180	4220	9020	12600	10600	11800	9300	3770	3330	2500

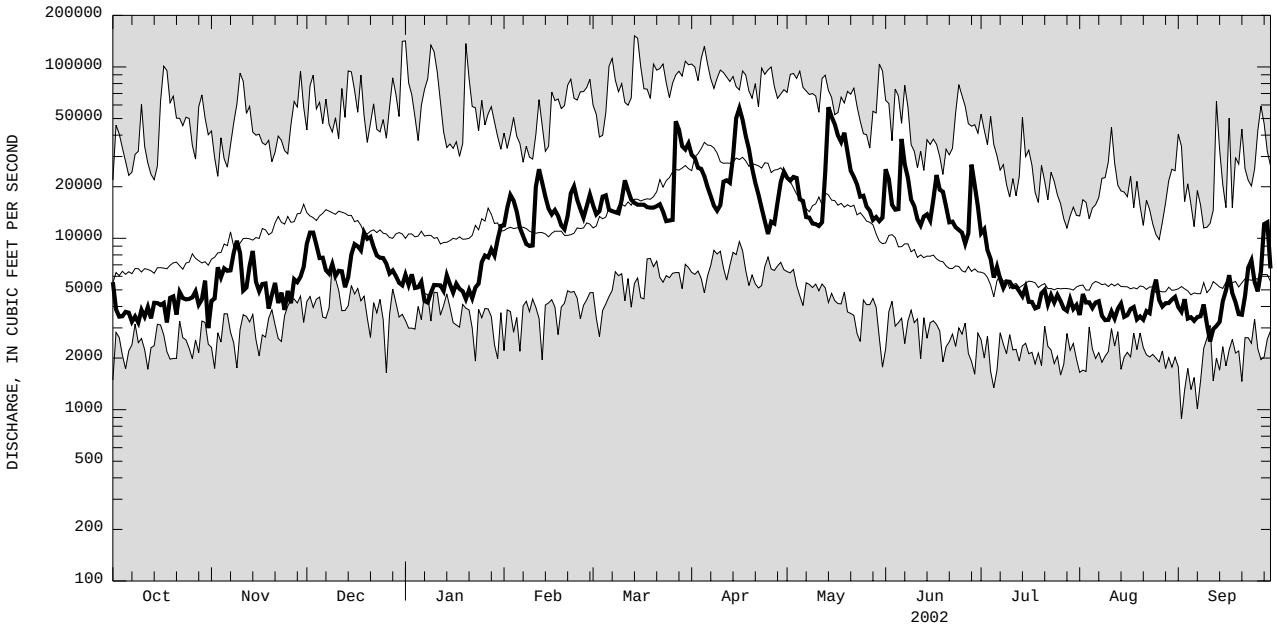
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2002, BY WATER YEAR (WY)

MEAN	8932	12950	14980	13340	14090	21910	31020	19030	10290	6711	5749	6390
MAX	30140	26150	34940	33970	31260	44240	61820	40520	29630	18380	14630	17030
(WY)	1978	1973	1997	1949	1976	1979	1993	1972	1972	1972	1976	1975
MIN	2967	3270	6096	4187	4527	9123	9073	5505	3573	3082	2912	2875
(WY)	1965	1965	1965	1961	1980	1965	1995	1987	1965	1965	1965	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1946 - 2002	
ANNUAL TOTAL	4447370		4132550			
ANNUAL MEAN	12180		11320		13780	
HIGHEST ANNUAL MEAN					22100	1976
LOWEST ANNUAL MEAN					6386	1965
HIGHEST DAILY MEAN	95900	Apr 10	58200	May 14	152000	Mar 14 1977
LOWEST DAILY MEAN	2400	Aug 29	2500	Sep 11	882	Sep 2 1968
ANNUAL SEVEN-DAY MINIMUM	3210	Aug 25	3220	Sep 8	2110	Aug 23 1995
10 PERCENT EXCEEDS	21100		22500		28800	
50 PERCENT EXCEEDS	8700		7580		9410	
90 PERCENT EXCEEDS	3500		3740		4250	

e Estimated

01358000 HUDSON RIVER AT GREEN ISLAND, NY--Continued



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.

01359139 HUDSON RIVER AT ALBANY, NY

LOCATION.--Lat 42°38'46", long 73°44'53", Albany County, Hydrologic Unit 02020006, on right bank 0.1 mi upstream from bridge on U.S. Highways 9 and 20 in Albany, and 0.7 mi downstream from the Conrail railroad bridge.
DRAINAGE AREA.--8,288 mi^2.

ELEVATION RECORDS

PERIOD OF RECORD.--October 1972 to September 1976, April 1981 to current year.
REVISED RECORDS.--WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Feb. 27, 2002, at site 1,000 ft upstream at datum 10.00 ft lower, gage-height record converted to elevation above or below (-) NGVD of 1929 for publication.
REMARKS.--Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 15.49 ft, Jan. 20, 1996; minimum, -4.50 ft, Mar. 8, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 9, 1857, reached an elevation of 21.71 ft, result of ice jam, from information provided by U.S. Army Corps of Engineers. Flood of Mar. 28, 1913, reached an elevation of 21.45 ft, discharge, 240,000 ft^3/s (estimated, tide affected) from information provided by Board of Hudson River-Black River Regulating District.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.75 ft, May 14; minimum, -3.93 ft, Jan. 14.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.41	-0.32	2.70	4.42	-1.69	1.50	4.58	-1.18	1.82	3.74	-2.48	0.60
2	5.05	-0.97	2.11	4.81	-1.50	1.67	4.59	-1.65	1.45	3.49	-2.76	0.40
3	4.58	-1.25	1.83	4.06	-1.76	1.37	5.03	-1.45	1.73	3.77	-2.50	0.67
4	4.58	-1.12	1.87	4.53	-1.85	1.31	4.33	-1.80	1.37	3.95	-2.03	0.95
5	4.54	-1.40	1.69	3.49	-1.97	1.00	4.43	-1.48	1.45	3.75	-1.81	0.95
6	4.52	-1.01	1.73	3.69	-2.80	0.53	4.36	-1.34	1.57	3.50	-1.99	0.84
7	3.59	-1.82	1.03	3.38	-1.69	0.92	3.84	-1.75	0.97	3.52	-1.96	0.77
8	3.06	-2.91	0.26	5.06	-2.13	1.28	3.94	-1.99	0.99	3.38	-2.78	0.34
9	4.37	-2.16	1.07	3.88	-2.19	1.17	4.24	-1.73	1.20	4.17	-1.48	1.32
10	3.68	-2.20	0.71	3.99	-1.56	1.40	4.51	-1.57	1.45	3.68	-2.04	0.78
11	4.32	-2.02	0.86	4.37	-2.65	0.67	4.15	-1.75	1.24	4.35	-1.66	1.22
12	3.72	-1.64	1.21	4.06	-2.24	0.87	4.36	-1.88	1.28	3.68	-2.42	0.70
13	4.46	-1.58	1.47	4.24	-2.32	1.01	5.09	-1.24	1.94	4.30	-1.13	1.47
14	5.05	-1.07	2.12	4.50	-1.72	1.49	4.59	-1.66	1.56	2.26	-3.93	-0.60
15	5.42	-1.62	2.16	4.44	-2.22	1.25	4.13	-1.83	1.04	3.85	-2.73	0.71
16	4.88	-2.06	1.66	4.52	-1.81	1.48	4.39	-2.25	1.23	2.91	-2.27	0.56
17	5.03	-0.84	2.22	4.45	-2.54	0.94	5.14	-1.50	1.84	3.89	-2.25	1.20
18	3.43	-3.26	0.38	4.61	-1.51	1.59	4.24	-0.87	1.69	3.11	-1.56	0.78
19	4.56	-2.70	1.21	4.56	-1.53	1.36	4.56	-1.98	1.41	3.26	-2.17	0.66
20	4.39	-1.81	1.41	3.50	-1.74	1.00	4.00	-0.60	1.72	3.40	-1.21	1.28
21	4.79	-1.61	1.51	4.40	-2.13	1.15	2.45	-2.44	0.21	3.45	-1.30	1.23
22	3.81	-1.91	1.09	3.73	-1.08	1.29	3.24	-2.30	0.81	1.92	-2.89	-0.16
23	4.83	-1.76	1.41	3.86	-1.63	1.03	3.65	-1.44	1.37	3.49	-2.04	0.67
24	4.15	-0.72	1.68	3.26	-1.28	1.15	3.88	-1.05	1.53	3.52	-1.41	0.82
25	4.02	-0.86	1.83	3.98	-1.23	1.55	3.54	-1.33	1.14	3.72	-1.38	1.08
26	3.62	-1.19	1.26	4.16	-1.39	1.25	4.37	-1.08	1.45	4.00	-1.31	1.21
27	3.34	-2.02	0.64	4.14	-1.67	1.23	4.56	-1.18	1.58	3.68	-1.94	0.91
28	3.01	-2.22	0.60	4.01	-1.90	1.24	4.32	-1.85	1.18	4.48	-1.13	1.69
29	4.01	-1.57	1.27	5.14	-1.46	1.76	4.12	-1.89	1.17	4.66	-1.06	1.85
30	3.58	-2.14	0.89	4.87	-1.37	1.80	4.14	-1.97	1.01	4.21	-1.14	1.65
31	4.36	-1.83	1.29	---	---	---	3.55	-2.67	0.56	4.82	-1.07	1.87
MAX	5.42	-0.32	2.70	5.14	-1.08	1.80	5.14	-0.60	1.94	4.82	-1.06	1.87
MIN	3.01	-3.26	0.26	3.26	-2.80	0.53	2.45	-2.67	0.21	1.92	-3.93	-0.60

High = Daily tidal high
Low = Daily tidal low

01359139 HUDSON RIVER AT ALBANY, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.93	-0.18	2.48	4.16	-2.06	1.44	5.65	0.27	2.94	5.34	-0.34	2.47
2	2.90	-2.11	0.65	4.41	-1.73	1.53	4.88	-0.32	2.40	5.34	-0.40	2.78
3	4.43	-1.32	1.80	5.10	-1.22	2.48	5.29	-0.29	2.37	4.98	-0.93	1.83
4	4.54	-0.19	2.11	3.98	-1.53	1.39	4.02	-0.91	1.39	3.83	-1.14	1.41
5	3.39	-0.85	1.34	3.67	-1.54	1.07	3.89	-0.74	1.41	3.93	-1.16	1.54
6	3.77	-1.01	1.37	3.92	-1.51	1.14	3.67	-1.32	1.17	4.02	-0.40	1.92
7	3.97	-0.94	1.43	3.22	-2.01	0.61	4.00	-1.17	1.41	4.34	-1.46	1.56
8	4.21	-0.82	1.73	3.80	-1.24	1.21	4.12	-1.32	1.69	3.86	-1.70	1.11
9	3.72	-1.10	1.37	4.05	-0.90	1.62	4.42	-0.84	1.97	4.54	-0.73	1.98
10	4.22	-0.78	1.64	4.76	0.39	1.64	3.83	-1.93	0.89	4.73	-1.62	1.64
11	4.12	-0.41	1.77	2.76	-2.63	0.13	4.21	-1.17	1.75	4.04	-2.17	0.84
12	5.51	-0.82	2.67	4.22	-1.25	1.61	4.69	-0.55	2.28	4.12	-1.90	1.37
13	3.71	-0.58	1.73	4.38	-1.24	1.68	4.65	-0.69	2.12	4.93	-0.85	2.51
14	3.97	-1.06	1.42	4.13	-1.07	1.73	4.69	-0.74	2.22	6.75	3.19	4.89
15	3.89	-0.33	1.82	4.25	-1.23	1.81	5.60	0.49	3.52	5.94	1.07	3.00
16	3.72	-0.51	1.67	4.13	-1.34	1.43	6.00	1.98	3.92	5.58	0.38	3.43
17	3.70	-0.38	1.73	4.38	-2.06	1.46	5.75	1.36	3.45	5.61	0.44	2.94
18	3.03	-1.51	0.61	4.61	-0.70	2.13	5.36	0.57	2.97	4.96	0.17	2.60
19	4.24	0.02	2.02	4.51	-0.80	1.88	5.47	0.31	2.92	5.85	0.81	3.30
20	3.99	-0.18	1.85	4.78	-0.88	2.38	4.79	-0.45	2.04	4.67	-0.32	2.41
21	4.18	0.02	1.86	3.86	---	---	4.19	-1.12	1.67	4.46	-0.95	2.06
22	4.18	-0.13	1.83	---	-2.43	---	4.72	-0.85	1.93	4.33	-0.99	1.83
23	3.62	-0.52	1.44	2.91	-2.16	0.40	4.40	-1.76	1.47	5.02	-1.13	2.19
24	4.14	-0.49	1.73	3.45	-1.82	0.93	---	---	---	5.17	-1.24	2.13
25	4.95	-0.20	2.29	---	-1.44	---	---	-0.93	---	5.12	-1.38	1.89
26	4.78	-0.24	2.37	---	---	---	5.03	-2.20	1.63	5.82	-1.20	2.59
27	5.25	-0.75	2.50	---	---	---	4.70	-1.79	1.60	5.32	-1.08	2.14
28	4.34	-1.78	1.32	---	0.47	---	4.92	-1.28	2.16	5.24	-1.24	1.97
29	---	---	---	5.76	0.51	3.33	5.74	-0.90	2.67	5.07	-1.35	2.00
30	---	---	---	6.24	0.67	3.53	5.34	-0.46	2.68	5.21	-0.84	2.21
31	---	---	---	5.66	0.29	3.11	---	---	---	5.10	-0.55	2.40
MAX	5.51	0.02	2.67	---	---	---	---	---	---	6.75	3.19	4.89
MIN	2.90	-2.11	0.61	---	---	---	---	---	---	3.83	-2.17	0.84

DAY	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.86	-0.15	2.45	3.94	-1.63	1.47	4.00	-1.39	1.40	4.29	-0.65	1.82
2	4.66	-0.90	1.93	3.60	-1.70	1.28	4.56	-0.82	1.65	2.87	-0.92	1.30
3	3.85	-1.23	1.52	3.91	-1.66	1.20	3.17	-1.43	1.45	4.29	-1.08	1.57
4	4.67	-1.03	1.52	4.06	-1.56	1.30	4.35	-1.49	1.31	4.90	-1.59	1.59
5	4.23	-0.95	2.13	2.45	-2.39	0.70	4.66	-1.58	1.36	4.59	-2.03	1.29
6	4.70	0.49	2.96	3.41	-1.59	0.92	4.54	-2.86	0.55	4.52	-1.91	1.35
7	5.10	0.47	2.97	4.08	-1.73	0.99	4.23	-1.97	1.08	4.68	-1.93	1.55
8	6.10	0.20	3.16	4.40	-1.88	1.12	4.57	-2.16	1.19	4.70	-1.91	1.69
9	5.53	-0.92	2.26	4.77	-1.80	1.39	4.59	-2.00	1.42	4.61	-1.72	1.73
10	4.98	-1.37	1.79	4.65	-2.25	1.05	4.72	-1.95	1.61	5.08	-1.75	1.90
11	5.39	-1.03	2.26	4.59	-2.25	1.27	4.76	-1.96	1.73	4.74	-1.89	1.38
12	5.23	-0.95	2.14	4.69	-2.03	1.50	4.62	-1.87	1.68	4.26	-2.75	0.81
13	5.43	-1.06	2.48	4.90	-1.59	1.80	4.36	-1.91	1.50	4.43	-1.81	1.35
14	5.74	-0.51	2.72	4.79	-1.68	1.76	4.55	-1.77	1.46	4.43	-1.58	1.23
15	5.85	-0.31	2.85	4.76	-1.54	1.77	4.52	-1.61	1.48	4.29	-0.88	1.66
16	5.73	-0.23	2.99	4.28	-2.07	1.41	4.23	-1.64	1.22	3.35	-1.41	1.23
17	5.40	0.02	2.91	4.97	-1.50	1.75	3.17	-1.96	1.04	4.04	-1.53	1.21
18	4.87	-0.86	2.37	4.67	-1.86	1.55	4.46	-1.44	1.41	4.55	-1.25	1.55
19	4.74	-1.12	2.02	3.69	-1.59	1.37	4.53	-1.57	1.25	4.58	-1.18	1.77
20	4.07	-1.52	1.67	4.94	-2.03	1.28	4.71	-1.95	1.17	4.85	-0.96	1.98
21	4.82	-1.59	1.59	4.96	-1.28	1.77	4.46	-1.66	1.34	4.59	-1.09	1.93
22	4.94	-1.88	1.53	5.24	-1.27	1.86	4.70	-1.22	1.80	4.63	-1.16	1.91
23	4.79	-1.53	1.61	4.94	-1.84	1.56	4.33	-2.17	1.20	4.48	-1.30	1.69
24	5.06	-1.85	1.55	4.01	-2.45	1.06	4.66	-1.23	1.90	4.32	-1.45	1.64
25	4.86	-1.58	1.76	4.93	-1.44	1.86	4.52	-1.38	1.84	4.19	-1.63	1.56
26	5.21	-1.18	2.08	5.00	-1.39	1.95	4.30	-1.32	1.70	4.56	-0.97	1.96
27	4.94	-1.39	1.86	4.93	-1.22	1.98	4.01	-1.83	1.31	5.04	-0.71	2.19
28	4.97	-0.86	2.45	4.63	-1.27	1.91	4.46	-1.59	1.47	3.98	-1.36	1.73
29	4.56	-0.96	2.01	4.61	-1.37	1.85	3.83	-0.93	1.63	4.60	-0.52	1.84
30	4.40	-1.06	1.85	4.35	-1.31	1.68	3.81	-1.43	1.11	4.47	-0.63	1.70
31	---	---	---	4.02	-1.52	1.44	4.57	-1.24	1.38	---	---	---
MAX	6.10	0.49	3.16	5.24	-1.22	1.98	4.76	-0.82	1.90	5.08	-0.52	2.19
MIN	3.85	-1.88	1.52	2.45	-2.45	0.70	3.17	-2.86	0.55	2.87	-2.75	0.81

High = Daily tidal high
Low = Daily tidal low

01359139 HUDSON RIVER AT ALBANY, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: February to September 2002.
INSTRUMENTATION.--Water-temperature satellite and telephone telemeter provides 15-minute-interval readings.
REMARKS.--Interruptions of record were due to malfunction of recording instrument.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: February to September: Maximum, 28.5°C, Aug. 18, 19, 21.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	3.0	2.5	3.0	7.5	7.0	7.0	9.0	8.5	9.0
2	---	---	---	3.0	2.5	2.5	7.5	7.0	7.0	9.0	8.5	9.0
3	---	---	---	3.5	2.5	3.0	7.5	6.5	7.0	9.0	9.0	9.0
4	---	---	---	3.5	3.0	3.5	6.5	6.0	6.5	10.0	8.5	9.0
5	---	---	---	3.0	2.5	2.5	6.5	5.5	6.0	10.5	9.5	10.0
6	---	---	---	2.5	2.0	2.5	5.5	5.0	5.5	12.0	10.5	11.5
7	---	---	---	2.5	2.0	2.5	6.0	5.0	5.5	13.0	12.0	12.5
8	---	---	---	3.0	2.0	2.5	6.0	5.5	5.5	13.5	13.0	13.5
9	---	---	---	4.5	2.5	3.5	7.0	5.5	6.5	13.5	13.0	13.5
10	---	---	---	5.5	4.5	5.0	8.0	7.0	7.5	13.5	13.0	13.5
11	---	---	---	5.0	4.0	4.5	9.0	7.5	8.5	14.5	13.5	14.0
12	---	---	---	5.0	3.5	4.0	10.0	9.0	9.0	14.0	13.5	14.0
13	---	---	---	3.5	3.0	3.0	10.5	10.0	10.0	14.0	13.0	13.5
14	---	---	---	4.0	3.0	3.5	11.5	10.5	11.0	13.0	11.0	12.5
15	---	---	---	4.5	4.0	4.0	12.0	11.0	11.5	11.0	10.0	10.5
16	---	---	---	5.0	4.5	4.5	12.0	11.0	11.5	11.5	10.5	11.0
17	---	---	---	4.5	4.0	4.5	13.0	11.5	12.0	12.0	11.0	11.5
18	---	---	---	4.5	4.0	4.0	14.5	12.5	13.5	12.0	11.5	11.5
19	---	---	---	4.0	3.5	4.0	15.0	14.0	14.5	12.0	11.5	11.5
20	---	---	---	4.0	3.5	4.0	15.0	15.0	15.0	12.0	11.5	11.5
21	---	---	---	3.5	3.0	3.5	15.0	14.0	14.5	11.5	11.0	11.5
22	---	---	---	3.5	2.5	3.0	14.0	12.5	13.5	12.5	11.5	12.0
23	---	---	---	3.0	2.0	2.5	12.5	11.5	12.0	13.0	12.0	12.5
24	---	---	---	3.5	2.5	3.0	---	11.0	---	14.0	13.0	13.5
25	---	---	---	3.5	3.0	3.0	11.5	10.5	---	14.5	13.5	14.0
26	---	---	---	---	---	---	11.0	10.0	10.5	15.0	14.0	14.5
27	4.0	3.5	4.0	---	---	---	10.5	9.5	10.0	15.5	14.5	15.0
28	3.5	3.0	3.5	3.5	2.0	3.0	10.5	9.5	10.0	16.5	15.5	16.5
29	---	---	---	4.5	3.0	3.5	10.0	9.5	9.5	17.5	16.5	17.0
30	---	---	---	6.0	4.5	5.0	9.5	9.0	9.0	18.5	17.0	17.5
31	---	---	---	7.0	5.5	6.5	---	---	---	18.5	18.0	18.5
MONTH	---	---	---	---	---	---	---	5.0	---	18.5	8.5	12.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.0	18.0	18.5	25.0	24.5	24.5	---	---	---	22.5	22.0	22.5
2	19.0	18.5	19.0	26.0	25.0	25.5	27.5	27.0	27.5	23.0	22.0	22.5
3	18.5	18.0	18.5	27.0	25.5	26.5	28.0	27.0	27.5	23.0	22.0	22.5
4	19.0	18.0	18.5	28.0	26.5	27.0	28.0	27.0	27.5	23.5	22.5	23.0
5	19.0	18.0	18.5	27.5	27.0	27.0	28.0	27.0	27.5	23.5	23.0	23.0
6	19.5	18.5	19.0	27.0	26.0	26.5	28.0	27.0	27.5	23.5	22.5	23.0
7	18.5	17.5	18.0	26.0	25.5	25.5	27.0	26.5	27.0	24.0	23.0	23.5
8	18.5	17.5	18.0	26.5	25.0	25.5	26.5	25.5	26.0	24.0	23.5	23.5
9	18.5	18.0	18.5	26.0	25.5	25.5	26.0	25.0	25.5	24.5	23.5	24.0
10	20.0	18.5	19.0	25.5	25.0	25.5	26.0	25.0	25.5	25.0	24.0	24.5
11	20.5	19.5	20.0	25.0	24.5	25.0	26.5	25.5	26.0	24.5	23.5	24.5
12	21.0	20.0	20.5	25.0	24.0	24.5	27.0	26.0	26.5	24.0	23.5	23.5
13	20.5	20.0	20.5	25.0	24.0	24.5	27.5	26.5	27.0	23.5	23.0	23.0
14	20.0	19.5	20.0	25.5	24.5	25.0	27.5	27.0	27.5	23.0	22.5	23.0
15	19.5	19.0	19.0	25.5	25.0	25.0	27.5	27.0	27.5	23.0	22.0	22.5
16	19.0	18.5	19.0	26.0	25.0	25.5	28.0	27.0	27.5	22.0	22.0	22.0
17	19.5	19.0	19.5	26.0	25.0	25.5	28.0	27.0	27.5	22.5	22.0	22.0
18	19.5	19.0	19.5	26.0	25.5	25.5	28.5	27.5	28.0	22.5	21.5	22.0
19	20.0	19.0	20.0	26.5	25.5	25.5	28.5	27.5	28.0	22.5	22.0	22.0
20	20.5	20.0	20.5	26.5	25.5	26.0	28.0	27.5	28.0	22.5	21.5	22.0
21	21.5	20.0	21.0	26.5	25.5	26.0	28.5	27.5	28.0	22.5	22.0	22.5
22	22.0	21.0	21.5	26.5	25.5	26.0	27.5	27.0	27.0	22.5	22.5	22.5
23	22.5	21.5	22.0	26.5	25.5	26.0	27.0	26.0	26.5	23.0	22.5	22.5
24	23.0	22.0	22.5	26.5	25.5	26.0	26.0	25.0	25.5	22.5	22.0	22.5
25	23.5	22.5	23.0	26.5	25.5	26.0	25.0	24.5	25.0	22.0	21.5	21.5
26	24.0	22.5	23.5	26.0	25.0	25.5	24.5	24.0	24.5	21.5	21.0	21.5
27	24.5	24.0	24.0	25.5	25.0	25.0	25.0	24.0	24.5	21.0	20.5	21.0
28	24.5	24.0	24.0	25.0	24.5	25.0	24.5	24.0	24.5	20.5	20.0	20.5
29	24.0	23.5	24.0	25.5	24.5	25.0	24.5	23.0	23.5	20.0	19.5	20.0
30	24.5	24.0	24.0	26.0	25.0	25.5	23.5	23.0	23.0	20.0	19.5	19.5
31	---	---	---	27.0	25.5	26.0	23.0	22.5	22.5	---	---	---
MONTH	24.5	17.5	20.4	28.0	24.0	25.6	---	---	---	25.0	19.5	22.4

01360640 VALATIE KILL NEAR NASSAU, NY

LOCATION.--Lat 42°33'07", long 73°35'31", Rensselaer County, Hydrologic Unit 02020006, on left bank about 200 ft upstream from bridge on Hoags Corners Road, and 2.7 mi northeast of Nassau.
DRAINAGE AREA.--9.48 mi^2.
PERIOD OF RECORD.--October 1990 to current year.
GAGE.--Water-stage recorder, concrete control, and crest-stage gage. Elevation of gage is 450 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 856 ft^3/s, June 6, 2000, gage height, 6.18 ft, from rating curve extended above 310 ft^3/s; minimum discharge, 0.07 ft^3/s, Aug. 4, 1999, gage height, 0.75 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 130 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0145	222	3.80	June 6	0030	*372	*4.56

Minimum recorded discharge, 0.17 ft^3/s, Sept. 12, 13, gage height, 0.82 ft, but may have been less during period of estimated record, July 10 to September 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.68	1.3	4.1	e1.3	14	e10	25	21	49	5.2	e0.80	e0.80
2	0.67	1.3	7.3	e1.3	e18	e9.0	20	21	23	4.3	e1.1	e0.70
3	0.52	1.5	2.8	e1.2	e14	12	24	19	15	3.7	e2.1	e0.60
4	0.44	1.1	1.9	e1.1	e9.0	13	31	14	11	3.2	e1.2	e0.50
5	0.40	1.1	1.7	1.1	7.1	e9.0	21	12	28	2.6	e0.90	e0.50
6	0.54	1.3	1.5	1.2	6.3	e7.0	18	10	231	2.4	e0.80	e0.40
7	0.53	1.3	1.4	1.7	e5.6	7.1	15	8.9	107	2.3	e0.70	e0.40
8	0.44	1.3	1.3	e1.6	5.1	6.9	13	7.8	49	2.2	e0.60	e0.32
9	0.75	1.4	1.6	e1.6	e5.0	6.8	12	6.8	28	2.5	e0.70	e0.35
10	0.66	1.2	1.5	1.6	e5.6	27	14	7.3	19	e3.0	e0.60	e0.28
11	0.51	1.3	1.5	1.9	e52	19	11	5.9	14	e2.3	e0.50	e0.21
12	0.55	1.3	1.6	2.1	e34	14	9.4	7.9	14	e1.9	e0.50	e0.19
13	0.49	1.2	2.3	2.2	e16	11	9.0	30	13	e1.6	e0.50	0.19
14	0.45	0.82	4.2	2.2	e11	11	10	51	11	e1.5	e0.40	0.23
15	1.6	0.94	10	2.2	9.0	9.2	21	28	11	e1.5	e0.50	0.31
16	1.1	1.1	6.0	2.3	8.5	14	16	18	16	e1.6	e0.50	5.1
17	1.2	0.89	e8.0	2.3	8.4	13	12	16	15	e1.3	e0.60	3.6
18	0.96	0.84	20	e2.1	e7.8	12	10	54	11	e1.3	e0.60	e1.8
19	1.7	0.88	13	1.9	e7.0	12	9.9	43	8.4	e1.8	e0.50	e1.3
20	1.3	1.9	8.3	1.9	6.8	15	9.2	26	6.6	e1.9	e0.50	e0.90
21	0.84	1.7	6.7	1.8	11	20	7.7	19	5.3	e1.5	e0.50	e1.1
22	0.71	1.7	e4.5	1.8	13	21	7.1	15	7.7	e1.4	e0.50	e4.3
23	0.63	1.6	e3.4	2.0	10	17	8.4	12	12	e2.1	e0.60	e4.7
24	0.93	1.5	10	4.3	e8.6	13	7.4	9.9	20	e2.8	e0.90	e1.6
25	0.89	1.6	e7.4	15	7.7	13	9.6	8.7	9.1	e1.6	e1.4	e1.2
26	e0.86	2.7	e3.4	e12	7.8	23	18	7.4	6.8	e1.3	e0.90	e0.90
27	e0.80	2.3	3.2	e11	16	135	12	6.6	7.3	e1.0	e0.70	e2.0
28	e0.76	2.1	2.5	10	e14	60	12	5.9	15	e1.2	e0.50	e9.9
29	e0.72	2.5	2.2	11	---	37	22	5.5	11	e1.9	e1.0	e4.9
30	e0.72	2.7	1.8	18	---	33	25	9.2	7.1	e1.4	e2.5	e2.3
31	e0.76	---	1.7	14	---	26	---	40	---	e1.0	e1.2	---
TOTAL	24.11	44.37	146.8	135.7	338.3	636.0	439.7	546.8	781.3	65.3	25.30	51.58
MEAN	0.78	1.48	4.74	4.38	12.1	20.5	14.7	17.6	26.0	2.11	0.82	1.72
MAX	1.7	2.7	20	18	52	135	31	54	231	5.2	2.5	9.9
MIN	0.40	0.82	1.3	1.1	5.0	6.8	7.1	5.5	5.3	1.0	0.40	0.19
CFSM	0.08	0.16	0.50	0.46	1.27	2.16	1.55	1.86	2.75	0.22	0.09	0.18
IN.	0.09	0.17	0.58	0.53	1.33	2.50	1.73	2.15	3.07	0.26	0.10	0.20

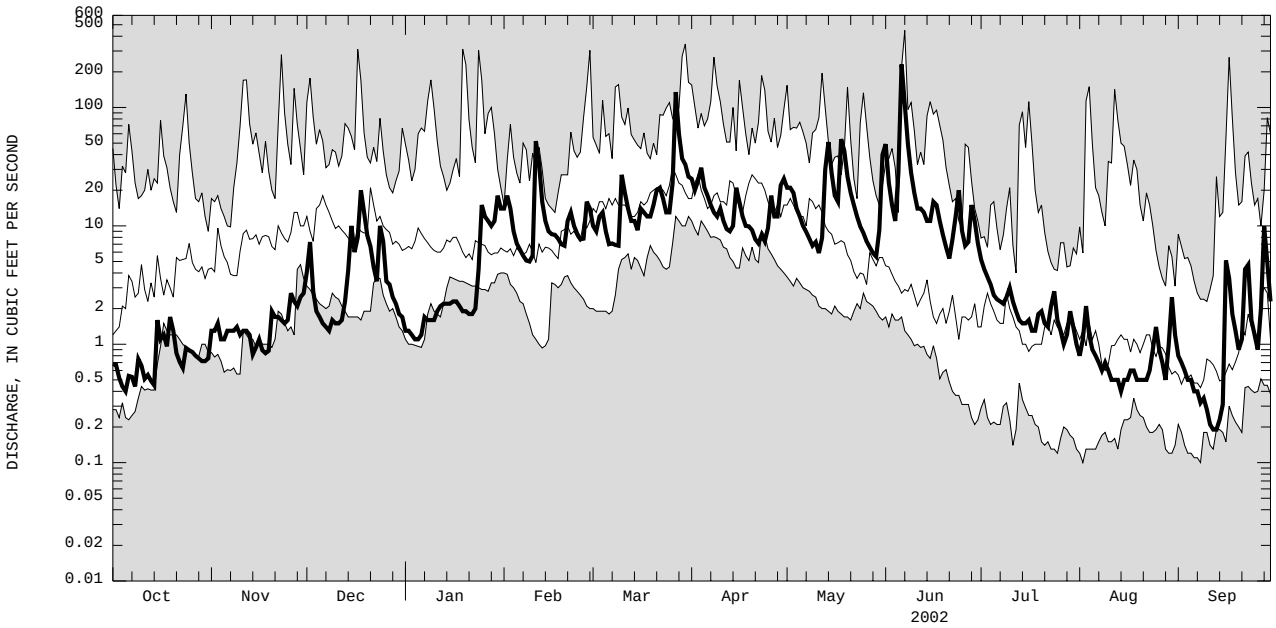
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	6.77	12.2	15.5	15.3	12.4	26.5	28.2	15.8	11.4	3.69	4.21	3.98
MAX	20.5	26.5	39.2	40.1	29.7	44.0	52.7	41.7	47.9	14.8	29.7	22.7
(WY)	2000	1992	1997	1996	2000	1994	1993	1996	2000	1996	2000	1999
MIN	0.78	1.48	2.32	4.38	3.44	13.1	7.70	3.51	1.13	0.32	0.43	0.49
(WY)	2002	2002	1999	2002	1993	1992	1999	2001	1995	1991	1993	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1991 - 2002		
ANNUAL TOTAL	3187.40		3235.26				
ANNUAL MEAN	8.73		8.86		13.0		
HIGHEST ANNUAL MEAN					21.9		2000
LOWEST ANNUAL MEAN					7.45		1995
HIGHEST DAILY MEAN	266	Apr 8	231	Jun 6	448	Jun 7	2000
LOWEST DAILY MEAN	0.14	Aug 30	0.19	Sep 12	0.10	Aug 2	1991
ANNUAL SEVEN-DAY MINIMUM	0.19	Aug 24	0.25	Sep 9	0.13	Sep 2	1995
ANNUAL RUNOFF (CFSM)	0.92		0.93		1.37		
ANNUAL RUNOFF (INCHES)	12.51		12.70		18.61		
10 PERCENT EXCEEDS	17		20		31		
50 PERCENT EXCEEDS	2.6		3.2		5.6		
90 PERCENT EXCEEDS	0.46		0.60		0.59		

e Estimated

01360640 VALATIE KILL NEAR NASSAU, NY--Continued



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.

01362192 PANTHER MOUNTAIN TRIBUTARY TO ESOPUS CREEK NEAR OLIVEREA, NY

LOCATION.--Lat 42°02'01", long 74°25'15", Ulster County, Hydrologic Unit 02020006, on left bank 40 ft downstream from culvert on Oliverea-Slide Mountain Road, about 3.0 mi south of Oliverea, and 6.3 mi south of Big Indian.
DRAINAGE AREA.--1.54 mi^2.
PERIOD OF RECORD.--October 2001 to September 2002.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,980 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41 ft^3/s, Mar. 10, 2002, gage height, 2.71 ft; minimum, no flow part or all of many days during 2002.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 25 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 10	0300	*41	*2.71	Mar. 26	2200	36	2.69

Minimum, no flow part or all of many days during October to November and July to September.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	0.00	2.0	0.87	8.3	1.1	7.3	4.6	1.5	0.49	0.00	0.00
2	e0.00	0.00	1.3	0.79	7.8	1.0	5.6	5.9	1.1	0.42	0.0	0.00
3	e0.00	0.00	1.2	0.75	5.5	6.0	4.9	6.4	1.0	0.35	0.02	0.00
4	e0.00	0.00	1.0	0.71	4.2	4.6	3.9	5.4	0.94	0.30	0.00	0.00
5	e0.00	0.00	0.94	0.68	3.2	4.3	3.2	4.4	1.0	0.25	0.00	0.00
6	e0.00	0.00	0.86	0.65	2.7	4.0	2.8	3.5	3.1	0.20	0.00	0.00
7	e0.00	0.00	0.80	0.68	2.4	3.5	2.4	3.1	6.1	0.16	0.00	0.00
8	e0.00	0.00	0.73	0.63	2.0	3.1	2.1	2.6	4.5	0.13	0.00	0.00
9	e0.00	0.00	0.69	0.60	1.7	2.9	2.0	2.4	3.5	0.10	0.00	0.00
10	e0.00	0.00	0.63	0.63	2.2	10	1.9	2.1	2.8	0.07	0.00	0.00
11	e0.00	0.00	0.59	0.62	6.2	5.4	1.6	1.7	2.3	0.04	0.00	0.00
12	e0.00	0.00	0.58	0.57	3.4	4.6	1.5	1.8	2.2	0.02	0.00	0.00
13	e0.00	0.00	0.64	0.54	3.1	3.9	1.7	5.6	1.9	0.00	0.00	0.00
14	e0.00	0.00	0.90	0.50	2.7	3.5	2.5	7.2	2.3	0.00	0.00	0.00
15	e0.00	0.00	1.2	0.46	2.4	3.0	5.4	6.2	2.6	0.00	0.00	0.00
16	e0.00	0.00	0.97	0.45	2.3	3.0	4.6	4.8	2.9	0.00	0.00	0.22
17	e0.00	0.00	1.1	0.44	2.1	2.7	4.0	3.9	2.4	0.00	0.00	0.01
18	e0.00	0.00	2.5	0.41	1.8	2.5	3.4	5.7	2.2	0.00	0.00	0.00
19	e0.00	0.00	1.9	0.38	1.6	2.4	3.3	5.0	2.0	0.12	0.00	0.00
20	e0.00	0.00	1.9	0.37	1.5	2.4	2.9	4.4	1.7	0.15	0.00	0.00
21	e0.00	0.00	1.7	0.36	1.7	2.4	2.5	3.9	1.6	0.02	0.00	0.00
22	e0.00	0.00	1.5	0.35	1.5	2.4	2.3	3.4	1.6	0.00	0.00	0.00
23	e0.00	0.00	1.3	0.35	1.4	2.1	2.0	3.0	1.5	0.00	0.00	0.00
24	e0.00	0.00	1.9	1.4	1.3	2.0	1.8	2.7	1.3	0.00	0.00	0.00
25	e0.00	0.00	1.5	1.7	1.2	1.9	2.0	2.3	1.1	0.00	0.00	0.00
26	e0.00	0.00	1.3	1.2	1.2	4.3	1.9	2.0	0.97	0.00	0.00	0.00
27	e0.00	0.00	1.3	1.2	1.3	14	1.6	1.7	0.87	0.00	0.00	1.1
28	e0.00	0.00	1.1	1.4	1.2	8.2	3.6	1.6	0.78	0.00	0.00	1.9
29	e0.00	0.00	1.1	2.1	---	7.6	5.5	1.4	0.67	0.00	0.27	0.59
30	0.00	0.89	0.99	4.7	---	9.3	5.2	1.3	0.57	0.00	0.30	0.31
31	0.00	---	0.94	4.4	---	8.4	---	1.7	---	0.00	0.00	---
TOTAL	0.00	0.89	37.06	30.89	77.9	136.5	95.4	111.7	59.00	2.82	0.59	4.13
MEAN	0.000	0.030	1.20	1.00	2.78	4.40	3.18	3.60	1.97	0.091	0.019	0.14
MAX	0.00	0.89	2.5	4.7	8.3	14	7.3	7.2	6.1	0.49	0.30	1.9
MIN	0.00	0.00	0.58	0.35	1.2	1.0	1.5	1.3	0.57	0.00	0.00	0.00
CFSM	0.00	0.02	0.78	0.65	1.81	2.86	2.06	2.34	1.28	0.06	0.01	0.09
IN.	0.00	0.02	0.90	0.75	1.88	3.30	2.30	2.70	1.43	0.07	0.01	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2002, BY WATER YEAR (WY)

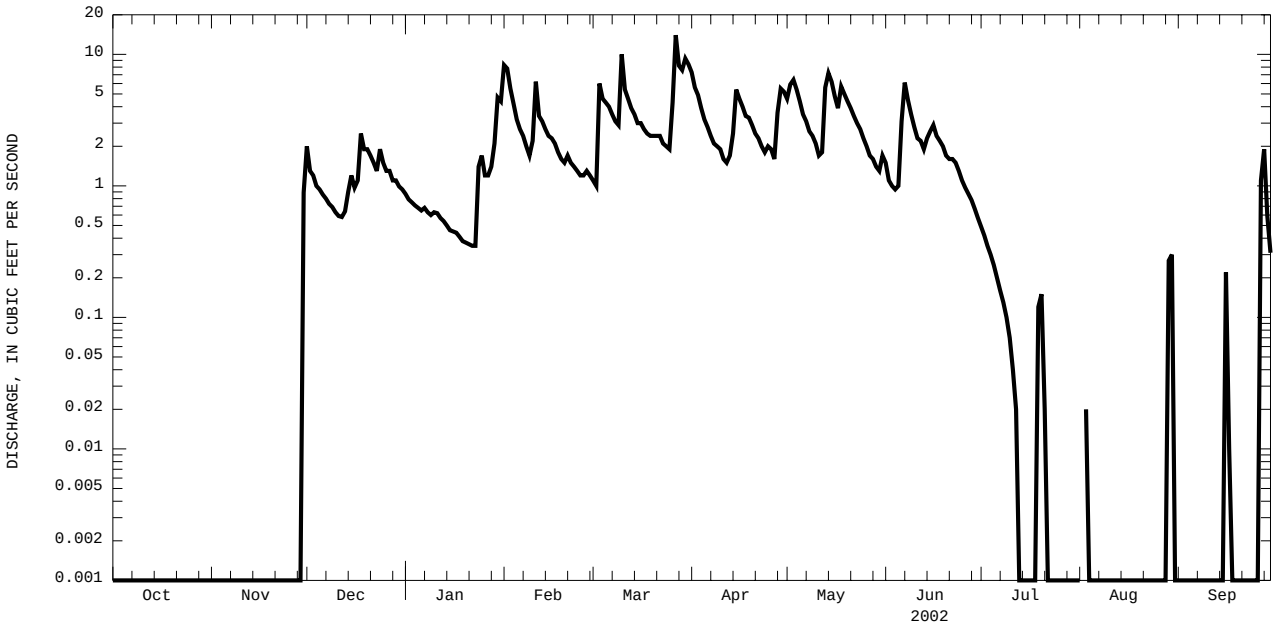
MEAN	0.000	0.030	1.20	1.00	2.78	4.40	3.18	3.60	1.97	0.091	0.019	0.14
MAX	0.000	0.030	1.20	1.00	2.78	4.40	3.18	3.60	1.97	0.091	0.019	0.14
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	0.000	0.030	1.20	1.00	2.78	4.40	3.18	3.60	1.97	0.091	0.019	0.14
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS **FOR 2002 WATER YEAR**

ANNUAL TOTAL	556.88	
ANNUAL MEAN	1.53	
HIGHEST DAILY MEAN	14	Mar 27
LOWEST DAILY MEAN	0.00	Oct 1
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 1
ANNUAL RUNOFF (CFSM)	0.99	
ANNUAL RUNOFF (INCHES)	13.45	
10 PERCENT EXCEEDS	4.4	
50 PERCENT EXCEEDS	0.86	
90 PERCENT EXCEEDS	0.00	

e Estimated

01362192 PANTHER MOUNTAIN TRIBUTARY TO ESOPUS CREEK NEAR OLIVEREA, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE. ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE.

013621955 BIRCH CREEK AT BIG INDIAN, NY

LOCATION.--Lat 42°06'32", long 74°27'08", Ulster County, Hydrologic Unit 02020006, on left bank 10 ft west of State Route 28, and 0.1 mi upstream from bridge on Lasher Road, at Big Indian.
DRAINAGE AREA.--12.5 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,240 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Seasonal diversion for snowmaking by Belleayre ski area at Pine Hill. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 857 ft^3/s, Dec. 17, 2000, gage height, 6.32 ft, recorded, outside gage height was 6.77 ft, from crest-stage gage, from rating curve extended above 170 ft^3/s on basis of step-backwater analysis of peak flow; minimum discharge, 1.7 ft^3/s, Sept. 14, 15, 20, 21, 2002; minimum gage height, 2.42 ft, Oct. 1, 6, 7, 1998, Sept. 3, 4, 5, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0015	*121	*3.57				

Minimum discharge, 1.7 ft^3/s, Sept. 14, 15, 20, 21, gage height, 2.45 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	2.7	14	e7.0	e50	20	63	48	24	13	3.8	2.6
2	3.5	2.7	9.8	e6.6	e45	23	55	50	21	12	4.5	2.5
3	3.4	2.7	9.2	6.3	44	34	53	47	19	12	4.4	2.4
4	3.2	2.6	8.6	5.9	42	29	48	43	18	11	3.7	7.2
5	3.1	2.7	8.2	5.5	34	27	42	40	20	9.8	4.1	3.3
6	3.2	2.7	7.7	5.6	32	28	39	38	34	9.5	3.6	2.9
7	3.0	2.7	7.5	e6.0	32	30	35	36	52	8.9	3.5	2.7
8	3.0	2.7	6.9	e5.4	30	29	34	33	45	8.4	3.4	2.6
9	2.9	2.7	6.1	5.1	31	30	34	31	43	8.4	3.3	2.4
10	2.7	2.7	5.6	5.2	34	54	34	29	39	7.8	3.1	2.2
11	2.7	2.7	5.7	5.2	59	39	31	26	35	7.3	3.0	2.0
12	2.7	3.1	6.5	5.1	39	45	30	27	35	7.0	2.9	2.0
13	2.7	2.7	6.8	4.9	40	43	30	48	31	6.6	2.8	1.9
14	2.7	2.7	8.5	4.8	37	43	33	44	31	6.2	2.8	1.9
15	3.9	2.7	9.5	4.8	e35	41	37	46	30	5.8	2.7	2.2
16	3.0	2.7	6.4	4.8	e34	46	34	58	33	5.5	2.6	3.0
17	3.0	3.3	7.2	4.7	e32	40	33	58	30	5.1	2.7	2.4
18	2.9	3.8	25	e4.7	29	38	32	73	28	5.1	2.6	2.3
19	2.7	3.8	20	e4.7	e22	29	32	62	27	6.9	2.4	2.2
20	2.8	4.5	20	e4.7	26	32	30	43	25	5.8	2.4	2.0
21	2.8	2.9	e18	e4.6	29	37	28	50	24	5.0	2.2	1.9
22	2.8	2.7	13	4.4	28	35	30	43	22	4.6	2.1	4.0
23	2.9	2.7	16	4.5	25	34	25	41	23	7.3	2.1	2.8
24	7.2	3.5	20	6.1	25	34	24	31	21	5.7	3.2	2.4
25	4.8	4.4	12	11	26	35	25	28	19	4.8	2.7	2.2
26	4.0	5.7	e9.0	11	26	42	24	26	18	4.5	2.3	2.2
27	4.0	5.5	7.9	12	27	60	22	23	17	4.7	2.2	6.5
28	3.9	5.1	7.5	14	24	51	34	22	15	4.9	2.1	12
29	3.8	5.4	7.2	17	---	49	44	25	15	5.8	7.0	5.9
30	3.8	9.9	7.0	37	---	65	62	24	14	4.3	3.8	4.5
31	3.3	---	e7.0	e39	---	61	---	27	---	3.9	2.9	---
TOTAL	104.1	106.7	323.8	267.6	937	1203	1077	1220	808	217.6	96.9	97.1
MEAN	3.36	3.56	10.4	8.63	33.5	38.8	35.9	39.4	26.9	7.02	3.13	3.24
MAX	7.2	9.9	25	39	59	65	63	73	52	13	7.0	12
MIN	2.7	2.6	5.6	4.4	22	20	22	22	14	3.9	2.1	1.9
CFSM	0.27	0.28	0.84	0.69	2.68	3.10	2.87	3.15	2.15	0.56	0.25	0.26
IN.	0.31	0.32	0.96	0.80	2.79	3.58	3.21	3.63	2.40	0.65	0.29	0.29

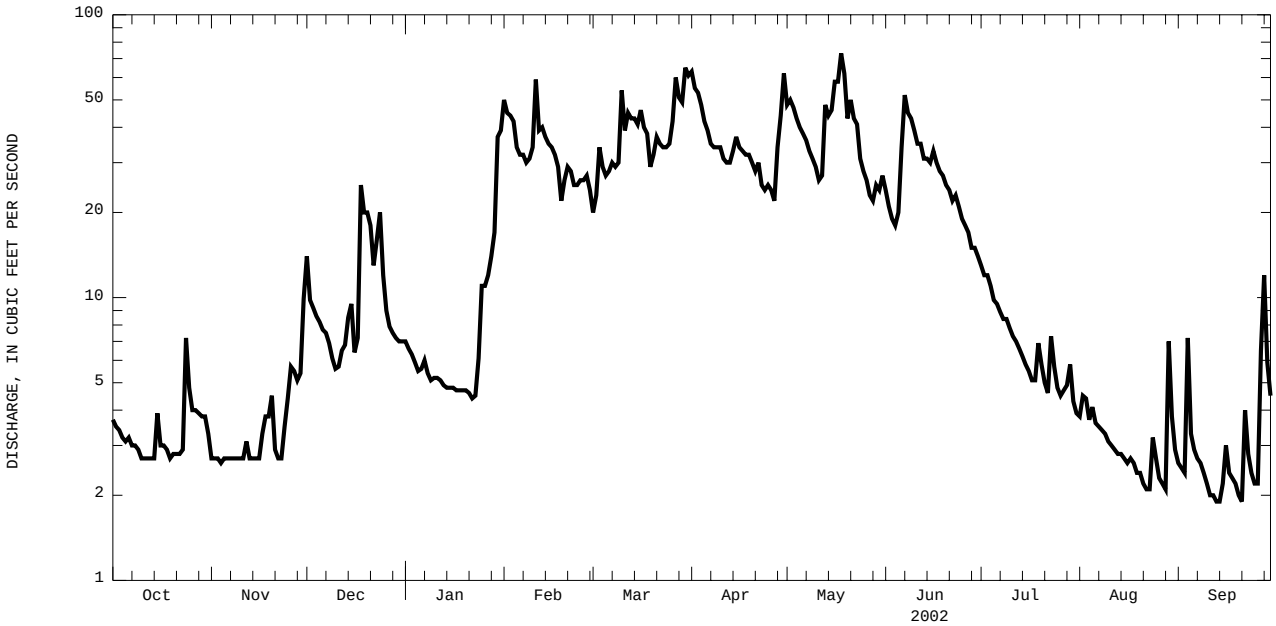
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	9.33	11.0	19.2	20.3	29.2	41.8	59.2	30.5	25.9	12.6	6.86	9.20
MAX	22.6	28.5	40.2	45.9	33.5	73.0	104	45.6	48.1	18.1	17.1	22.6
(WY)	2000	2000	2001	1999	2002	2000	2001	2000	2000	2000	2000	1999
MIN	3.36	3.56	5.20	8.63	21.4	20.8	35.8	17.7	10.4	7.02	2.77	3.24
(WY)	2002	2002	1999	2002	2001	2001	1999	2001	1999	2002	2001	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	6807.0		6458.8			
ANNUAL MEAN	18.6		17.7		22.8	
HIGHEST ANNUAL MEAN					32.1	2000
LOWEST ANNUAL MEAN					17.7	2002
HIGHEST DAILY MEAN	287	Apr 13	73	May 18	319	Dec 17 2000
LOWEST DAILY MEAN	2.2	Aug 26	1.9	Sep 13	1.9	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	2.3	Aug 24	2.1	Sep 9	2.1	Sep 9 2002
ANNUAL RUNOFF (CFSM)	1.49		1.42		1.83	
ANNUAL RUNOFF (INCHES)	20.26		19.22		24.82	
10 PERCENT EXCEEDS	33		43		50	
50 PERCENT EXCEEDS	10		8.4		14	
90 PERCENT EXCEEDS	2.7		2.7		3.2	

e Estimated

013621955 BIRCH CREEK AT BIG INDIAN, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01362200 ESOPUS CREEK AT ALLABEN, NY
(National water-quality assessment program station)

LOCATION.--Lat 42°07'01", long 74°22'50", Ulster County, Hydrologic Unit 02020006, on right bank, 20 ft downstream from bridge on Fox Hollow Road, 200 ft downstream from Fox Hollow Creek, 600 ft upstream from Peck Hollow Creek, and 0.5 mi west of Allaben. Water-quality sampling site at discharge station.
DRAINAGE AREA.--63.7 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to current year. Prior to October 1988, published as "at Shandaken" (01362198).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 998.04 ft above NGVD of 1929. Prior to November 22, 1988, at site 0.5 mi upstream at datum 19.23 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional slight regulation when filling or draining swimming pools or small ponds upstream from station. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,100 ft^3/s, Apr. 4, 1987, gage height, 13.70 ft, from floodmarks, site and datum then in use, from rating curve extended above 3,000 ft^3/s, on basis of slope-area measurement of peak flow, at site 0.5 mi upstream, includes undetermined amount of flow bypassing gage; minimum discharge, 2.1 ft^3/s, Sept. 16, 1983 (result of slight regulation upstream from station).
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951 reached a stage of about 15.1 ft, at previous site and datum, from information supplied by local residents, discharge about 20,000 ft^3/s, from rating curve extended as explained above.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0215	*520	*4.81				

Minimum discharge, 6.3 ft^3/s, Aug. 19, 21, 22, 23, 24, Sept. 14, 15, gage height, 2.88 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	14	117	e60	260	75	361	285	121	48	12	12
2	21	14	96	e58	291	72	308	293	103	45	13	11
3	19	14	79	e54	266	128	286	324	94	40	13	9.9
4	18	14	72	e50	238	126	256	295	85	38	12	19
5	17	15	65	46	196	121	229	262	91	35	14	11
6	17	15	60	44	174	126	204	229	137	33	12	9.9
7	16	14	55	e43	153	127	184	206	260	31	11	9.2
8	15	14	52	e42	140	120	169	188	253	28	10	8.6
9	15	14	51	e41	122	117	158	175	235	27	9.7	8.1
10	14	14	46	41	119	267	155	155	207	26	9.3	8.0
11	14	14	42	41	226	223	139	137	184	24	8.8	7.5
12	13	14	41	39	182	216	132	137	174	23	8.4	7.0
13	13	14	43	37	e160	202	130	206	155	21	8.0	6.8
14	12	13	51	36	e150	191	154	270	152	21	7.9	6.7
15	15	13	66	35	e140	178	228	285	149	19	7.8	7.4
16	15	13	59	33	e130	182	223	273	161	18	7.5	11
17	15	13	65	33	e120	167	212	256	146	17	7.4	8.1
18	14	14	120	31	e120	160	199	319	137	17	7.1	8.3
19	14	14	123	e31	113	152	196	293	128	19	6.7	8.4
20	14	15	123	e31	108	153	187	280	116	19	6.8	8.0
21	13	14	116	e31	109	153	171	264	108	18	6.5	7.5
22	13	12	104	e30	104	147	157	244	102	16	6.5	13
23	13	13	102	31	99	135	144	221	101	18	6.6	9.4
24	19	13	111	36	96	129	132	203	94	17	9.5	8.3
25	17	15	101	61	94	123	133	185	79	15	9.0	7.9
26	15	17	93	61	87	136	129	166	73	15	7.3	7.8
27	16	17	81	66	95	373	114	147	67	15	6.9	20
28	16	17	75	72	83	326	166	135	61	15	6.6	71
29	15	18	70	84	---	315	258	121	56	17	21	36
30	15	27	66	161	---	350	275	110	51	14	15	25
31	15	---	e64	205	---	363	---	121	---	12	14	---
TOTAL	480	442	2409	1664	4175	5653	5789	6785	3880	721	301.3	391.8
MEAN	15.5	14.7	77.7	53.7	149	182	193	219	129	23.3	9.72	13.1
MAX	22	27	123	205	291	373	361	324	260	48	21	71
MIN	12	12	41	30	83	72	114	110	51	12	6.5	6.7
CFSM	0.24	0.23	1.22	0.84	2.34	2.86	3.03	3.44	2.03	0.37	0.15	0.21
IN.	0.28	0.26	1.41	0.97	2.44	3.30	3.38	3.96	2.27	0.42	0.18	0.23

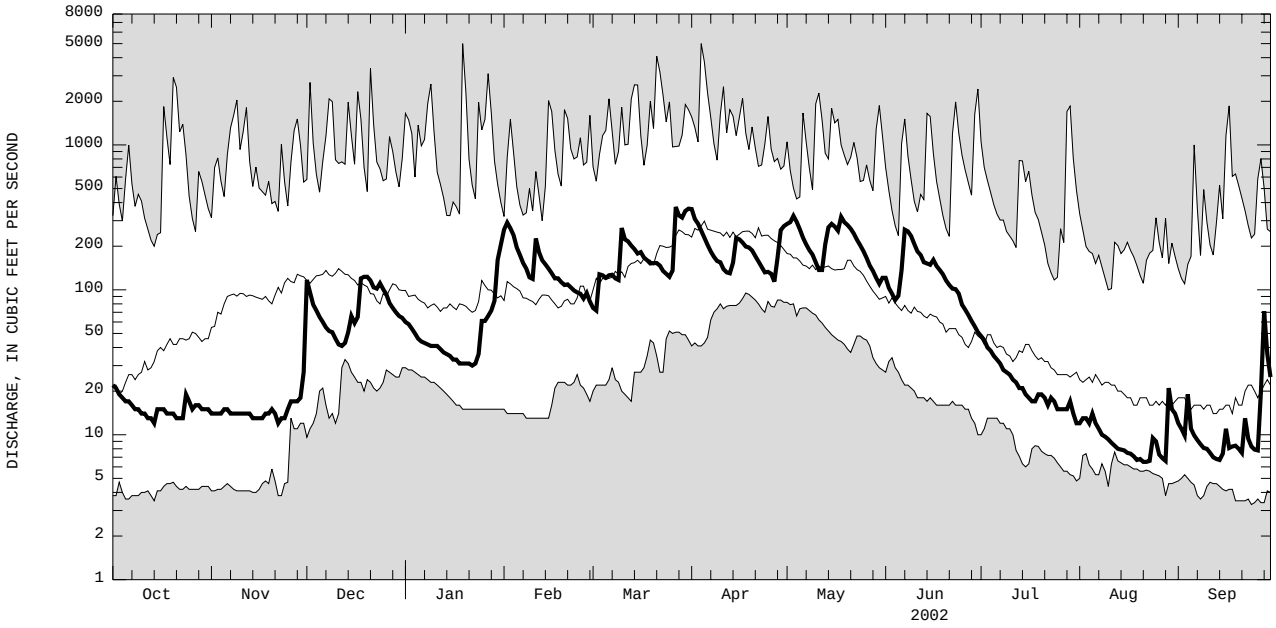
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2002, BY WATER YEAR (WY)

MEAN	81.9	140	164	152	144	249	331	198	107	57.2	30.7	42.6
MAX	370	346	496	557	385	553	827	511	363	212	102	213
(WY)	1978	1973	1974	1996	1981	1977	1993	1989	1973	1996	2000	1987
MIN	4.16	5.58	39.3	19.4	29.6	69.9	123	67.3	19.4	8.94	6.30	4.23
(WY)	1965	1965	1999	1981	1987	1970	1995	1987	1965	1965	1964	1964

e Estimated

01362200 ESOPUS CREEK AT ALLABEN, NY--Continued
(National water-quality assessment program station)

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1964 - 2002	
ANNUAL TOTAL	34028.4		32691.1			
ANNUAL MEAN	93.2		89.6		141	
HIGHEST ANNUAL MEAN					224	1996
LOWEST ANNUAL MEAN					59.8	1965
HIGHEST DAILY MEAN	1750	Apr 13	373	Mar 27	5000	Apr 4 1987
LOWEST DAILY MEAN	7.0	Aug 30	6.5	Aug 21	3.3	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	7.6	Aug 25	6.8	Aug 17	3.5	Sep 22 1964
ANNUAL RUNOFF (CFSM)	1.46		1.41		2.22	
ANNUAL RUNOFF (INCHES)	19.87		19.09		30.11	
10 PERCENT EXCEEDS	177		227		310	
50 PERCENT EXCEEDS	52		55		78	
90 PERCENT EXCEEDS	11		9.5		13	



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.

01362200 ESOPUS CREEK AT ALLABEN, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-95, October 2000 to current year. Published as Esopus Creek at Shandaken (01362198), October 1963 to September 1988, October 1989 to August 1992 (non-daily record).
CHEMICAL DATA: 1963 (a), 1964 (b), 1965 (a), 1966 (b), 1967 (c), 1968-82 (d), 1983 (c), 1984 (b), 1985 (c), 1986 (b), 1987 (a), 1988-92 (b), 1993 (c), 1994 (d), 1995 (c), 2001 (d), 2002 (c).
MINOR ELEMENTS DATA: 1964 (b), 1965, 1967-73, 1975-76 (a), 1977 (b), 1978-84 (a), 1985-86 (b), 1987 (a), 1988-92 (b), 1993 (a).
RADIOCHEMICAL DATA: 1967-77, 1979-85, 1988-92 (a).
PESTICIDE DATA: 1967-71 (a), 1972 (b), 1974-77, 1979-82, 1993-94 (a), 2001 (d).
ORGANIC DATA: OC--1972, 1974, 1979 (a), 1981-82, 1993 (c), 1994 (d), 1995 (c).
PCB--1972, 1974-77, 1979-82, 1993 (a).
PCN--1977, 1979-82, 1993 (a).
NUTRIENT DATA: 1963 (a), 1964 (b), 1965 (a), 1966 (b), 1967 (c), 1968-82 (d), 1983 (c), 1984 (b), 1985 (c), 1986 (b), 1987 (a), 1988-92 (b), 1993 (c), 1994 (d), 1995 (c), 2001 (d), 2002 (c).
BIOLOGICAL DATA:
Bacteria--1968-69 (d), 1970-72 (c), 1973-82 (d), 1983-85 (b), 1986-88 (a), 1990-92 (b), 1993 (a).
Benthic invertebrate--1993-95 (a).
Fish community--1993-95 (a).
Phytoplankton--1993 (a).
SEDIMENT DATA: 1969 (d), 1970-71 (c), 1972-73 (d), 1974 (c), 1975, 1977-78 (d), 1979 (c), 1980-82 (d), 1983-86, 1988-92 (b), 1993 (c), 1994 (d), 1995 (c), 2001 (d), 2002 (c).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: July 1963 to July 1968, January 1970 to May 1994, February to September 1995. Prior to October 1988, published as Esopus Creek at Shandaken (01362198).

REMARKS.--A sampling method code of 10 indicates an equal-width increment sample.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum (water years 1963-76, 1978-80, 1982, 1985-86, 1989-93), 28.5°C, Aug. 16, 1965, Aug. 9, 1980, July 10, 1993; minimum, 0.0°C on many days during winter periods except water years 1967 and 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT													
02...	0900	21	10	739	11.1	101	7.6	78	17.0	11.5	16	8.57	5.6
DEC													
06...	1045	59	10	739	11.4	98	7.0	58	24.0	9.0	12	5.51	5.7
FEB													
07...	1010	154	10	740	14.5	103	6.5	55	8.0	1.5	9	7.24	5.4
APR													
02...	1015	310	10	740	12.5	99	6.9	48	10.5	5.0	6	5.89	5.0
JUN													
03...	0945	97	10	741	10.8	100	7.0	53	21.0	12.0	11	5.49	5.1
AUG													
07...	1000	11	10	742	--	--	7.7	73	20.0	18.0	25	8.87	5.6

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT										
02...	E.04	<.10	<.08	.33	.011	<.006	.02	.004	78	1.0
DEC										
06...	<.04	<.10	E.06	.28	<.008	E.003	<.02	.004	75	2.0
FEB										
07...	<.04	<.10	<.10	.38	<.008	E.004	<.02	E.003	75	1.0
APR										
02...	<.04	E.05	E.06	.22	<.008	E.004	<.02	.006	79	2.0
JUN										
03...	<.04	E.07	E.07	.08	<.008	<.004	<.02	.008	87	1.0
AUG										
07...	<.04	E.10	E.06	E.04	<.008	.007	<.02	.010	78	1.0

E Estimated

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY

LOCATION.--Lat 42°06'52", long 74°21'51", Ulster County, Hydrologic Unit 02020006, on left bank at outlet of Shandaken tunnel on Esopus Creek, 70 ft upstream from State Route 28 bridge, and 3.3 mi northwest of Phoenicia. Water-quality sampling site at discharge station.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1924 to September 1950 and October 1960 to September 1996 (monthly and yearly discharge only), December 1996 to current year. (Prior to October 1950, published in WSP 1302, October 1960 to September 1970, in WSP 2102.) Records for October 1950 to September 1960 are unpublished and available in files of the Geological Survey.
GAGE.--Water-stage recorder. Concrete control since May 8, 1998. Elevation of gage is 800 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges and those below 20 ft^3/s, which are poor. Flow completely regulated by Schoharie Reservoir. Records prior to October 1996 provided by Department of Environmental Protection, City of New York. Telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 933 ft^3/s, Apr. 22, 23, 24, 25, 1999, gage height, 5.58 ft; minimum discharge, 0.08 ft^3/s, part of each day Apr. 20-26, 2001; minimum gage height since concrete control, 1.86 ft, part of each day Apr. 20-26, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 758 ft^3/s, May 24, gage height, 5.24 ft; minimum, 8.7 ft^3/s, Nov. 21, gage height, 2.31 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	269	148	31	106	121	553	633	701	730	210	e230	e180
2	161	146	47	106	127	542	645	706	733	211	e230	e170
3	158	145	74	106	134	532	626	709	733	239	e220	e170
4	157	143	83	106	146	534	635	710	736	302	e220	e170
5	157	142	82	106	160	536	644	703	735	303	e220	e170
6	156	141	82	105	149	533	648	705	521	300	e220	e170
7	156	154	82	104	142	530	650	703	290	300	e220	e170
8	156	163	82	104	143	526	648	701	494	300	e220	e170
9	155	134	83	104	145	521	645	698	501	299	e210	e170
10	154	83	84	103	146	517	645	699	504	299	e210	e170
11	153	59	83	103	148	530	647	699	478	298	e210	e160
12	152	44	83	104	145	537	644	698	445	299	e210	e160
13	151	31	85	105	311	537	643	700	446	296	e210	e160
14	151	22	86	104	661	532	642	712	517	293	e210	e160
15	148	14	86	104	722	532	646	715	637	291	e200	e160
16	142	13	88	105	726	530	656	720	638	287	e200	e160
17	142	12	89	105	724	532	659	719	600	288	e200	e160
18	141	11	89	105	653	532	665	722	489	290	e200	e160
19	141	12	91	105	611	531	669	726	394	378	e200	e160
20	139	15	93	105	606	530	673	730	358	528	e200	e150
21	139	17	95	105	601	530	674	727	359	523	e190	e150
22	149	22	97	104	598	531	673	730	360	425	e190	e150
23	159	21	98	103	596	528	676	726	361	265	e190	e140
24	159	20	99	104	588	527	672	728	361	248	e190	e120
25	157	21	101	105	580	530	668	727	360	241	e190	e110
26	157	24	102	107	572	527	667	722	361	e240	e190	103
27	155	25	103	108	566	550	665	727	333	e230	e190	111
28	154	25	103	109	558	587	663	735	269	e230	e180	128
29	152	30	105	110	---	603	675	732	211	e230	e180	129
30	150	30	106	113	---	602	692	731	211	e230	e180	129
31	149	---	106	117	---	621	---	731	---	e230	e180	---
TOTAL	4819	1867	2718	3280	11379	16783	19688	22192	14165	9103	6290	4570
MEAN	155	62.2	87.7	106	406	541	656	716	472	294	203	152
MAX	269	163	106	117	726	621	692	735	736	528	230	180
MIN	139	11	31	103	121	517	626	698	211	210	180	103

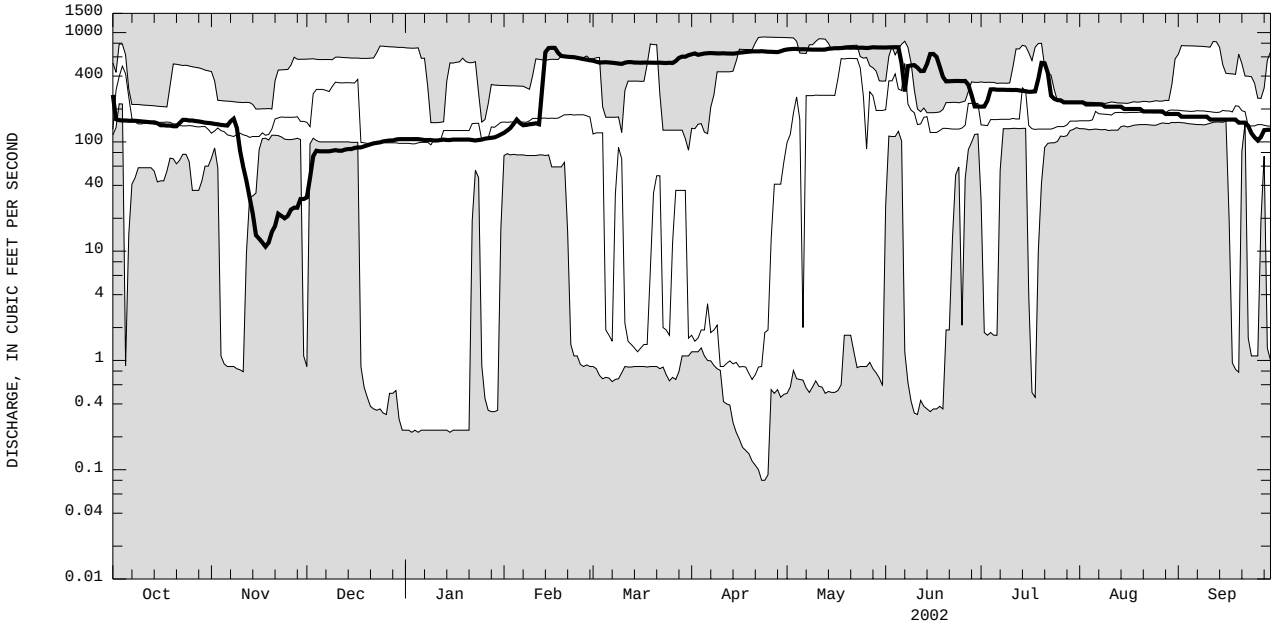
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

MEAN	196	144	281	159	264	166	216	370	248	235	191	242
MAX	335	243	562	285	456	541	656	716	472	363	230	529
(WY)	2001	1998	2000	2000	2000	2002	2002	2002	2002	2001	1998	2000
MIN	85.4	62.2	87.7	4.66	54.6	0.86	0.99	18.1	103	133	138	96.5
(WY)	2000	2002	2002	1997	1997	1997	1997	1997	2000	1999	1997	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	61976.73		116854			
ANNUAL MEAN	170		320		245	
HIGHEST ANNUAL MEAN					320	2002
LOWEST ANNUAL MEAN					199	2001
HIGHEST DAILY MEAN	765	Jul 14	736	Jun 4	913	Apr 24 1999
LOWEST DAILY MEAN	0.08	Apr 23	11	Nov 18	0.08	Apr 23 2001
ANNUAL SEVEN-DAY MINIMUM	0.10	Apr 19	13	Nov 15	0.10	Apr 19 2001
10 PERCENT EXCEEDS	289		699		601	
50 PERCENT EXCEEDS	142		210		162	
90 PERCENT EXCEEDS	37		87		1.8	

e Estimated

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY--Continued



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.

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: July 1997 to current year.
INSTRUMENTATION.--Water-temperature recorder and telephone telemeter provides 15-minute-interval readings.
REMARKS.--Interruptions of record were due to malfunction of recording instrument. Also published as a NAWQA water-quality miscellaneous site.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 24.5°C, Aug. 6, 2002; minimum (water years 1998-99, 2002), 0.0°C, Jan. 19, 1999, and may have also occurred during period of missing record January 1999.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 24.5°C, Aug. 6; minimum, 0.5°C, Jan. 25, 26.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.5	15.5	16.0	9.5	7.5	8.0	10.0	8.0	9.0	2.5	2.0	2.0
2	16.5	15.0	15.5	10.5	9.0	9.5	10.5	8.5	10.0	2.0	2.0	2.0
3	16.0	15.0	15.5	12.0	10.5	11.0	8.5	5.5	7.0	2.0	1.5	1.5
4	16.0	15.5	15.5	11.5	10.0	10.5	6.5	4.5	5.5	1.5	1.5	1.5
5	16.5	15.5	15.5	11.0	8.5	9.5	7.5	5.5	6.5	1.5	1.5	1.5
6	16.0	12.5	14.5	8.5	7.0	8.0	9.5	7.5	8.5	1.5	1.5	1.5
7	15.0	14.0	14.5	8.5	7.5	8.0	9.5	8.0	9.0	1.5	1.5	1.5
8	14.0	12.5	13.0	8.5	6.5	7.5	9.0	5.5	7.0	1.5	1.5	1.5
9	13.0	12.0	12.5	8.0	7.0	7.5	5.5	3.5	4.5	1.5	1.0	1.0
10	12.5	11.5	12.0	7.5	5.5	6.5	4.0	1.5	3.0	1.0	1.0	1.0
11	13.0	12.0	12.5	7.0	6.0	6.5	3.5	2.5	3.0	1.0	1.0	1.0
12	13.0	12.5	12.5	6.5	5.0	5.5	4.0	2.0	3.0	1.5	1.0	1.0
13	13.5	12.5	13.0	5.5	4.0	5.0	4.0	3.0	3.5	1.5	1.0	1.5
14	13.5	11.5	12.5	5.5	4.0	4.5	6.5	4.0	5.5	1.5	1.5	1.5
15	13.5	11.0	12.0	5.5	5.0	5.0	6.5	5.5	6.0	1.5	1.5	1.5
16	13.5	13.0	13.5	6.0	5.5	6.0	5.5	2.5	4.0	1.5	1.5	1.5
17	13.0	11.5	12.0	8.0	6.0	7.0	3.0	2.5	3.0	1.5	1.5	1.5
18	12.0	10.5	11.5	8.5	8.0	8.0	3.5	2.5	3.0	1.5	1.5	1.5
19	11.5	10.5	11.0	8.0	7.0	8.0	4.0	3.5	3.5	1.5	1.5	1.5
20	11.0	10.0	10.5	7.5	6.5	7.0	4.0	3.5	3.5	1.5	1.5	1.5
21	11.5	10.5	11.0	7.5	7.0	7.5	3.5	2.0	3.0	1.5	1.5	1.5
22	12.0	11.5	11.5	7.0	6.0	6.5	2.5	1.0	1.5	1.5	1.5	1.5
23	11.5	11.0	11.0	6.5	5.5	6.0	2.0	1.0	1.5	1.5	1.5	1.5
24	12.5	11.0	11.5	6.0	5.0	5.5	2.5	1.5	2.0	1.5	1.5	1.5
25	13.5	12.5	13.0	6.5	5.5	5.5	2.5	2.0	2.0	1.5	0.5	0.5
26	13.5	10.5	11.5	9.0	6.5	8.0	2.5	2.0	2.0	1.0	0.5	1.0
27	10.5	9.0	9.5	8.5	8.0	8.5	2.5	2.5	2.5	1.5	1.0	1.0
28	9.5	7.5	8.5	8.0	8.0	8.0	2.5	2.0	2.5	1.5	1.5	1.5
29	9.5	7.5	8.5	9.0	8.0	8.5	2.5	2.0	2.5	1.5	1.5	1.5
30	10.0	8.5	9.0	8.0	8.0	8.0	2.5	2.0	2.5	2.5	1.5	2.0
31	10.0	7.5	8.5	---	---	---	2.5	2.0	2.5	3.0	2.0	2.5
MONTH	16.5	7.5	12.2	12.0	4.0	7.3	10.5	1.0	4.3	3.0	0.5	1.5

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.0	2.0	2.0	3.5	2.5	3.0	6.0	4.5	5.0	9.5	8.5	8.5
2	2.5	1.0	2.0	3.0	2.5	2.5	6.0	5.0	5.5	9.0	8.0	8.5
3	1.5	1.0	1.5	3.0	2.0	2.5	5.5	5.0	5.0	9.0	8.0	8.5
4	1.5	1.5	1.5	4.0	2.5	3.5	5.5	5.5	5.5	9.5	8.5	8.5
5	2.0	1.5	1.5	2.5	1.5	2.5	5.5	5.0	5.0	9.5	8.5	8.5
6	2.0	1.5	1.5	2.5	1.5	2.0	5.0	5.0	5.0	9.0	8.0	8.5
7	1.5	1.5	1.5	2.5	2.0	2.5	5.0	4.5	4.5	10.0	8.0	9.0
8	1.5	1.5	1.5	3.5	2.5	2.5	4.5	4.0	4.5	11.5	10.0	11.0
9	2.0	1.5	1.5	4.5	3.0	3.5	5.0	4.5	4.5	11.5	8.5	9.5
10	1.5	1.5	1.5	7.0	4.5	5.5	6.0	5.0	5.5	11.5	9.0	10.0
11	2.0	1.5	2.0	6.0	3.5	4.0	6.0	5.5	6.0	12.0	11.0	11.5
12	2.0	1.5	2.0	3.5	2.5	3.0	6.5	5.5	6.0	12.0	10.5	11.0
13	2.0	1.5	1.5	3.0	2.5	3.0	7.0	6.0	6.5	11.5	10.5	11.0
14	1.5	1.5	1.5	3.5	2.5	3.0	8.5	6.5	7.5	11.0	10.5	10.5
15	1.5	1.5	1.5	5.0	3.5	4.0	9.0	7.0	8.0	11.0	10.5	11.0
16	1.5	1.5	1.5	6.0	5.0	5.5	9.5	7.5	8.5	11.0	10.0	10.5
17	2.0	1.5	1.5	5.5	4.5	5.0	10.5	8.0	9.0	12.0	10.0	11.0
18	2.0	2.0	2.0	5.0	4.0	4.5	11.0	8.5	10.0	12.0	11.5	11.5
19	2.0	2.0	2.0	4.0	3.0	3.5	12.5	8.5	10.5	11.5	10.5	11.0
20	2.0	2.0	2.0	4.0	3.5	3.5	13.0	10.0	11.5	11.0	10.5	11.0
21	2.0	2.0	2.0	3.5	3.0	3.5	14.0	10.5	12.0	11.0	10.0	10.5
22	2.5	2.0	2.5	4.0	3.0	3.5	12.5	10.0	11.0	10.5	10.0	10.5
23	2.5	2.5	2.5	3.5	2.0	2.5	12.0	11.0	12.0	10.5	10.0	10.0
24	3.0	2.5	2.5	3.0	2.0	2.5	11.5	9.0	10.0	11.5	10.0	10.5
25	3.0	2.5	3.0	3.0	2.0	2.5	11.0	7.0	8.5	12.0	10.5	11.0
26	3.0	2.5	3.0	3.5	3.0	3.0	9.5	7.5	9.0	11.5	10.0	10.5
27	3.0	3.0	3.0	3.5	2.0	3.0	10.0	9.0	9.5	12.5	11.5	12.0
28	3.5	3.0	3.0	3.0	2.5	3.0	10.0	8.5	9.0	12.0	11.5	11.5
29	---	---	---	4.0	3.0	3.5	9.0	8.5	9.0	12.5	11.5	12.0
30	---	---	---	5.0	4.0	4.5	9.0	8.5	8.5	13.0	11.5	12.0
31	---	---	---	5.5	4.5	5.0	---	---	---	13.0	10.5	12.0
MONTH	3.5	1.0	2.0	7.0	1.5	3.4	14.0	4.0	7.7	13.0	8.0	10.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.5	12.0	13.5	14.5	12.0	14.0	21.0	18.5	19.5	21.5	20.0	20.5
2	16.5	12.0	14.0	14.5	13.0	14.0	21.5	19.0	20.0	21.0	20.0	20.5
3	15.5	12.0	14.0	15.0	12.0	14.0	21.5	18.5	20.0	21.0	20.0	20.5
4	14.5	12.5	13.5	15.5	13.0	14.5	21.0	19.0	20.0	---	---	---
5	14.5	13.0	14.0	16.5	13.0	14.5	21.0	19.5	20.5	---	---	---
6	15.0	11.0	14.0	16.0	13.5	15.0	24.5	20.0	22.0	---	---	---
7	14.0	11.0	12.0	16.0	13.0	15.0	23.5	19.5	21.5	---	---	---
8	14.5	12.5	13.5	16.0	13.0	15.0	23.0	20.0	21.0	---	---	---
9	14.0	13.5	14.0	15.5	14.0	15.0	22.0	20.5	21.0	---	---	---
10	14.5	13.0	14.0	16.5	13.5	15.0	22.0	20.5	21.0	---	---	---
11	14.5	13.5	14.0	17.5	13.0	15.0	21.5	20.5	21.0	---	---	---
12	15.0	13.0	14.0	16.5	13.0	15.5	22.0	20.5	21.5	---	---	---
13	15.0	12.5	14.0	16.5	14.5	15.5	22.0	21.0	21.5	---	---	---
14	15.5	14.0	14.5	16.5	15.0	15.5	22.5	20.0	21.5	---	---	---
15	15.0	14.5	15.0	17.0	15.0	16.0	23.0	20.5	21.5	---	---	---
16	15.5	14.5	15.0	18.5	14.5	16.0	22.5	21.0	21.5	---	---	---
17	15.5	14.5	15.0	18.0	14.0	16.5	23.0	21.5	22.0	---	18.5	---
18	15.5	14.5	15.0	18.0	15.5	16.5	22.5	21.5	22.0	20.0	18.5	19.0
19	15.0	13.5	14.5	20.5	15.5	17.5	24.0	21.0	22.0	19.0	18.0	18.5
20	15.0	13.0	14.0	20.5	18.5	20.0	23.5	21.5	22.5	18.5	17.5	18.0
21	15.0	13.5	14.0	21.0	19.0	20.0	23.5	21.5	22.0	19.0	18.0	18.5
22	15.0	14.0	14.5	21.5	17.0	19.5	23.0	20.0	22.0	20.0	19.0	19.5
23	15.0	13.5	14.5	19.5	17.0	18.0	24.0	22.0	23.0	20.0	18.5	19.0
24	15.5	13.0	14.5	18.5	15.5	17.5	23.0	21.5	22.0	19.5	18.5	19.0
25	15.5	13.5	14.5	18.5	17.0	18.0	23.0	21.5	22.5	---	---	---
26	15.0	13.5	14.5	19.0	17.0	18.0	23.0	21.0	22.0	19.0	17.5	18.0
27	15.5	14.0	14.5	20.0	18.0	19.0	23.0	21.5	22.0	18.0	17.0	17.5
28	16.0	12.5	14.0	20.0	18.0	18.5	23.0	21.5	22.0	17.5	16.0	16.5
29	15.0	12.0	14.0	21.0	18.0	19.5	22.0	21.5	22.0	17.0	15.5	16.0
30	14.5	11.5	13.5	21.5	17.5	19.5	22.0	21.0	21.5	17.5	16.0	17.0
31	---	---	---	21.0	17.5	19.0	21.5	20.0	21.0	---	---	---
MONTH	16.5	11.0	14.1	21.5	12.0	16.7	24.5	18.5	21.5	---	---	---

01362342 HOLLOW TREE BROOK AT LANESVILLE, NY

LOCATION.--Lat 42°08'32", long 74°15'55", Greene County, Hydrologic Unit 02020006, on left bank downstream from bridge on Diamond Notch Road, about 1.0 mi upstream from mouth, and about 1.0 mi north of Lanesville.
DRAINAGE AREA.--1.95 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,480 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 263 ft^3/s, Sept. 16, 1999, gage height, 3.69 ft, from rating curve extended above 60 ft^3/s on basis of step-backwater analysis; minimum, no flow Sept. 18, 19, 2001, as a result of temporary drainage of gage pool by local fire department; minimum gage height, 0.55 ft, Sept. 18, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 1	0200	*15	*2.40				

Minimum discharge, 0.14 ft^3/s, Sept. 26, gage height, 1.44 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

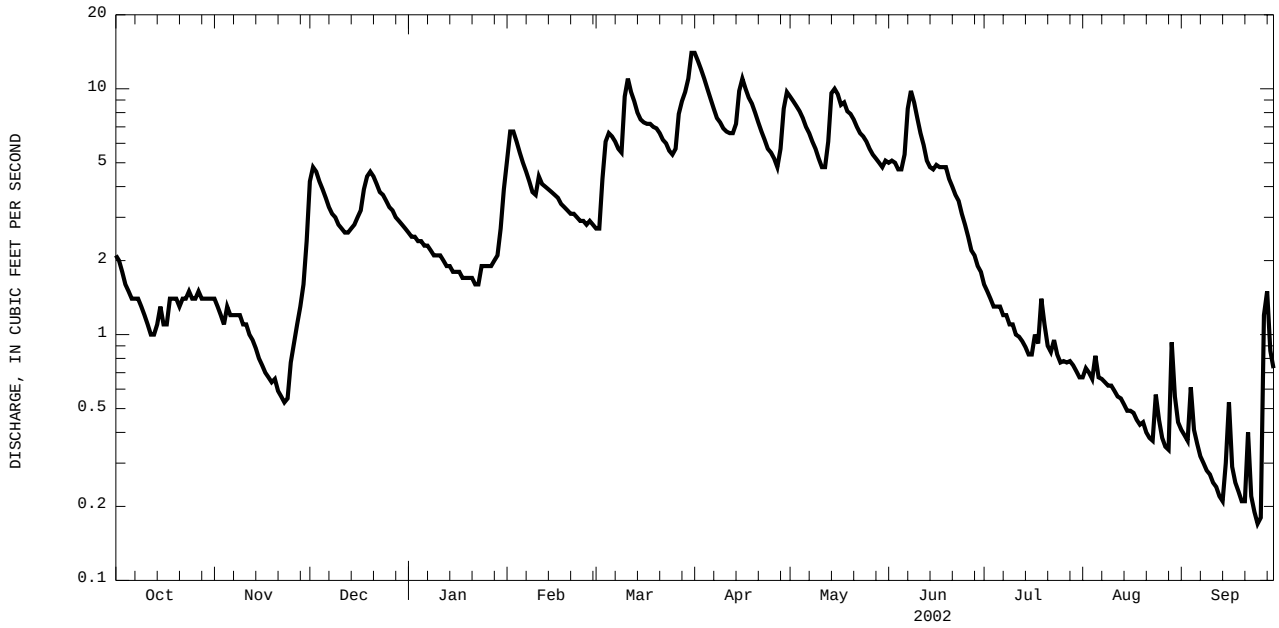
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	1.4	4.2	2.6	5.1	2.7	14	9.3	5.0	1.6	0.67	0.41
2	2.0	1.3	4.8	2.5	6.7	2.7	13	8.9	5.1	1.5	0.73	0.39
3	1.8	1.2	4.6	2.5	6.7	4.3	12	8.5	5.0	1.4	0.70	0.37
4	1.6	1.1	4.2	2.4	6.1	6.1	11	8.1	4.7	1.3	0.66	0.61
5	1.5	1.3	3.9	2.4	5.5	6.6	10	7.6	4.7	1.3	0.82	0.41
6	1.4	1.2	3.6	2.3	5.0	6.4	9.1	7.0	5.4	1.3	0.67	0.36
7	1.4	1.2	3.3	2.3	4.6	6.1	8.3	6.6	8.3	1.2	0.66	0.32
8	1.4	1.2	3.1	2.2	4.2	5.7	7.6	6.1	9.8	1.2	0.64	0.30
9	1.3	1.2	3.0	2.1	3.8	5.5	7.3	5.7	8.8	1.1	0.62	0.28
10	1.2	1.1	2.8	2.1	3.7	9.3	6.9	5.2	7.6	1.1	0.62	0.27
11	1.1	1.1	2.7	2.1	4.4	11	6.7	4.8	6.6	1.0	0.59	0.25
12	1.0	1.0	2.6	2.0	4.1	9.7	6.6	4.8	5.9	0.98	0.56	0.24
13	1.0	0.95	2.6	1.9	4.0	8.9	6.6	6.1	5.1	0.94	0.55	0.22
14	1.1	0.88	2.7	1.9	3.9	8.0	7.2	9.6	4.8	0.89	0.52	0.21
15	1.3	0.80	2.8	1.8	3.8	7.5	9.8	10	4.7	0.83	0.49	0.30
16	1.1	0.75	3.0	1.8	3.7	7.3	11	9.5	4.9	0.83	0.49	0.53
17	1.1	0.70	3.2	1.8	3.6	7.2	10	8.6	4.8	1.0	0.48	0.29
18	1.4	0.67	3.9	1.7	3.4	7.2	9.2	8.8	4.8	0.92	0.45	0.25
19	1.4	0.64	4.4	1.7	3.3	7.0	8.7	8.1	4.8	1.4	0.43	0.23
20	1.4	0.66	4.6	1.7	3.2	6.9	8.0	7.9	4.3	1.1	0.44	0.21
21	1.3	0.59	4.4	1.7	3.1	6.6	7.3	7.5	4.0	0.90	0.40	0.21
22	1.4	0.56	4.1	1.6	3.1	6.2	6.7	7.0	3.7	0.85	0.38	0.40
23	1.4	0.53	3.8	1.6	3.0	6.0	6.2	6.6	3.5	0.95	0.37	0.22
24	1.5	0.55	3.7	1.9	2.9	5.6	5.7	6.4	3.1	0.83	0.57	0.19
25	1.4	0.77	3.5	1.9	2.9	5.4	5.5	6.1	2.8	0.77	0.45	0.17
26	1.4	0.92	3.3	1.9	2.8	5.7	5.2	5.7	2.5	0.78	0.38	0.18
27	1.5	1.1	3.2	1.9	2.9	7.9	4.8	5.4	2.2	0.77	0.35	1.2
28	1.4	1.3	3.0	2.0	2.8	8.9	5.7	5.2	2.1	0.78	0.34	1.5
29	1.4	1.6	2.9	2.1	---	9.7	8.3	5.0	1.9	0.75	0.93	0.86
30	1.4	2.4	2.8	2.7	---	11	9.7	4.8	1.8	0.71	0.56	0.73
31	1.4	---	2.7	3.9	---	14	---	5.1	---	0.67	0.44	---
TOTAL	43.1	30.67	107.4	65.0	112.3	223.1	248.1	216.0	142.7	31.65	16.96	12.11
MEAN	1.39	1.02	3.46	2.10	4.01	7.20	8.27	6.97	4.76	1.02	0.55	0.40
MAX	2.1	2.4	4.8	3.9	6.7	14	14	10	9.8	1.6	0.93	1.5
MIN	1.0	0.53	2.6	1.6	2.8	2.7	4.8	4.8	1.8	0.67	0.34	0.17
CFSM	0.71	0.52	1.78	1.08	2.06	3.69	4.24	3.57	2.44	0.52	0.28	0.21
IN.	0.82	0.59	2.05	1.24	2.14	4.26	4.73	4.12	2.72	0.60	0.32	0.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	2.60	4.27	4.06	6.14	4.06	9.29	11.1	7.95	7.22	2.46	1.27	2.79
MAX	6.37	8.17	7.61	12.5	5.39	13.7	18.4	13.8	12.7	3.96	3.44	8.84
(WY)	2000	2000	2001	1998	1999	1998	2001	1998	2000	1998	2000	1999
MIN	1.06	1.02	1.69	2.10	2.19	2.44	8.27	4.39	2.14	1.02	0.55	0.40
(WY)	1998	2002	1999	2002	2001	2001	2002	2001	1999	2002	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	1308.46		1249.09			
ANNUAL MEAN	3.58		3.42		5.27	
HIGHEST ANNUAL MEAN					6.97	2000
LOWEST ANNUAL MEAN					3.42	2002
HIGHEST DAILY MEAN	56	Apr 13	14	Mar 31	80	Sep 17 1999
LOWEST DAILY MEAN	0.42	Sep 9	0.17	Sep 25	0.17	Sep 25 2002
ANNUAL SEVEN-DAY MINIMUM	0.45	Sep 7	0.23	Sep 20	0.23	Sep 20 2002
ANNUAL RUNOFF (CFSM)	1.84		1.75		2.70	
ANNUAL RUNOFF (INCHES)	24.96		23.83		36.70	
10 PERCENT EXCEEDS	5.8		8.0		11	
50 PERCENT EXCEEDS	2.2		2.4		3.2	
90 PERCENT EXCEEDS	0.61		0.49		0.75	

01362342 HOLLOW TREE BROOK AT LANESVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01362380 STONY CLOVE CREEK NEAR PHOENICIA, NY

LOCATION.--Lat 42°05'53", long 74°19'03", Ulster County, Hydrologic Unit 02020006, on left bank 0.5 mi south of Chichester on State Highway 214, and 1.3 mi upstream from mouth.
DRAINAGE AREA.--31.5 mi^2.
PERIOD OF RECORD.--December 1996 to January 1997 (annual maximum only), February 1997 to current year.
REVISED RECORDS.--WDR NY-99-1: 1997(P), 1998(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 900 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,030 ft^3/s, Dec. 17, 2000, gage height, 8.85 ft, from rating curve extended above 1,300 ft^3/s on basis of slope-area measurement of peak flow; maximum gage height, 9.99 ft, Sept. 16, 1999, from crest-stage gage (8.84 ft from water-stage recorder); minimum discharge, 3.7 ft^3/s, Sept. 20, 21, 22, 2002; minimum gage height, 1.96 ft, Aug. 31, Sept. 8, 9, 10, 2001.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 7,600 ft^3/s, Apr. 4, 1987, by computation of slope-area measurement at site 0.5 mi upstream (drainage area, 26.9 mi^2). Discharges for other floods by computation of slope-area measurements at site 1.3 mi downstream (drainage area, 33.3 mi^2), are as follows: 6,560 ft^3/s, Nov. 25, 1950, and 4,460 ft^3/s, Apr. 5, 1952.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0045	*333	*3.59				

Minimum discharge, 3.7 ft^3/s, Sept. 20, 21, 22, gage height, 1.98 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	9.3	87	e33	98	e34	216	137	68	24	6.4	6.1
2	24	9.3	69	e31	108	33	184	139	58	23	7.2	5.9
3	22	9.1	55	e30	105	120	162	139	52	20	7.5	5.5
4	20	8.8	46	e28	99	107	143	124	48	19	6.3	7.1
5	19	9.1	41	e27	83	103	126	112	51	17	7.7	5.8
6	19	8.7	37	26	76	93	110	101	75	16	6.5	5.3
7	17	8.5	34	e25	68	87	98	93	118	15	6.0	5.0
8	16	8.3	32	e24	62	81	88	83	107	14	5.8	5.0
9	15	8.1	32	24	55	76	82	77	96	14	5.6	4.9
10	15	7.9	29	24	55	182	78	71	85	13	5.4	4.8
11	13	7.9	28	24	105	158	71	63	75	12	5.2	4.7
12	e12	7.9	28	23	83	143	66	66	69	12	5.1	4.5
13	e12	7.8	31	21	69	129	66	119	63	11	5.0	4.6
14	e11	7.6	39	19	e66	117	80	173	66	10	5.0	4.5
15	16	7.5	52	19	e64	105	129	159	73	9.8	4.9	5.1
16	13	7.3	47	18	62	107	120	139	83	9.1	4.8	12
17	13	7.1	51	18	59	98	108	124	74	8.5	4.7	5.9
18	12	7.0	87	17	53	95	99	159	69	8.0	4.6	4.9
19	11	7.0	85	e16	49	90	94	137	74	15	4.5	4.5
20	11	7.5	82	e16	e47	93	87	124	71	15	4.6	4.0
21	10	7.2	77	e16	47	94	79	115	65	9.9	4.5	3.8
22	10	6.9	67	16	45	93	74	103	60	9.2	4.5	7.0
23	10	6.8	61	16	41	82	68	96	59	9.5	4.6	5.3
24	11	6.9	63	20	40	77	62	88	54	9.5	6.0	4.3
25	11	7.8	56	28	38	74	65	78	47	8.1	6.2	4.1
26	10	9.5	51	27	37	93	64	72	43	7.7	5.0	4.2
27	10	8.3	e47	27	40	254	56	66	37	8.0	4.8	20
28	10	8.3	42	28	36	190	92	62	33	8.2	4.6	57
29	9.8	10	e40	31	---	183	150	57	29	8.5	14	26
30	9.5	20	e38	58	---	207	142	53	26	7.0	9.7	18
31	9.3	---	e36	76	---	220	---	64	---	6.5	6.6	---
TOTAL	428.6	253.4	1570	806	1790	3618	3059	3193	1928	377.5	183.3	259.8
MEAN	13.8	8.45	50.6	26.0	63.9	117	102	103	64.3	12.2	5.91	8.66
MAX	27	20	87	76	108	254	216	173	118	24	14	57
MIN	9.3	6.8	28	16	36	33	56	53	26	6.5	4.5	3.8
CFSM	0.44	0.27	1.61	0.83	2.03	3.71	3.24	3.27	2.04	0.39	0.19	0.27
IN.	0.51	0.30	1.85	0.95	2.11	4.27	3.61	3.77	2.28	0.45	0.22	0.31

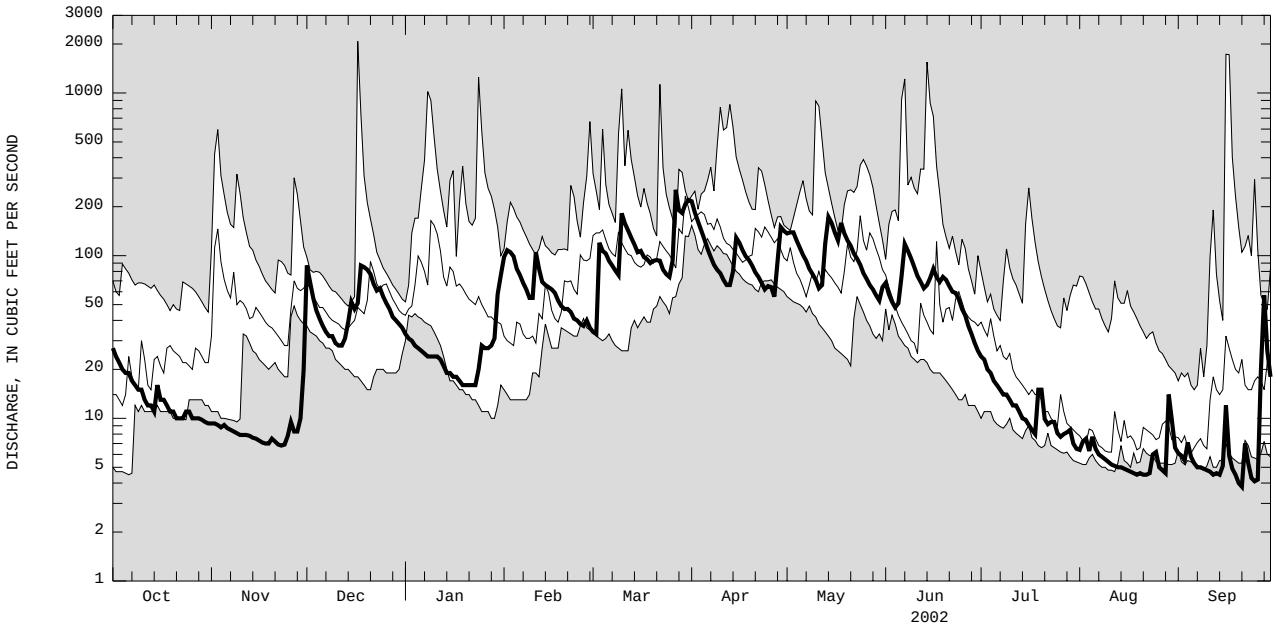
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

MEAN	25.4	61.3	70.1	100	71.8	142	156	119	97.6	26.0	13.3	44.3
MAX	61.5	126	158	228	110	202	290	187	219	60.1	42.8	176
(WY)	2000	1998	2001	1999	1999	2000	2001	1998	2000	2000	2000	1999
MIN	13.8	8.45	22.5	24.3	29.6	64.8	99.9	69.6	23.6	7.94	5.91	6.26
(WY)	1998	2002	1999	2001	2001	2001	1999	2001	1997	1997	2002	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	20475.8		17466.6			
ANNUAL MEAN	56.1		47.9		80.4	
HIGHEST ANNUAL MEAN					103	2000
LOWEST ANNUAL MEAN					47.9	2002
HIGHEST DAILY MEAN	850	Apr 13	254	Mar 27	2080	Dec 17 2000
LOWEST DAILY MEAN	4.8	Sep 9	3.8	Sep 21	3.8	Sep 21 2002
ANNUAL SEVEN-DAY MINIMUM	5.1	Sep 7	4.6	Aug 17	4.6	Aug 17 2002
ANNUAL RUNOFF (CFSM)	1.78		1.52		2.55	
ANNUAL RUNOFF (INCHES)	24.18		20.63		34.67	
10 PERCENT EXCEEDS	135		109		170	
50 PERCENT EXCEEDS	28		30		44	
90 PERCENT EXCEEDS	7.0		5.6		7.7	

e Estimated

01362380 STONY CLOVE CREEK NEAR PHOENICIA, NY--Continued



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.

01362465 BEAVER KILL TRIBUTARY ABOVE LAKE HILL, NY

LOCATION.--Lat 42°04'59", long 74°10'59", Ulster County, Hydrologic Unit 02020006, on left bank about 500 ft upstream from confluence with Beaver Kill, and 1.2 mi north of Lake Hill.
DRAINAGE AREA.--0.98 mi^2.
PERIOD OF RECORD.--July 2000 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,300 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those below 0.1 ft^3/s, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 236 ft^3/s, Dec. 17, 2000, gage height, 4.53 ft, from rating curve extended above 40 ft^3/s on basis of step-backwater analysis of peak flow; minimum, no flow part of each day Sept. 9-10, 2001, and part or all of many days during August and September 2002.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 26	2300	*29	*2.54	Sept. 27	2200	22	2.43
May 13	1415	16	2.31				

Minimum, no flow part or all of many days during August and September.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.08	0.06	1.8	e0.33	1.4	e0.66	3.8	2.5	1.2	0.12	e0.03	0.02
2	0.07	0.05	0.51	e0.32	1.3	0.62	3.0	4.1	0.79	0.10	0.06	0.02
3	0.07	0.06	0.34	e0.31	1.0	4.3	2.8	3.7	0.60	0.09	0.05	0.02
4	0.07	0.05	0.28	e0.30	1.0	1.7	2.4	2.8	0.50	0.08	0.04	0.03
5	0.06	0.06	0.27	0.29	e0.88	1.5	2.0	2.5	0.72	0.07	0.05	0.02
6	0.07	0.06	0.27	0.32	e0.78	1.3	1.8	2.2	1.8	0.07	0.03	0.02
7	0.07	0.06	0.25	0.40	e0.76	1.3	1.6	1.9	2.5	0.07	0.03	0.02
8	0.07	0.05	0.25	0.38	e0.74	e1.2	1.5	1.7	1.1	0.06	0.02	0.02
9	0.07	0.05	0.30	0.35	e0.70	1.2	1.5	1.6	0.79	0.07	0.02	0.02
10	0.07	0.05	0.30	0.48	e0.90	2.0	1.6	1.5	0.61	0.06	0.02	0.02
11	0.07	0.06	0.35	0.62	2.6	1.3	1.3	1.2	0.48	0.06	0.01	0.01
12	0.07	0.05	0.37	0.56	1.3	1.3	1.2	1.6	0.48	0.05	0.01	0.01
13	0.07	0.05	0.51	0.51	e1.2	1.3	1.4	6.1	0.48	0.05	0.00	0.00
14	0.07	0.05	0.84	0.46	e1.1	e1.2	1.8	4.6	0.85	0.04	0.00	0.00
15	0.20	0.05	0.97	0.43	0.94	1.1	2.6	3.1	1.4	0.04	0.00	0.01
16	0.05	0.05	0.63	0.42	0.98	1.4	1.6	2.7	2.3	0.03	0.00	0.22
17	0.05	0.05	0.69	0.42	0.96	1.2	1.4	2.3	1.1	0.03	0.00	0.05
18	0.05	0.05	1.4	e0.40	0.88	1.1	1.3	4.7	0.96	e0.03	0.00	0.04
19	0.05	0.05	0.91	e0.35	e0.86	1.2	1.3	2.8	0.96	e0.10	0.00	0.03
20	0.05	0.05	0.77	0.33	0.84	1.3	1.3	2.3	0.77	e0.06	0.00	0.03
21	0.05	0.05	0.71	0.32	0.91	1.5	1.1	e2.0	0.59	e0.04	0.00	0.03
22	0.05	0.05	0.66	0.33	0.84	1.5	1.2	e1.9	0.53	0.04	0.00	0.26
23	0.05	0.05	0.62	0.41	0.77	1.2	1.1	e1.7	0.63	e0.04	0.00	0.07
24	0.09	0.06	0.87	0.69	0.70	1.2	1.00	e1.5	0.55	e0.04	0.00	0.06
25	0.09	0.20	0.70	0.74	0.66	1.3	1.6	e1.3	0.36	e0.04	0.01	0.05
26	0.07	0.24	0.60	0.61	0.66	e4.0	1.5	1.1	0.30	e0.04	0.01	0.05
27	0.06	0.12	0.51	0.57	0.83	8.3	1.2	1.0	0.25	e0.03	0.00	2.8
28	0.06	0.11	0.45	0.56	0.67	4.9	3.9	0.97	0.20	e0.03	0.00	1.7
29	0.06	0.40	0.41	0.56	---	4.5	3.6	0.93	0.16	e0.03	0.15	0.35
30	0.06	1.7	0.37	0.69	---	4.9	2.7	0.84	0.13	e0.03	0.04	0.19
31	0.06	---	0.35	0.60	---	3.8	---	1.4	---	e0.03	0.03	---
TOTAL	2.13	4.04	18.26	14.06	27.16	65.28	56.10	70.54	24.09	1.67	0.61	6.17
MEAN	0.069	0.13	0.59	0.45	0.97	2.11	1.87	2.28	0.80	0.054	0.020	0.21
MAX	0.20	1.7	1.8	0.74	2.6	8.3	3.9	6.1	2.5	0.12	0.15	2.8
MIN	0.05	0.05	0.25	0.29	0.66	0.62	1.0	0.84	0.13	0.03	0.00	0.00
CFSM	0.07	0.14	0.60	0.46	0.99	2.15	1.91	2.32	0.82	0.05	0.02	0.21
IN.	0.08	0.15	0.69	0.53	1.03	2.48	2.13	2.68	0.91	0.06	0.02	0.23

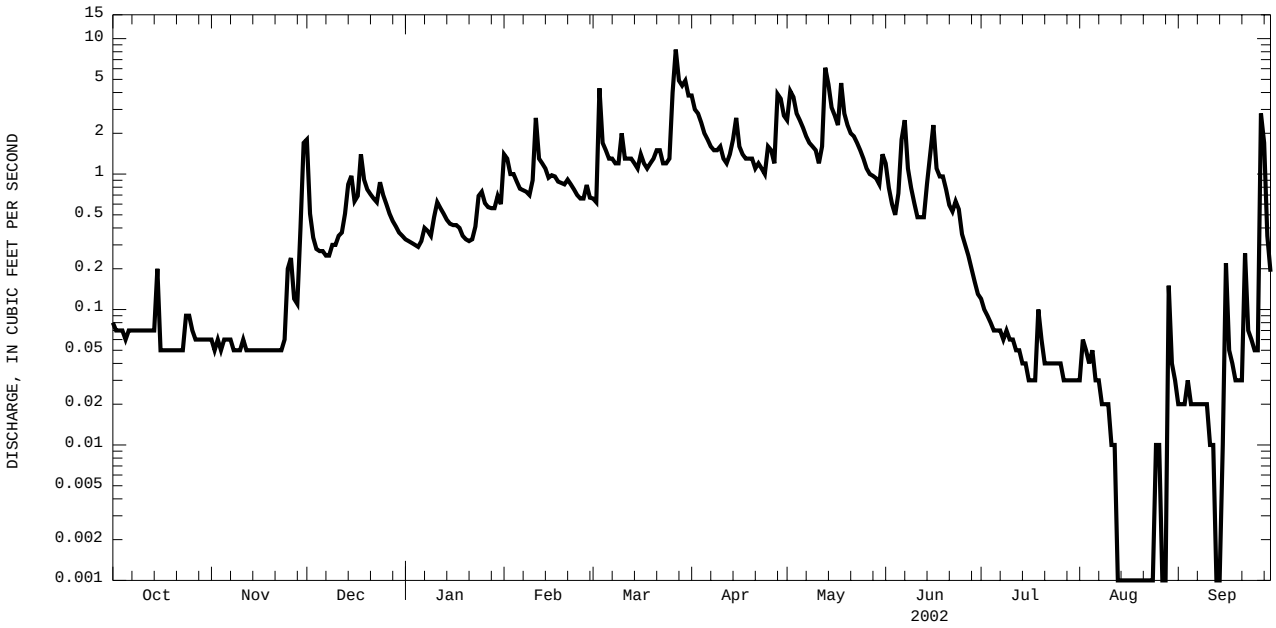
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

MEAN	0.28	0.77	2.30	0.48	0.80	2.03	3.07	1.66	1.02	0.085	0.45	0.26
MAX	0.50	1.41	4.01	0.50	0.97	2.11	4.26	2.28	1.24	0.12	1.29	0.44
(WY)	2001	2001	2001	2001	2002	2002	2001	2002	2001	2001	2000	2000
MIN	0.069	0.13	0.59	0.45	0.64	1.95	1.87	1.05	0.80	0.054	0.020	0.13
(WY)	2002	2002	2002	2002	2001	2001	2002	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2000 - 2002	
ANNUAL TOTAL	324.47		290.11			
ANNUAL MEAN	0.89		0.79		1.06	
HIGHEST ANNUAL MEAN					1.32	2001
LOWEST ANNUAL MEAN					0.79	2002
HIGHEST DAILY MEAN	14	Apr 10	8.3	Mar 27	57	Dec 17 2000
LOWEST DAILY MEAN	0.01	Sep 7	0.00	Aug 13	0.00	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	0.01	Sep 4	0.00	Aug 13	0.00	Aug 13 2002
ANNUAL RUNOFF (CFSM)	0.91		0.81		1.08	
ANNUAL RUNOFF (INCHES)	12.32		11.01		14.66	
10 PERCENT EXCEEDS	2.2		1.9		2.4	
50 PERCENT EXCEEDS	0.35		0.41		0.46	
90 PERCENT EXCEEDS	0.04		0.03		0.03	

e Estimated

01362465 BEAVER KILL TRIBUTARY ABOVE LAKE HILL, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE. ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE.

01362497 LITTLE BEAVER KILL AT BEECHFORD NEAR MOUNT TREMPER, NY

LOCATION.--Lat 42°01'10", long 74°16'00", Ulster County, Hydrologic Unit 02020006, on right bank 950 ft upstream from State Highway 28 at Beechford, 0.3 mi above mouth, and 1.8 mi southeast of Mount Tremper.
DRAINAGE AREA.--16.5 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
REVISED RECORDS.--WDR NY-99-1: 1998. WDR NY-01-1: 1998-2000.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 660 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,190 ft^3/s, Dec. 17, 2000, gage height, 8.36 ft, from rating curve extended above 400 ft^3/s, on basis of step-backwater analysis; minimum discharge, 0.11 ft^3/s, Sept. 8, 9, 2002; minimum gage height, 1.41 ft, Aug. 12, 13, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0015	*241	*4.16				

Minimum discharge, 0.11 ft^3/s, Sept. 8, 9; minimum gage height, 1.66 ft, Aug. 19, Sept. 8, 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.2	14	e7.6	24	9.9	64	64	17	5.7	0.67	0.75
2	1.7	1.2	5.9	e7.2	33	9.1	50	78	13	5.1	1.3	0.57
3	1.5	1.2	4.6	e6.6	25	51	44	81	11	4.5	2.0	0.46
4	1.4	1.2	4.1	e6.2	e22	35	40	59	9.6	3.8	1.2	0.53
5	1.4	1.3	3.8	5.7	e19	28	34	48	10	3.3	1.2	0.32
6	1.6	1.6	3.7	5.7	e16	e25	29	41	21	3.0	0.96	0.25
7	1.5	1.6	3.5	e6.2	e14	e23	27	34	37	3.0	0.62	0.21
8	1.3	1.7	3.2	e6.0	e14	23	24	29	21	2.8	0.54	0.17
9	1.3	1.9	3.9	5.6	14	20	23	26	17	2.8	0.48	0.16
10	e1.3	2.0	3.6	6.4	15	29	21	27	14	2.8	0.44	0.15
11	e1.3	2.1	3.5	8.0	39	24	19	21	13	2.4	0.40	0.16
12	e1.3	1.9	3.6	7.8	27	22	17	22	12	2.2	0.37	0.21
13	e1.3	1.9	e3.6	7.6	24	21	19	77	11	1.9	0.37	0.19
14	e1.3	2.1	e3.6	7.2	e20	22	29	116	14	1.8	0.37	0.21
15	e2.6	2.1	e10	7.0	19	19	38	78	29	1.6	0.34	0.57
16	1.8	1.9	e8.0	6.9	18	22	27	60	58	1.5	0.37	3.3
17	1.5	1.9	12	7.0	18	20	24	48	34	1.3	0.34	1.6
18	1.4	2.0	19	6.9	16	19	21	86	25	1.1	0.37	0.95
19	1.3	1.9	17	e6.6	15	20	21	67	20	2.7	0.34	0.61
20	1.3	2.0	15	e6.6	14	26	22	53	17	3.4	0.58	0.49
21	1.3	1.9	13	e6.2	15	37	20	43	14	1.9	0.47	0.50
22	1.2	2.0	12	6.3	14	38	19	37	15	1.5	0.36	3.5
23	1.2	2.0	11	6.6	13	32	18	32	19	1.6	0.32	2.1
24	1.3	1.9	14	8.7	12	31	16	27	16	1.5	0.65	1.3
25	1.3	2.1	13	9.8	11	32	24	24	12	1.2	0.81	1.1
26	1.2	2.3	12	8.6	11	48	26	22	11	1.1	0.63	1.1
27	1.2	2.0	11	8.3	11	181	21	20	10	1.0	0.49	16
28	1.2	1.8	9.8	8.2	11	117	75	19	10	1.1	0.39	40
29	1.2	2.4	9.2	8.3	---	93	108	19	7.9	1.1	5.4	12
30	1.2	6.3	8.6	10	---	95	77	16	6.6	0.95	4.0	7.9
31	1.2	---	e8.0	10	---	75	---	17	---	0.74	1.2	---
TOTAL	43.2	59.4	267.2	225.8	504	1247.0	997	1391	525.1	70.39	27.98	97.36
MEAN	1.39	1.98	8.62	7.28	18.0	40.2	33.2	44.9	17.5	2.27	0.90	3.25
MAX	2.6	6.3	19	10	39	181	108	116	58	5.7	5.4	40
MIN	1.2	1.2	3.2	5.6	11	9.1	16	16	6.6	0.74	0.32	0.15
CFSM	0.08	0.12	0.52	0.44	1.09	2.44	2.01	2.72	1.06	0.14	0.05	0.20
IN.	0.10	0.13	0.60	0.51	1.14	2.81	2.25	3.14	1.18	0.16	0.06	0.22

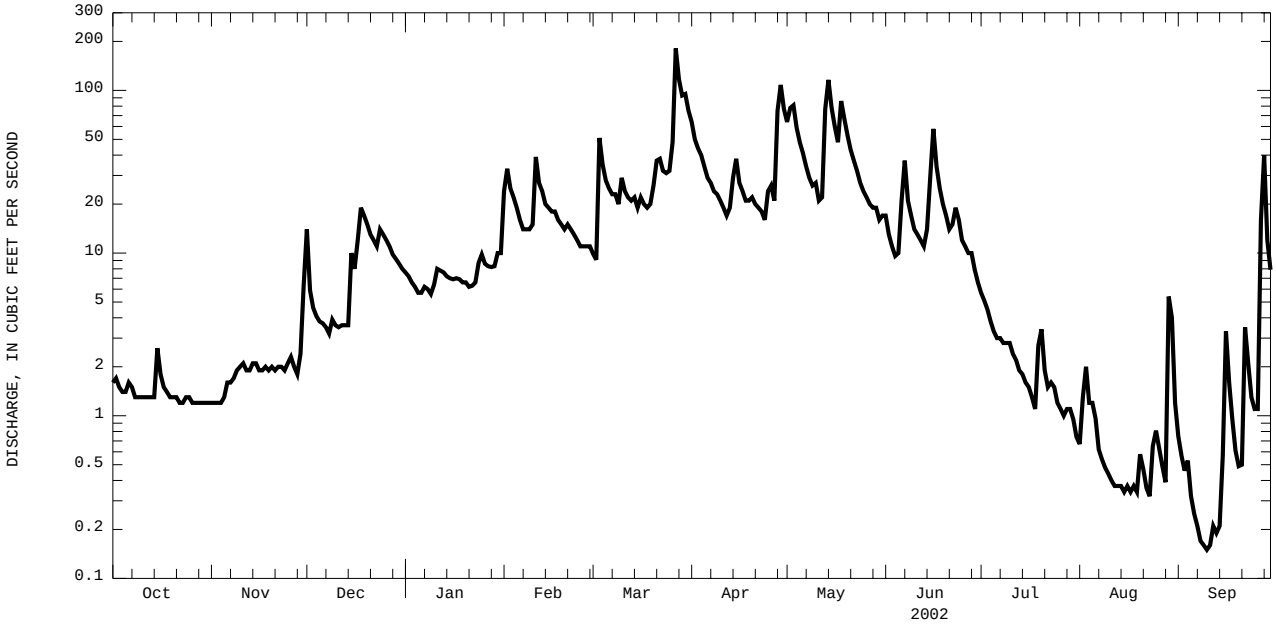
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	9.63	31.1	30.2	46.9	37.9	63.4	47.5	39.9	43.3	17.1	9.16	11.9
MAX	20.6	87.4	76.2	113	54.2	90.9	78.8	64.5	94.8	48.5	39.9	38.8
(WY)	2000	1998	2001	1999	1999	1999	2001	1998	1998	2000	2000	1999
MIN	1.39	1.98	8.15	7.28	18.0	40.2	17.9	22.2	4.77	2.27	0.90	1.53
(WY)	2002	2002	1999	2002	2002	2002	1999	2001	1999	2002	2002	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	6911.53		5455.43			
ANNUAL MEAN	18.9		14.9		32.3	
HIGHEST ANNUAL MEAN					46.6	1998
LOWEST ANNUAL MEAN					14.9	2002
HIGHEST DAILY MEAN	300	Apr 10	181	Mar 27	855	Dec 17 2000
LOWEST DAILY MEAN	0.38	Sep 3	0.15	Sep 10	0.15	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	0.55	Sep 2	0.18	Sep 7	0.18	Sep 7 2002
ANNUAL RUNOFF (CFSM)	1.15		0.91		1.96	
ANNUAL RUNOFF (INCHES)	15.58		12.30		26.58	
10 PERCENT EXCEEDS	48		37		74	
50 PERCENT EXCEEDS	8.0		7.6		16	
90 PERCENT EXCEEDS	1.2		0.63		1.3	

e Estimated

01362497 LITTLE BEAVER KILL AT BEECHFORD NEAR MOUNT TREMPER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01362500 ESOPUS CREEK AT COLDBROOK, NY

LOCATION.--Lat 42°00'51", long 74°16'16", Ulster County, Hydrologic Unit 02020006, on left bank at downstream side of bridge on Coldbrook Road in Coldbrook, 0.3 mi downstream from Little Beaver Kill, 1.5 mi upstream from Ashokan Reservoir, and 2.5 mi south of Mount Tremper. Water-quality sampling site at discharge station.
DRAINAGE AREA.--192 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1914 to September 1925 (monthly discharge only, furnished by State engineer and surveyor of New York, published in WSP 1302), October 1925 to September 1931 (monthly discharge only, furnished by Board of Water Supply, City of New York, published in WSP 1302), October 1931 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 621.54 ft above NGVD of 1929. Prior to June 15, 1916, nonrecording gage at same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Since 1924, water diverted from Schoharie Reservoir through Shandaken Tunnel (see station 01362230) enters Esopus Creek 10.5 mi upstream from station and is included in records of daily discharge. Slight diversion from Beaver Kill into Cooper Lake for water supply of Kingston. Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,300 ft^3/s, Mar. 21, 1980, gage height 21.94 ft, from rating curve extended above 13,000 ft^3/s, on basis of slope-area measurements at gage heights 12.39 ft, 15.15 ft, and 20.70 ft; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,480 ft^3/s, Mar. 27, gage height, 7.34 ft; minimum, 52 ft^3/s, Nov. 22, gage height, 3.49 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	392	192	387	258	616	723	1640	1420	999	348	267	224
2	257	192	313	e250	741	710	1480	1500	934	339	270	220
3	249	190	299	248	684	1030	1380	1590	907	337	274	215
4	242	187	283	243	655	940	1310	1430	890	402	265	232
5	234	187	264	233	627	895	1230	1350	902	392	270	216
6	232	185	248	228	576	883	1170	1270	889	384	259	210
7	226	190	236	e220	535	871	1110	1210	916	379	253	207
8	222	209	224	220	506	849	1070	1140	1010	375	252	205
9	220	190	230	220	476	829	1040	1100	960	374	249	204
10	215	144	213	222	466	1150	1030	1060	907	372	247	202
11	212	116	207	233	747	1060	987	1010	839	363	246	198
12	210	100	203	228	622	1040	964	1010	785	356	246	195
13	207	86	214	222	677	1010	961	1370	757	352	244	193
14	206	75	251	212	895	979	1050	1640	804	349	243	192
15	226	64	330	208	944	942	1280	1500	973	346	241	198
16	207	58	295	205	932	950	1220	1400	1080	341	242	237
17	204	56	303	205	913	919	1180	1320	973	337	241	206
18	197	54	435	200	877	906	1150	1580	837	333	238	196
19	193	54	438	193	848	889	1130	1450	747	399	230	192
20	191	61	427	e190	829	912	1100	1370	680	555	228	192
21	188	64	406	e190	828	932	1060	1310	650	534	225	190
22	194	67	377	193	814	939	1030	1250	633	478	223	214
23	212	68	360	189	795	885	1000	1200	632	321	224	191
24	221	67	385	209	779	869	969	1150	614	299	232	166
25	218	71	361	269	768	862	987	1100	576	286	232	146
26	212	84	343	270	757	932	993	1060	556	279	223	145
27	208	81	326	272	761	2010	945	1030	528	280	220	231
28	210	80	307	279	741	1630	1190	1000	459	278	215	496
29	204	91	296	298	---	1550	1530	980	372	283	283	283
30	200	119	283	413	---	1670	1430	955	355	272	254	238
31	196	---	268	506	---	1670	---	982	---	268	231	---
TOTAL	6805	3382	9512	7526	20409	32436	34616	38737	23164	11011	7567	6434
MEAN	220	113	307	243	729	1046	1154	1250	772	355	244	214
MAX	392	209	438	506	944	2010	1640	1640	1080	555	283	496
MIN	188	54	203	189	466	710	945	955	355	268	215	145

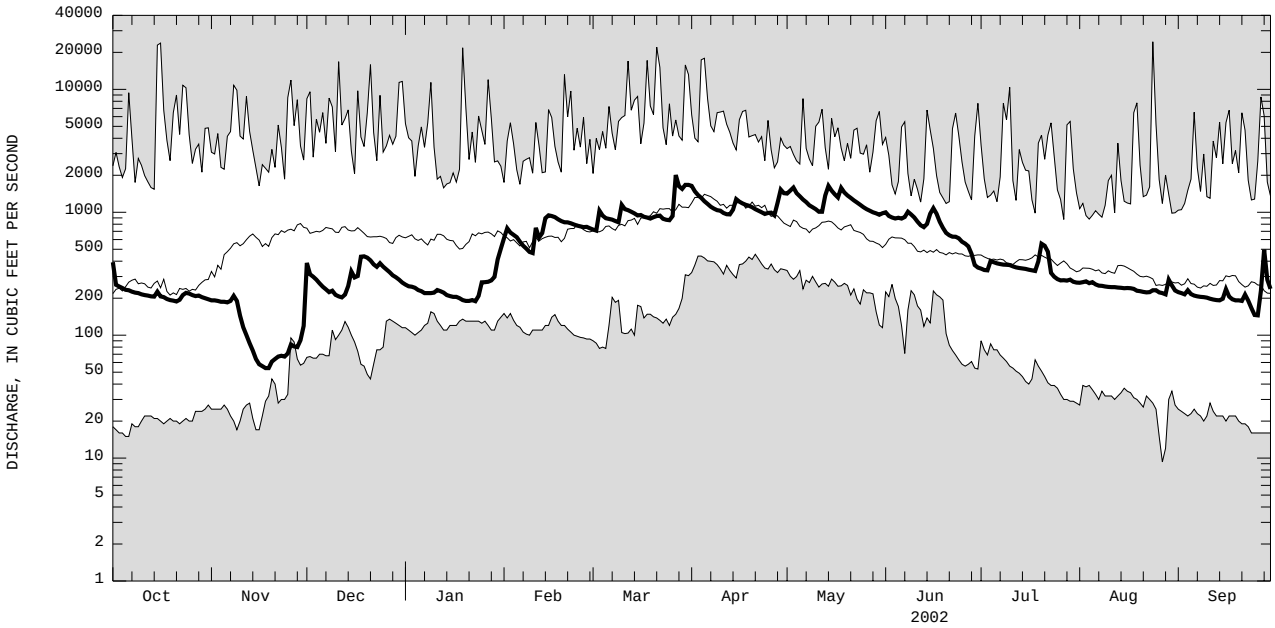
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2002, BY WATER YEAR (WY)

MEAN	461	763	869	809	780	1154	1359	889	603	488	382	390
MAX	2509	1699	2083	2123	2756	2810	3309	2320	1216	1364	1460	1194
(WY)	1956	1943	1974	1996	1981	1936	1940	1989	1972	1945	1933	1937
MIN	22.3	43.6	178	145	137	406	552	410	233	52.0	44.9	27.3
(WY)	1942	1965	1965	1981	1980	1960	1985	1993	1933	1965	1962	1962

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1932 - 2002	
ANNUAL TOTAL	160699		201599			
ANNUAL MEAN	440		552		745	
HIGHEST ANNUAL MEAN					1035	1952
LOWEST ANNUAL MEAN					419	1985
HIGHEST DAILY MEAN	3520	Apr 10	2010	Mar 27	24400	Aug 24 1933
LOWEST DAILY MEAN	54	Nov 18	54	Nov 18	9.3	Aug 27 1949
ANNUAL SEVEN-DAY MINIMUM	59	Nov 15	59	Nov 15	16	Sep 24 1943
10 PERCENT EXCEEDS	804		1150		1440	
50 PERCENT EXCEEDS	336		339		534	
90 PERCENT EXCEEDS	202		191		171	

e Estimated

01362500 ESOPUS CREEK AT COLDBROOK, NY--Continued



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.

01362500 ESOPUS CREEK AT COLDBROOK, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1996 to current year.
INSTRUMENTATION.--Water-temperature satellite and telephone telemeter provides 15-minute-interval readings.
REMARKS.--Interruption of record was due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.5°C, Aug. 3, 19, 2002; minimum (water year 1997-2002), 0.0°C on many days during winter period.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 26.5°C, Aug. 3, 19; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.0	13.5	15.0	10.5	7.0	9.0	10.5	8.5	9.5	0.0	0.0	0.0
2	17.5	13.0	15.0	12.0	8.5	10.5	8.5	7.0	8.0	0.0	0.0	0.0
3	18.5	13.5	15.5	13.0	10.5	11.5	7.0	5.0	6.0	0.5	0.0	0.0
4	18.5	14.0	16.0	12.0	9.5	10.5	7.0	4.5	6.0	0.5	0.0	0.0
5	18.0	14.5	16.0	10.0	7.0	8.5	9.0	6.5	7.5	1.5	0.0	0.5
6	16.0	12.5	15.0	8.5	6.0	7.0	10.0	7.5	8.5	1.5	0.0	1.0
7	14.0	10.5	12.0	9.0	6.0	7.5	9.0	6.5	8.0	1.0	0.0	0.5
8	12.5	9.0	10.5	8.0	5.5	7.0	6.5	4.0	5.5	0.5	0.0	0.0
9	13.0	8.0	11.0	8.0	6.0	7.0	4.5	3.0	3.5	1.0	0.0	0.5
10	14.5	10.5	12.0	7.5	4.5	6.0	3.5	1.5	3.0	3.5	1.0	2.0
11	15.5	10.0	12.5	7.0	4.5	6.0	4.0	2.5	3.0	2.0	1.5	1.5
12	15.5	11.5	13.5	5.0	3.5	4.0	4.0	1.5	3.0	3.0	1.0	2.0
13	16.5	12.5	14.5	5.5	2.5	4.0	5.0	3.5	4.0	2.5	1.0	1.5
14	14.5	13.5	14.0	---	---	---	6.5	5.0	6.0	1.5	0.0	1.0
15	15.0	12.0	13.5	---	---	---	6.5	3.5	5.5	2.0	0.5	1.5
16	14.0	10.5	12.0	---	---	---	4.0	2.5	3.5	2.5	1.0	1.5
17	13.5	10.0	12.0	---	---	---	3.5	3.0	3.0	2.0	0.5	1.0
18	12.0	8.5	10.0	---	---	---	5.0	3.5	4.0	1.0	0.0	0.5
19	12.0	7.5	10.0	---	---	---	5.0	4.0	4.5	0.0	0.0	0.0
20	12.0	9.5	10.5	8.0	---	---	5.0	3.5	4.0	0.0	0.0	0.0
21	13.5	8.5	11.0	6.0	3.5	4.5	3.5	2.0	3.0	0.5	0.0	0.0
22	13.0	11.0	12.0	6.0	3.5	5.0	2.5	1.0	2.0	2.5	0.0	1.0
23	12.0	10.0	11.0	6.0	3.5	5.0	2.5	0.5	1.5	3.0	0.0	1.5
24	15.0	11.5	13.0	7.0	5.5	6.5	3.5	2.0	3.0	3.0	1.5	2.0
25	15.0	11.5	13.5	10.0	7.0	8.5	2.5	1.0	2.0	3.0	1.0	2.0
26	11.5	9.0	10.5	9.5	8.0	9.0	2.0	0.5	1.5	3.5	0.0	1.5
27	10.5	7.5	9.0	8.5	7.0	8.0	1.0	0.0	0.5	3.5	0.5	2.0
28	9.5	6.5	8.0	9.5	7.5	8.5	1.5	0.0	1.0	3.5	1.0	2.0
29	9.5	5.5	7.5	8.5	7.0	7.5	1.5	0.0	0.5	4.5	1.5	3.0
30	10.5	7.0	8.5	10.5	7.0	8.5	1.0	0.0	0.0	4.5	3.5	4.0
31	7.5	6.0	7.0	---	---	---	0.5	0.0	0.0	4.0	2.0	2.5
MONTH	18.5	5.5	12.0	---	---	---	10.5	0.0	3.9	4.5	0.0	1.2

HUDSON RIVER BASIN

01362500 ESOPUS CREEK AT COLDBROOK, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.5	2.0	2.5	4.5	1.5	2.5	7.5	5.0	6.5	11.0	6.5	8.5
2	2.5	0.5	1.5	3.5	1.5	2.5	6.5	4.5	5.5	9.0	8.0	8.5
3	2.5	0.0	1.0	5.5	3.0	4.0	7.0	5.0	6.0	10.0	7.5	8.5
4	3.0	1.0	2.0	4.0	1.5	3.0	7.0	4.5	5.5	12.0	7.0	9.0
5	1.5	0.0	0.5	3.0	0.5	1.5	5.5	3.5	4.5	12.5	8.0	10.0
6	3.0	0.5	1.5	5.0	1.5	2.5	6.5	3.5	4.5	13.0	8.5	10.5
7	3.0	0.5	1.5	4.5	2.0	3.0	7.0	2.5	4.5	12.5	10.0	11.0
8	4.0	1.5	2.5	6.0	2.5	4.0	6.0	4.5	5.0	14.0	10.5	12.0
9	4.0	1.5	2.5	6.5	4.0	5.0	8.0	5.0	6.5	11.5	9.5	10.5
10	3.0	0.5	1.5	7.0	3.5	5.5	10.0	6.0	7.5	14.0	9.5	11.5
11	3.0	0.5	2.5	4.5	2.0	3.0	10.0	5.5	7.5	14.0	10.0	11.5
12	2.5	0.0	1.0	4.0	2.5	3.0	10.0	5.5	7.5	11.5	10.5	11.0
13	2.5	0.5	1.5	3.5	2.5	3.0	10.0	8.0	8.5	10.5	9.5	10.0
14	2.5	0.0	1.0	7.0	3.0	4.5	12.0	8.5	10.0	11.0	9.0	10.0
15	2.5	0.5	1.5	7.5	4.0	5.5	13.0	10.0	11.0	12.0	8.5	10.0
16	3.5	1.5	2.5	7.0	5.0	6.0	14.0	9.5	11.5	13.5	9.0	11.0
17	4.0	1.5	2.5	6.0	3.5	4.5	14.5	10.5	12.5	13.5	11.0	12.0
18	3.5	1.0	2.0	4.5	3.5	3.5	15.5	12.0	13.0	11.5	9.0	10.0
19	3.5	1.0	2.0	5.5	3.5	4.5	14.0	11.5	12.5	11.0	8.5	9.5
20	4.0	2.0	3.0	4.0	1.5	3.0	12.5	11.0	12.0	10.5	8.0	9.0
21	5.5	3.0	4.0	6.5	2.5	4.0	12.0	10.0	11.0	11.0	8.0	9.5
22	4.0	3.0	3.5	4.0	1.0	2.5	11.0	8.5	9.5	13.0	8.0	10.5
23	4.5	2.0	3.0	4.5	1.5	2.5	10.5	8.5	9.5	14.0	9.0	11.0
24	4.5	1.5	2.5	5.0	2.0	3.5	12.5	8.0	10.0	13.0	10.0	11.5
25	5.0	2.0	3.5	5.0	2.5	3.5	9.0	7.0	8.5	15.0	10.5	12.5
26	6.0	2.5	4.0	3.0	2.5	3.0	9.5	6.5	8.0	13.0	11.0	11.5
27	4.0	2.5	3.5	4.5	2.5	3.5	12.0	7.0	9.0	16.0	12.0	13.5
28	4.5	1.0	2.5	6.0	2.5	4.5	9.5	8.0	8.5	13.0	12.5	12.5
29	---	---	---	7.0	3.5	5.0	8.0	7.0	7.5	14.5	12.0	13.0
30	---	---	---	8.5	5.0	6.5	8.5	6.5	7.5	16.0	12.5	14.0
31	---	---	---	8.0	5.5	6.5	---	---	---	15.5	13.0	14.0
MONTH	6.0	0.0	2.2	8.5	0.5	3.8	15.5	2.5	8.4	16.0	6.5	10.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.5	13.0	15.0	19.5	16.5	18.0	24.5	20.0	22.0	20.0	18.0	19.0
2	16.0	13.5	14.5	22.5	16.5	19.5	24.5	20.0	22.0	20.5	18.5	19.5
3	16.5	13.0	14.5	23.5	17.5	20.0	26.5	20.0	22.5	24.0	18.5	21.0
4	14.5	12.5	14.0	23.0	17.0	19.5	26.0	19.0	22.5	24.0	20.0	22.0
5	17.0	13.5	15.0	20.5	16.0	18.5	25.0	20.5	22.5	23.0	18.5	20.5
6	15.5	14.0	15.0	19.5	15.0	17.5	23.0	19.0	21.0	23.0	17.5	20.0
7	16.5	13.0	14.0	20.0	15.0	17.5	24.0	18.5	20.5	23.0	17.0	20.0
8	17.0	12.5	14.5	21.5	15.5	18.0	23.5	18.5	21.0	23.5	17.5	20.5
9	17.5	13.5	15.0	19.0	16.5	17.5	25.0	18.0	21.0	24.0	18.0	21.0
10	18.0	13.5	15.5	21.5	16.5	18.5	25.5	18.5	21.5	24.0	19.0	21.5
11	18.5	13.5	16.0	20.5	14.0	17.0	26.0	19.0	22.0	21.5	16.5	19.5
12	17.0	14.5	15.5	21.0	14.0	17.5	26.0	19.5	22.5	20.0	15.5	17.5
13	15.0	14.0	14.5	21.0	15.0	18.0	26.0	20.5	23.0	21.0	15.5	18.5
14	14.5	14.0	14.0	20.5	16.0	18.0	25.0	20.5	22.5	21.0	16.0	19.0
15	14.5	14.0	14.0	21.5	16.5	18.5	26.0	21.0	23.5	20.0	19.0	19.5
16	16.5	13.5	15.0	21.5	17.0	19.0	25.5	21.5	23.5	20.5	18.0	19.0
17	16.5	13.5	15.0	23.0	16.5	19.0	26.0	21.0	23.5	21.5	16.5	19.0
18	17.0	13.5	15.5	23.5	18.0	20.5	26.0	21.5	23.5	21.0	16.0	18.5
19	19.0	14.0	16.0	21.0	18.5	19.5	26.5	20.5	23.5	21.5	16.5	19.0
20	19.0	14.0	16.5	24.0	19.0	21.0	25.0	21.0	22.5	22.5	18.0	20.0
21	19.5	14.5	16.5	23.0	18.0	20.5	25.0	19.5	22.0	21.5	18.5	20.0
22	17.5	15.0	16.5	24.5	20.0	22.0	23.5	19.5	21.5	21.0	19.0	20.0
23	19.0	15.5	17.0	22.5	19.5	21.0	24.0	20.5	22.5	20.5	17.5	19.0
24	21.0	16.0	18.0	22.5	18.5	20.0	22.0	19.5	20.5	20.0	15.0	17.5
25	20.0	15.5	17.5	22.0	18.0	19.5	24.5	19.5	21.5	19.0	15.0	17.0
26	19.5	15.5	17.5	20.0	17.5	18.5	24.5	19.0	21.5	18.0	16.0	17.0
27	21.0	16.0	18.5	22.0	17.0	19.5	24.5	19.0	21.5	16.5	15.5	16.0
28	21.0	16.5	18.5	20.5	18.0	19.5	22.5	19.5	21.0	17.0	15.0	16.0
29	21.0	15.5	18.0	25.5	19.5	22.0	20.5	18.5	19.0	17.0	13.5	15.0
30	21.0	15.5	18.0	25.0	20.0	22.0	22.5	18.5	20.0	18.0	13.5	16.0
31	---	---	---	25.0	19.5	22.0	21.0	18.0	19.5	---	---	---
MONTH	21.0	12.5	15.8	25.5	14.0	19.3	26.5	18.0	21.8	24.0	13.5	18.9

01363382 BUSH KILL BELOW MALTBY HOLLOW BROOK AT WEST SHOKAN, NY

LOCATION.--Lat 41°57'56", long 74°17'36", Ulster County, Hydrologic Unit 02020006, on right bank 200 ft downstream from confluence with Maltby Hollow Brook, at West Shokan.
DRAINAGE AREA.--16.2 mi^2.
PERIOD OF RECORD.--August 2000 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 700 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,620 ft^3/s, Dec. 17, 2000, gage height, 6.15 ft, from rating curve extended above 330 ft^3/s on basis of step-backwater analysis; minimum discharge, 2.1 ft^3/s, Sept. 8, 9, 10, 12, 13, 2001, gage height, 1.63 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sept. 27	2245	*272	*3.58	No other peak greater than base discharge.			

Minimum recorded discharge, 2.3 ft^3/s, Aug. 19, 20, gage height, 1.67 ft, but may have been less during period of estimated record, Aug. 18, Sept. 12-13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	4.2	38	16	32	14	104	82	27	15	e4.0	3.8
2	7.3	4.2	23	15	37	13	88	94	23	14	6.0	3.7
3	6.7	4.2	20	14	37	40	80	86	21	12	e6.0	3.6
4	6.1	4.2	18	e13	36	27	72	76	19	12	e4.5	4.4
5	5.6	4.1	17	e13	33	24	65	69	21	11	e4.1	3.5
6	6.1	4.2	15	e13	30	24	57	63	31	10	3.8	3.1
7	5.7	4.1	14	e12	29	24	50	56	42	9.2	e3.6	2.9
8	5.3	4.2	14	e12	27	24	45	50	30	8.6	e3.5	2.7
9	5.2	4.2	14	12	25	23	42	46	29	8.4	e3.2	2.6
10	5.0	4.1	12	13	25	36	39	43	27	8.3	3.1	2.5
11	4.9	4.0	12	14	40	29	35	38	25	7.5	2.9	2.6
12	4.8	4.0	12	13	29	29	33	40	24	7.2	2.8	e2.8
13	4.8	4.0	16	12	26	e29	38	74	23	6.8	2.7	e2.7
14	4.8	4.0	21	11	24	e29	58	93	31	6.5	2.6	2.7
15	8.1	3.9	28	11	e23	29	80	83	47	6.2	2.5	3.9
16	5.6	3.8	26	10	e22	32	70	74	74	5.6	2.5	15
17	5.1	3.8	29	10	e21	29	65	66	61	5.4	2.5	5.6
18	5.0	3.7	42	9.8	21	30	59	95	52	5.0	e2.5	e4.3
19	4.9	3.6	36	8.9	20	31	56	76	45	19	2.4	3.6
20	4.8	3.7	35	e8.8	19	35	51	71	38	11	4.1	3.3
21	4.7	3.7	32	e8.6	20	36	45	66	33	7.0	3.0	3.1
22	4.6	3.6	29	e8.6	19	37	44	59	31	6.2	2.7	e9.9
23	4.6	3.5	27	9.5	17	32	40	52	30	6.6	2.6	5.5
24	4.8	3.5	33	15	17	32	36	47	27	6.5	3.1	4.5
25	4.9	3.7	27	18	16	32	43	43	23	5.7	3.3	4.0
26	4.7	4.8	25	14	15	45	41	39	25	5.2	2.9	3.9
27	4.6	4.3	23	14	16	123	35	35	24	e5.1	2.6	41
28	4.5	4.0	22	14	14	96	79	34	22	5.1	2.5	e67
29	4.5	4.7	20	15	---	88	103	31	18	e5.2	11	e29
30	4.4	16	19	18	---	101	94	28	16	e4.5	e6.7	e19
31	4.4	---	17	18	---	104	---	30	---	e4.1	4.4	---
TOTAL	164.5	132.0	716	394.2	690	1277	1747	1839	939	249.9	114.1	266.2
MEAN	5.31	4.40	23.1	12.7	24.6	41.2	58.2	59.3	31.3	8.06	3.68	8.87
MAX	8.1	16	42	18	40	123	104	95	74	19	11	67
MIN	4.4	3.5	12	8.6	14	13	33	28	16	4.1	2.4	2.5
CFSM	0.33	0.27	1.43	0.78	1.52	2.54	3.59	3.66	1.93	0.50	0.23	0.55
IN.	0.38	0.30	1.64	0.91	1.58	2.93	4.01	4.22	2.16	0.57	0.26	0.61

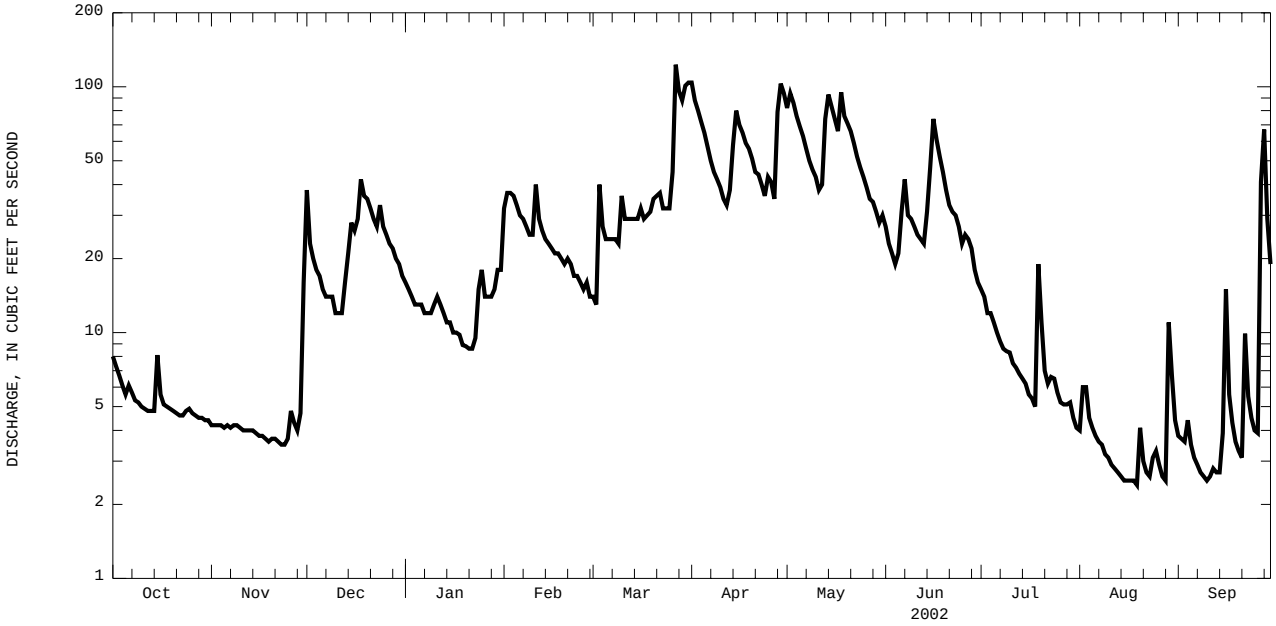
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

MEAN	12.3	17.4	46.5	14.4	24.9	41.9	87.9	54.6	37.1	7.95	3.91	17.6
MAX	19.3	30.5	70.0	16.1	25.2	42.6	118	59.3	42.8	8.06	4.14	35.6
(WY)	2001	2001	2001	2001	2001	2001	2001	2002	2001	2002	2001	2000
MIN	5.31	4.40	23.1	12.7	24.6	41.2	58.2	50.0	31.3	7.83	3.68	8.35
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	2002	2001	2002	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2000 - 2002	
ANNUAL TOTAL	10517.5		8528.9			
ANNUAL MEAN	28.8		23.4		29.8	
HIGHEST ANNUAL MEAN					36.1	2001
LOWEST ANNUAL MEAN					23.4	2002
HIGHEST DAILY MEAN	371	Apr 10	123	Mar 27	590	Dec 17 2000
LOWEST DAILY MEAN	2.2	Sep 8	2.4	Aug 19	2.2	Sep 8 2001
ANNUAL SEVEN-DAY MINIMUM	2.2	Sep 7	2.5	Aug 13	2.2	Sep 7 2001
ANNUAL RUNOFF (CFSM)	1.78		1.44		1.84	
ANNUAL RUNOFF (INCHES)	24.15		19.58		24.95	
10 PERCENT EXCEEDS	76		58		70	
50 PERCENT EXCEEDS	15		15		18	
90 PERCENT EXCEEDS	3.6		3.6		3.6	

e Estimated

01363382 BUSH KILL BELOW MALTBY HOLLOW BROOK AT WEST SHOKAN, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01364500 ESOPUS CREEK AT MOUNT MARION, NY

LOCATION.--Lat 42°02'16", long 73°58'21", Ulster County, Hydrologic Unit 02020006, on left bank at downstream side of bridge on Glasco Turnpike, 0.8 mi east of Mount Marion, 1.6 mi downstream from Plattekill Creek, and 4.5 mi upstream from mouth.
DRAINAGE AREA.--419 mi^2.
PERIOD OF RECORD.--April 1907 to December 1913, January 1914 to March 1918 (monthly discharges only, published in WSP 1302), March 1970 to current year. Occasional miscellaneous measurements, 1902, 1951, 1956, 1966, 1967, 1969.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 40.16 ft above NGVD of 1929. Prior to Aug. 12, 1970, nonrecording gage at same site (at different datum April 1907 to March 1918, and at present datum June 9, 1966 to Aug. 12, 1970).
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow from 256 mi^2 of drainage area regulated by Ashokan Reservoir since Sept. 9, 1913. Water diverted from Schoharie Creek through Shandaken Tunnel (see station 01362230) since Feb. 3, 1924, enters Esopus Creek about 12.2 mi upstream from Ashokan Reservoir. Diversion from Plattekill Creek for water supply of village of Saugerties. Slight diversion at headwaters into Cooper Lake for water supply of Kingston. Diversions upstream during summer months for irrigation purposes. Diversions for water supply of city of New York made from Ashokan Reservoir (see Reservoirs in Hudson River Basin). Discharge records for this station now represent the natural flow from 112 mi^2, together with spillage during high stages from the upstream reservoirs.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 28,000 ft^3/s, Apr. 26, 1910, gage height, 25.10 ft, datum then in use; maximum discharge since March 1970, 22,500 ft^3/s, Apr. 5, 1987, gage height, 24.78 ft; minimum discharge, 5.3 ft^3/s, Aug. 10, 1999, gage height, 11.51 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, about 1,700 ft^3/s, June 7; maximum gage height not determined; minimum discharge, 7.9 ft^3/s, Sept. 14, 15, gage height, 11.64 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	18	80	e39	87	67	435	558	e500	69	19	27
2	28	18	82	e35	154	62	358	516	e300	62	25	23
3	26	18	61	e33	157	191	314	656	e220	58	32	20
4	24	19	54	e31	148	305	317	497	e200	51	29	20
5	22	18	52	e33	132	251	266	390	e220	44	30	19
6	21	19	45	e34	118	211	236	345	e800	40	25	17
7	19	19	40	e37	109	188	210	284	e1500	35	20	15
8	17	19	35	e34	103	168	193	243	e900	32	18	13
9	17	19	40	e38	95	153	181	210	e620	30	16	13
10	17	18	39	e40	89	170	175	195	e500	30	15	12
11	16	17	38	e42	143	165	161	170	e400	27	14	11
12	16	18	37	e48	160	150	150	158	e310	25	13	9.3
13	17	19	38	52	144	144	143	335	e300	23	12	8.9
14	17	18	45	48	122	141	174	1070	e290	21	12	8.1
15	22	26	80	47	e110	134	234	847	e330	20	10	9.6
16	23	34	85	47	e100	144	239	574	340	19	9.8	53
17	21	24	82	48	e96	157	207	421	316	18	10	44
18	17	21	111	47	e90	152	184	588	234	17	11	33
19	16	19	125	44	e90	156	174	690	190	16	11	27
20	16	18	111	44	91	177	172	504	160	61	14	22
21	16	17	96	45	91	281	159	397	134	90	15	18
22	17	18	84	44	88	391	148	e320	129	54	13	19
23	21	17	77	44	83	363	143	e290	251	41	12	19
24	19	17	e74	48	79	306	133	e260	197	42	12	18
25	20	18	e70	55	75	264	136	e240	147	33	12	16
26	17	24	e66	58	71	247	185	e220	122	28	12	15
27	16	29	e60	59	e68	912	169	e200	116	26	12	36
28	15	24	e56	61	e66	856	293	e200	105	25	10	194
29	16	24	e52	61	---	628	901	e210	95	24	19	137
30	16	26	e47	68	---	566	727	e200	80	22	34	88
31	17	---	e40	72	---	496	---	e300	---	20	30	---
TOTAL	594	613	2002	1436	2959	8596	7517	12088	10006	1103	526.8	964.9
MEAN	19.2	20.4	64.6	46.3	106	277	251	390	334	35.6	17.0	32.2
MAX	32	34	125	72	160	912	901	1070	1500	90	34	194
MIN	15	17	35	31	66	62	133	158	80	16	9.8	8.1

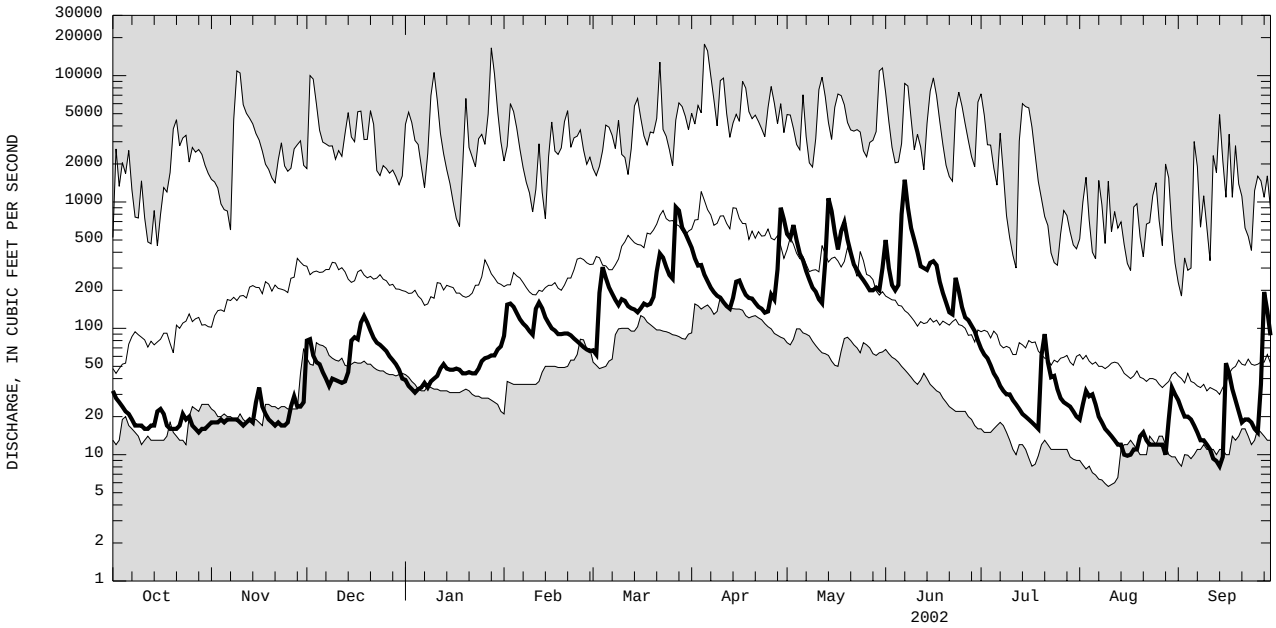
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2002, BY WATER YEAR (WY)

MEAN	221	412	500	462	477	767	1172	705	403	181	89.0	124
MAX	855	1978	2775	1887	1745	2049	3306	1738	1773	1163	426	609
(WY)	1997	1914	1997	1978	1976	1977	1987	1998	1972	1996	1990	1987
MIN	19.2	20.4	64.6	31.6	59.4	167	136	97.9	37.5	14.4	12.4	13.6
(WY)	2002	2002	2002	1981	1980	1981	1985	1995	1991	1993	1993	1980

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1914 - 2002	
ANNUAL TOTAL	84417		48405.7			
ANNUAL MEAN	231		133		453	
HIGHEST ANNUAL MEAN					908	1978
LOWEST ANNUAL MEAN					98.5	1985
HIGHEST DAILY MEAN	4190	Apr 14	1500	Jun 7	17800	Apr 5 1987
LOWEST DAILY MEAN	12	Sep 13	8.1	Sep 14	5.6	Aug 10 1999
ANNUAL SEVEN-DAY MINIMUM	13	Sep 7	10	Sep 9	6.1	Aug 7 1999
10 PERCENT EXCEEDS	562		318		1140	
50 PERCENT EXCEEDS	96		54		168	
90 PERCENT EXCEEDS	17		16		30	

e Estimated

01364500 ESOPUS CREEK AT MOUNT MARION, NY--Continued



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.

01364959 RONDOUT CREEK ABOVE RED BROOK AT PEEKAMOOSE, NY

LOCATION.--Lat 41°56'13", long 74°22'30", Ulster County, Hydrologic Unit 02020007, 500 ft upstream from mouth of Red Brook, 0.8 mi upstream from outlet of Peekamoose Lake, and 0.8 mi north of Peekamoose.
DRAINAGE AREA.--5.36 mi^2.
PERIOD OF RECORD.--May 1996 to current year. Occasional discharge measurements, water years 1984-86, 1988-94.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,740 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records fair except those above 400 ft^3/s, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 803 ft^3/s, Oct. 20, 1996, gage height, 4.13 ft, from rating curve extended above 200 ft^3/s; minimum discharge, 1.3 ft^3/s, part or all of several days during September 2001 and 2002; minimum gage height, 0.38 ft, Aug. 11, 1997, Sept. 12, 13, 18, 19, 20, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sept. 27	2215	*203	*2.60	No other peak greater than base discharge.			

Minimum discharge, 1.3 ft^3/s, Sept. 7, 8, 9, 11, 12, 13, 14, gage height, 0.43 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

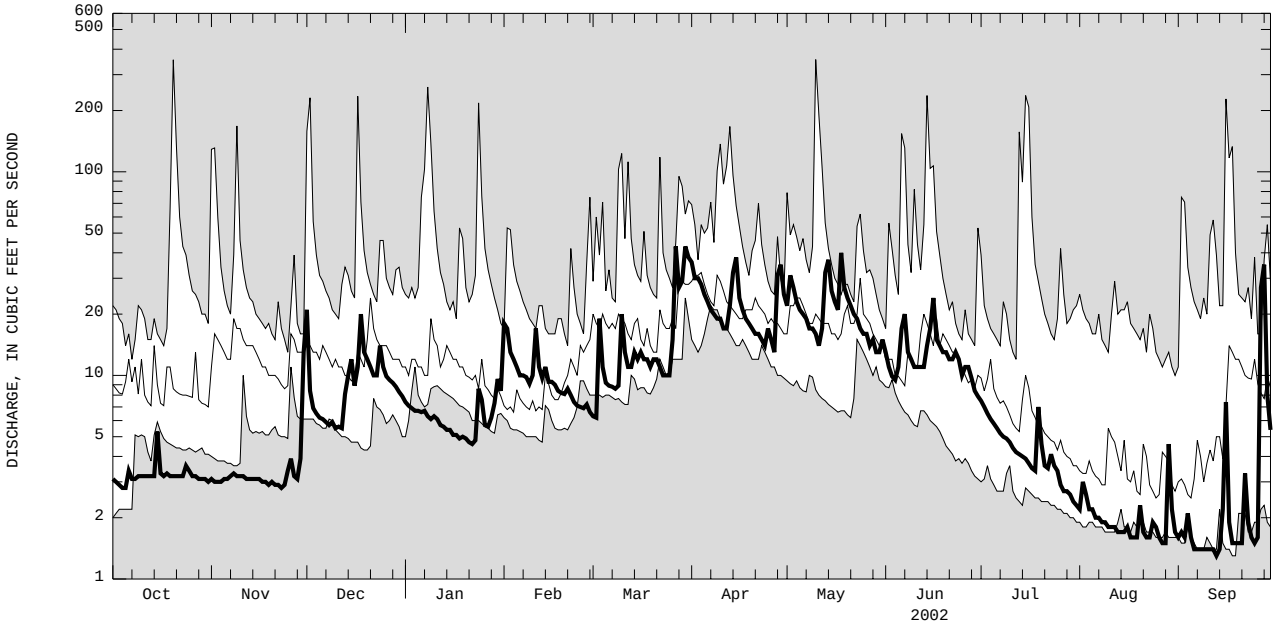
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.1	21	7.4	18	6.3	36	22	13	7.5	2.2	1.6
2	3.0	3.0	8.4	7.1	17	6.2	30	31	11	7.0	3.0	1.7
3	2.9	3.0	6.9	6.9	13	19	30	27	9.9	6.5	2.6	1.6
4	2.8	3.0	6.5	6.7	12	11	28	23	9.5	6.1	2.2	2.1
5	2.8	3.1	6.2	6.7	11	9.2	25	21	11	5.8	2.2	1.6
6	3.4	3.1	6.1	6.6	10	8.9	23	20	17	5.5	2.0	1.4
7	3.1	3.2	5.9	6.7	10	8.8	21	19	20	5.2	2.0	1.4
8	3.1	3.3	5.7	6.3	9.8	8.6	20	17	13	5.0	1.9	1.4
9	3.2	3.2	5.9	6.1	9.1	8.9	19	17	12	4.9	1.9	1.4
10	3.2	3.2	5.5	6.3	10	20	19	16	11	4.7	1.8	1.4
11	3.2	3.2	5.6	6.1	17	13	17	14	11	4.4	1.8	1.4
12	3.2	3.1	5.5	5.7	11	11	17	17	11	4.2	1.8	1.4
13	3.2	3.1	8.1	5.6	9.7	11	22	32	11	4.1	1.7	1.3
14	3.2	3.1	10	5.4	11	13	32	37	14	4.0	1.7	1.4
15	5.3	3.1	12	5.4	9.3	12	38	26	17	3.9	1.7	2.2
16	3.3	3.1	8.9	5.1	9.3	13	24	23	24	3.7	1.8	7.4
17	3.2	3.0	11	5.1	9.0	12	21	21	15	3.5	1.6	1.9
18	3.3	3.0	20	4.9	8.4	12	19	40	14	3.4	1.6	1.5
19	3.2	2.9	13	5.0	8.2	11	18	27	13	7.0	1.6	1.5
20	3.2	3.0	12	4.9	8.1	12	17	24	13	4.6	2.3	1.5
21	3.2	2.9	11	4.7	8.6	12	16	22	12	3.6	1.7	1.5
22	3.2	2.9	10	4.6	8.0	11	16	20	12	3.5	1.6	3.3
23	3.2	2.8	10	4.8	7.4	10	15	19	13	4.1	1.6	1.9
24	3.6	2.9	14	8.6	7.1	10	14	17	12	3.6	1.9	1.6
25	3.4	3.4	11	7.6	7.0	10	17	16	10	3.4	1.8	1.5
26	3.2	3.9	9.9	5.7	6.9	15	15	16	11	2.9	1.6	1.6
27	3.2	3.2	9.5	5.6	7.2	43	13	14	11	2.7	1.5	27
28	3.1	3.1	9.2	6.2	6.6	27	31	15	9.7	2.7	1.5	35
29	3.1	3.9	8.8	7.3	---	29	35	13	8.4	2.6	4.6	8.0
30	3.1	13	8.3	9.6	---	43	25	13	7.9	2.4	2.2	5.4
31	3.0	---	7.9	8.4	---	38	---	15	---	2.3	1.7	---
TOTAL	100.2	103.8	293.8	193.1	279.7	474.9	673	654	377.4	134.8	61.1	123.9
MEAN	3.23	3.46	9.48	6.23	9.99	15.3	22.4	21.1	12.6	4.35	1.97	4.13
MAX	5.3	13	21	9.6	18	43	38	40	24	7.5	4.6	35
MIN	2.8	2.8	5.5	4.6	6.6	6.2	13	13	7.9	2.3	1.5	1.3
CFSM	0.60	0.65	1.77	1.16	1.86	2.86	4.19	3.94	2.35	0.81	0.37	0.77
IN.	0.70	0.72	2.04	1.34	1.94	3.30	4.67	4.54	2.62	0.94	0.42	0.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	12.2	15.2	17.5	16.8	12.0	23.0	27.9	23.3	17.5	12.5	5.45	11.8
MAX	36.4	31.2	42.5	34.7	19.7	34.7	45.4	43.6	31.4	31.6	16.9	21.8
(WY)	1997	1998	1997	1998	1999	1998	2001	1998	1998	2000	2000	2000
MIN	3.23	3.46	5.90	6.23	7.35	10.7	17.3	13.1	6.47	3.08	1.97	2.37
(WY)	2002	2002	1999	2002	2001	2001	1999	1999	1997	1997	2002	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	3961.7		3469.7			
ANNUAL MEAN	10.9		9.51		15.8	
HIGHEST ANNUAL MEAN					20.7	1998
LOWEST ANNUAL MEAN					9.51	2002
HIGHEST DAILY MEAN	167	Apr 13	43	Mar 27	356	May 10 1998
LOWEST DAILY MEAN	1.3	Sep 18	1.3	Sep 13	1.3	Sep 18 2001
ANNUAL SEVEN-DAY MINIMUM	1.4	Sep 7	1.4	Sep 7	1.4	Sep 7 2002
ANNUAL RUNOFF (CFSM)	2.02		1.77		2.95	
ANNUAL RUNOFF (INCHES)	27.50		24.08		40.12	
10 PERCENT EXCEEDS	21		21		29	
50 PERCENT EXCEEDS	7.1		6.9		11	
90 PERCENT EXCEEDS	2.2		1.8		2.6	

01364959 RONDOUT CREEK ABOVE RED BROOK AT PEEKAMOOSE, NY--Continued



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.

01365000 RONDOUT CREEK NEAR LOWES CORNERS, NY

LOCATION.--Lat 41°51'59", long 74°29'15", Sullivan County, Hydrologic Unit 02020007, on right bank 350 ft downstream from small tributary, 260 ft upstream from bridge on county road, 1.1 mi upstream from Sugarloaf Brook, 1.1 mi east of Lowes Corners, and 1.5 mi southwest of Sundown.
DRAINAGE AREA.--38.3 mi^2.
PERIOD OF RECORD.--February 1937 to current year.
REVISED RECORDS.--WSP 1702: 1952. WDR NY-90-1: Drainage area. WDR NY—00-1: 1997-99 (P).
GAGE.--Water-stage recorder. Datum of gage is 874.72 ft above NGVD of 1929. Prior to Aug. 1, 2001, at site on left bank 250 ft upstream, at datum 874.44 ft above NGVD of 1929. Prior to Oct. 4, 1938, nonrecording gage at highway bridge 350 ft downstream at different datum. Oct. 4, 1938 to July 5, 1951, water-stage recorder at site 1.2 mi downstream; Oct. 4, 1938 to July 3, 1949, datum 847.00 ft above NGVD of 1929 and July 4, 1949 to July 5, 1951, datum 846.00 ft above NGVD of 1929 (levels by Board of Water Supply, City of New York).
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 7,600 ft^3/s, July 22, 1938, from rating curve extended above 2,600 ft^3/s; maximum gage height, 10.58 ft, July 14, 2000, site and datum then in use; minimum discharge, 3.3 ft^3/s, Sept. 16, 17, Oct. 17, 18, 1980.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	1215	*612	*3.34				

Minimum discharge, 6.5 ft^3/s, Sept. 12, 13, 14, gage height, 1.38 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	9.6	85	36	82	37	207	164	98	56	11	9.8
2	12	9.6	37	36	99	36	174	206	80	52	12	9.4
3	12	9.6	28	35	e80	89	163	187	71	45	16	9.0
4	11	9.4	25	35	e78	66	148	160	65	41	11	12
5	11	9.3	24	34	71	52	131	145	86	36	12	10
6	11	9.3	23	33	e70	53	118	131	151	33	11	8.5
7	11	9.2	22	e33	68	52	107	123	169	30	10	7.9
8	10	9.2	21	32	64	51	99	111	123	29	9.6	7.5
9	10	9.0	23	31	59	51	94	109	108	28	9.1	7.3
10	10	8.8	21	32	59	89	91	104	98	28	8.8	7.2
11	10	8.8	21	33	104	70	83	91	90	24	8.4	6.9
12	10	8.8	22	31	75	67	79	102	87	23	8.2	6.8
13	10	8.7	27	29	66	67	90	182	83	22	7.9	6.7
14	10	8.7	39	27	58	75	153	223	94	21	7.7	6.6
15	17	8.8	56	27	59	72	180	178	103	20	7.7	9.8
16	13	8.8	39	26	59	78	144	157	139	19	7.9	68
17	12	8.5	45	26	57	72	131	142	112	17	7.9	20
18	11	8.5	99	25	52	72	122	221	98	16	7.6	12
19	10	8.5	76	23	50	70	114	173	92	20	7.3	10
20	10	8.8	70	e23	50	74	107	152	81	26	14	9.0
21	10	8.6	65	e23	52	79	99	139	76	17	10	8.7
22	10	8.4	58	e23	49	79	96	127	71	16	8.5	26
23	10	8.3	55	24	45	72	89	116	71	20	8.1	16
24	12	8.3	74	37	43	70	82	107	72	20	10	11
25	11	9.0	62	51	41	70	100	97	59	15	11	9.9
26	10	12	55	36	41	87	100	93	79	14	8.8	9.7
27	9.9	10	50	35	44	280	84	86	89	14	7.9	86
28	9.6	9.2	47	37	40	205	161	e150	81	14	7.6	175
29	9.6	9.7	45	43	---	190	215	e120	65	14	29	64
30	9.6	21	43	57	---	229	175	e94	58	12	19	48
31	9.3	---	38	55	---	215	---	105	---	11	12	---
TOTAL	335.0	284.4	1395	1028	1715	2869	3736	4295	2749	753	327.0	698.7
MEAN	10.8	9.48	45.0	33.2	61.2	92.5	125	139	91.6	24.3	10.5	23.3
MAX	17	21	99	57	104	280	215	223	169	56	29	175
MIN	9.3	8.3	21	23	40	36	79	86	58	11	7.3	6.6
CFSM	0.28	0.25	1.17	0.87	1.60	2.42	3.25	3.62	2.39	0.63	0.28	0.61
IN.	0.33	0.28	1.35	1.00	1.67	2.79	3.63	4.17	2.67	0.73	0.32	0.68

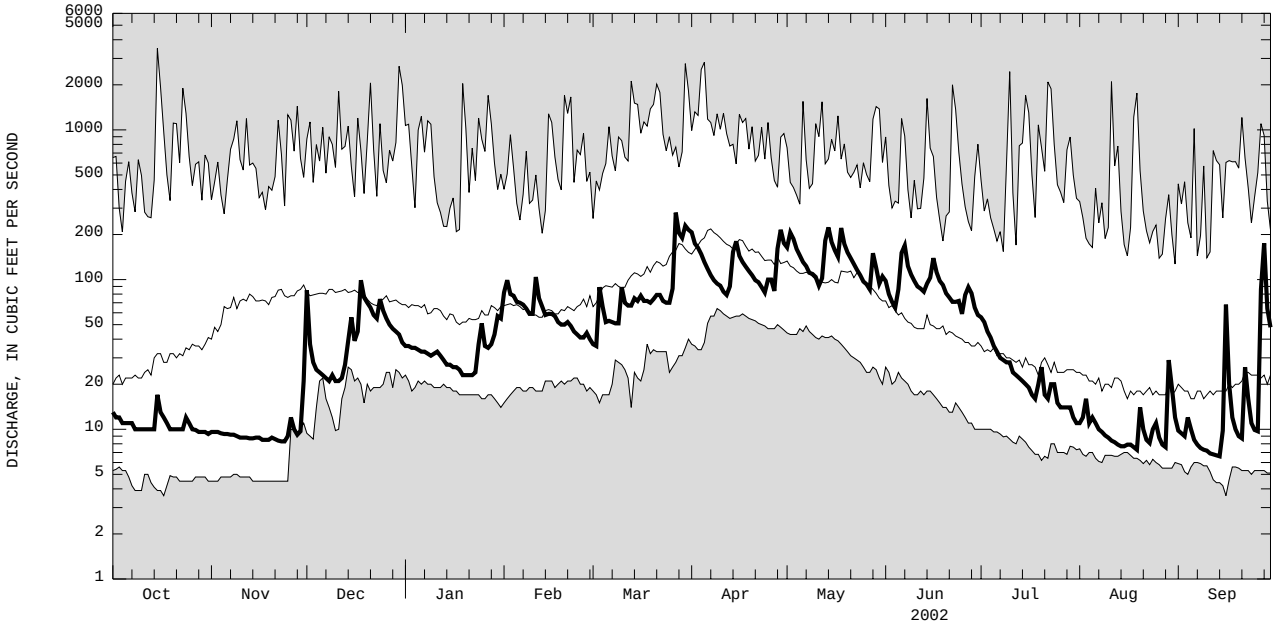
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2002, BY WATER YEAR (WY)

MEAN	63.6	99.3	114	94.9	93.3	160	216	136	74.9	50.1	34.0	39.0
MAX	403	295	338	293	299	379	447	382	299	264	226	185
(WY)	1956	1973	1974	1996	1981	1977	1940	1989	1972	1938	1938	1987
MIN	4.92	5.88	29.8	18.2	21.0	60.5	64.8	41.3	18.7	9.18	7.19	5.95
(WY)	1965	1965	1947	1981	1980	1970	1946	1941	1962	1962	1962	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1937 - 2002	
ANNUAL TOTAL	21644.3		20185.1			
ANNUAL MEAN	59.3		55.3		97.9	
HIGHEST ANNUAL MEAN					152	1996
LOWEST ANNUAL MEAN					49.1	1965
HIGHEST DAILY MEAN	1010	Apr 10	280	Mar 27	3500	Oct 15 1955
LOWEST DAILY MEAN	7.6	Sep 19	6.6	Sep 14	3.6	Sep 16 1980
ANNUAL SEVEN-DAY MINIMUM	8.1	Sep 7	7.0	Sep 8	4.1	Oct 13 1980
ANNUAL RUNOFF (CFSM)	1.55		1.44		2.56	
ANNUAL RUNOFF (INCHES)	21.02		19.61		34.73	
10 PERCENT EXCEEDS	110		131		209	
50 PERCENT EXCEEDS	39		37		59	
90 PERCENT EXCEEDS	9.3		8.8		14	

e Estimated

01365000 RONDOUT CREEK NEAR LOWES CORNERS, NY--Continued



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.

01365500 CHESTNUT CREEK AT GRAHAMSVILLE, NY

LOCATION.--Lat 41°50'42", long 74°32'27", Sullivan County, Hydrologic Unit 02020007, on right bank 600 ft downstream from Red Brook, and 0.6 mi upstream from bridge on State Highway 55, in Grahamsville.
DRAINAGE AREA.--20.9 mi^2.
PERIOD OF RECORD.--October 1938 to March 1987, October 1998 to current year. Monthly discharge only for some periods, published in WSP 1302.
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 878.96 ft above NGVD of 1929. Prior to October 1998, datum 2 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Slight seasonal regulation caused by Beaverdam Pond on Red Brook. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,640 ft^3/s, Oct. 15, 1955, gage height, 7.02 ft, present datum, from rating curve extended above 1,300 ft^3/s on basis of slope-area measurement at gage height 6.68 ft, present datum; minimum discharge, 1.4 ft^3/s, Nov. 1, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 26	2330	*555	*3.81	No other peak greater than base discharge.			

Minimum discharge, 3.4 ft^3/s, Sept. 11, 13, gage height, 1.75 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	4.7	24	e7.4	36	e13	67	67	89	20	5.4	5.9
2	6.7	4.5	11	e7.4	35	14	53	112	56	18	5.3	5.9
3	6.4	4.4	9.3	7.6	27	39	52	80	45	17	5.2	5.3
4	5.9	4.1	8.2	7.9	24	26	46	61	39	15	4.9	6.7
5	5.5	4.2	7.6	7.9	19	19	40	52	77	14	8.0	4.9
6	5.7	4.3	7.1	7.9	e18	20	37	46	178	14	5.5	4.6
7	5.3	4.2	6.6	8.7	e17	19	34	43	213	13	5.2	4.4
8	5.1	4.2	6.5	7.9	e17	18	31	39	100	12	5.0	4.2
9	5.1	4.1	7.6	8.0	17	19	32	41	75	12	4.8	4.1
10	5.1	4.1	6.8	8.7	19	34	31	39	60	12	4.6	4.0
11	5.0	4.1	7.1	e8.0	44	23	27	31	51	10	4.5	3.8
12	5.1	4.1	6.8	e7.6	28	23	26	47	48	10	4.4	3.7
13	5.0	4.1	8.8	e7.4	22	23	41	152	45	9.7	4.3	3.8
14	5.0	4.2	14	e7.2	19	25	66	153	63	9.6	4.3	3.8
15	7.6	4.3	17	e7.2	e18	24	84	87	74	9.3	4.5	8.1
16	5.7	4.1	11	e7.0	e17	28	55	65	87	8.5	5.1	36
17	5.3	4.0	15	e7.0	e17	24	46	56	58	8.2	4.9	9.6
18	4.9	4.1	40	e6.8	17	24	40	138	48	7.9	4.3	7.0
19	4.9	4.2	23	e6.8	17	e23	38	83	48	9.4	4.0	6.1
20	4.9	4.3	20	e7.0	19	e22	36	65	38	9.1	9.2	5.8
21	4.6	4.2	16	e7.2	20	e21	32	56	33	7.8	5.2	5.7
22	4.7	4.3	14	e7.8	18	e20	33	49	32	7.5	5.0	9.4
23	5.0	4.2	13	8.7	16	e19	30	42	34	8.6	4.9	7.4
24	6.1	4.3	18	14	15	e20	27	39	28	8.1	7.2	6.4
25	5.1	5.1	14	17	14	31	47	35	25	7.1	5.9	6.0
26	4.5	6.6	e11	14	e14	69	48	36	37	6.9	4.9	6.5
27	4.5	5.1	e9.4	13	e13	220	36	35	35	7.1	4.7	61
28	4.4	4.9	e8.8	15	e13	103	112	71	30	7.1	4.5	66
29	4.4	5.3	e8.2	18	---	82	118	54	24	6.6	18	23
30	4.4	13	e7.6	25	---	87	79	45	22	5.9	8.8	16
31	4.4	---	e7.4	23	---	70	---	97	---	5.5	6.3	---
TOTAL	163.6	141.3	384.8	314.1	570	1202	1444	2016	1792	316.9	178.8	345.1
MEAN	5.28	4.71	12.4	10.1	20.4	38.8	48.1	65.0	59.7	10.2	5.77	11.5
MAX	7.6	13	40	25	44	220	118	153	213	20	18	66
MIN	4.4	4.0	6.5	6.8	13	13	26	31	22	5.5	4.0	3.7
CFSM	0.25	0.23	0.59	0.48	0.97	1.86	2.30	3.11	2.86	0.49	0.28	0.55
IN.	0.29	0.25	0.68	0.56	1.01	2.14	2.57	3.59	3.19	0.56	0.32	0.61

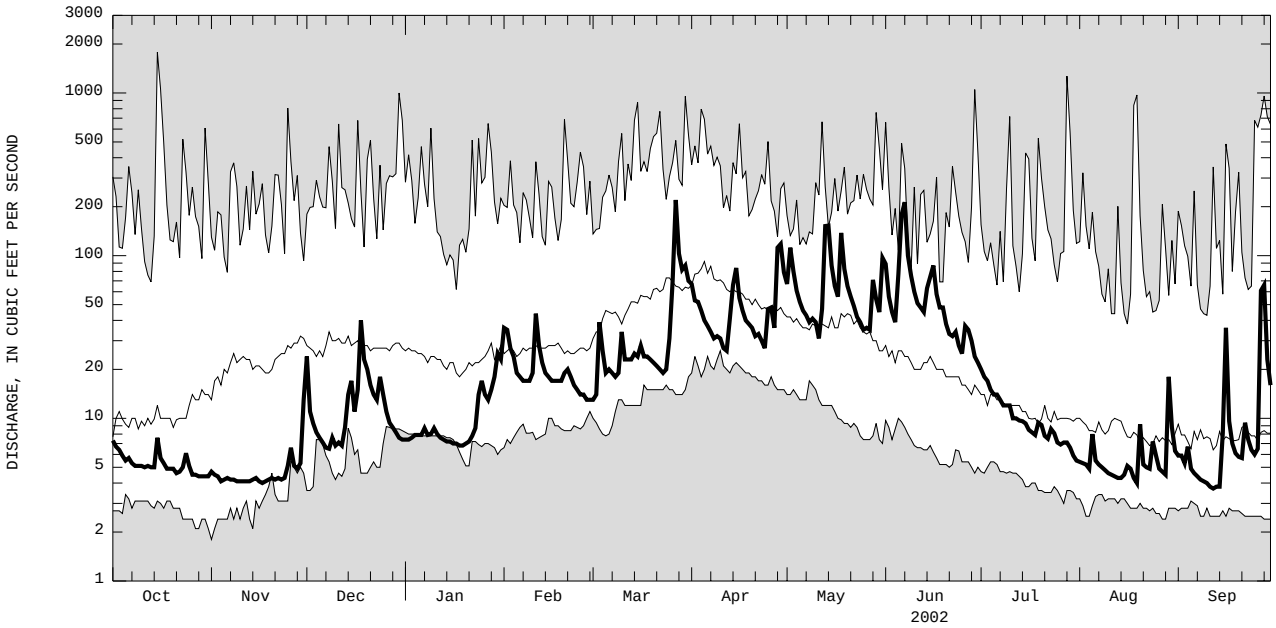
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	23.7	34.0	42.2	36.8	40.6	73.8	79.6	50.9	32.9	21.5	14.5	14.6
MAX	207	89.2	101	93.6	129	143	176	101	106	123	89.3	58.3
(WY)	1956	1973	1974	1979	1981	1977	1956	1984	1973	1945	1955	1960
MIN	2.93	3.51	10.7	7.46	10.8	25.4	23.2	11.4	8.00	4.66	3.56	3.20
(WY)	1965	1965	1999	1981	1980	1981	1946	1941	1965	1955	1962	1941

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1940 - 2002	
ANNUAL TOTAL	8943.2		8868.6			
ANNUAL MEAN	24.5		24.3		38.7	
HIGHEST ANNUAL MEAN					61.9	1952
LOWEST ANNUAL MEAN					18.3	1965
HIGHEST DAILY MEAN	357	Apr 10	220	Mar 27	1780	Oct 15 1955
LOWEST DAILY MEAN	3.8	Sep 8	3.7	Sep 12	1.8	Nov 1 1964
ANNUAL SEVEN-DAY MINIMUM	4.1	Nov 7	3.9	Sep 8	2.1	Oct 27 1964
ANNUAL RUNOFF (CFSM)	1.17		1.16		1.85	
ANNUAL RUNOFF (INCHES)	15.92		15.79		25.17	
10 PERCENT EXCEEDS	46		60		83	
50 PERCENT EXCEEDS	14		13		22	
90 PERCENT EXCEEDS	4.4		4.4		5.9	

e Estimated

01365500 CHESTNUT CREEK AT GRAHAMSVILLE, NY--Continued



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.

01367500 RONDOUT CREEK AT ROSENDALE, NY

LOCATION.--Lat 41°50'35", long 74°05'11", Ulster County, Hydrologic Unit 02020007, on left bank 30 ft upstream from bridge on James Street in Rosendale, and 3 mi upstream from Wallkill River.
DRAINAGE AREA.--383 mi^2.
PERIOD OF RECORD.--July 1901 to November 1903, October 1905 to December 1906 (monthly discharges only, published in WSP 1302), January 1907 to December 1913, January 1914 to January 1919 (monthly discharges only, published in WSP 1302), August 1926 to current year.
REVISED RECORDS.--WSP 756: 1933. WDR NY-90-1: Drainage Area. WDR NY-92-1: 1903.
GAGE.--Water-stage recorder. Datum of gage is 32.83 ft above NGVD of 1929. Prior to January 1919, nonrecording gage at site 150 ft downstream at datum 6.00 ft higher. Aug. 3, 1926 to Sept. 10, 1969, at present site at datum 10.00 ft higher. Sept. 11, 1969 to Feb. 3, 1970, water-stage recorder, and June 9, 1970 to Jan. 18, 1971, nonrecording gage at site 0.2 mi upstream at datum 11.20 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional regulation from hydroelectric plant upstream from station. Diversion upstream from station during navigation season for Delaware and Hudson Canal, 1901-19. Diversion from Rondout Creek through the emergency connection to the Delaware Aqueduct at Lackawack for New York City water supply during April 1944 to May 1951. Since October 1950, flow regulated by Rondout Reservoir (see Reservoirs in Hudson River Basin). Subsequent to May 1951, entire flow except for period of spilling, diverted from Rondout Reservoir for New York City water supply. Discharge records for this station now represent the natural flow from 288 mi^2 together with spillage during high flow from Rondout Reservoir. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft^3/s, Oct. 16, 1955, gage height, 36.8 ft, present datum, from floodmarks, from rating curve extended above 17,500 ft^3/s, on basis of contracted-opening measurement at gage height 33.93 ft, present datum; minimum discharge, 2.2 ft^3/s, July 16, 1965.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,980 ft^3/s, June 7, gage height, 13.86 ft; minimum, 35 ft^3/s, Nov. 8, gage height, 8.63 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	54	66	e80	169	100	668	907	717	174	58	92
2	80	55	105	e74	242	93	589	899	509	168	77	77
3	74	54	77	e72	221	375	510	1080	407	153	78	71
4	70	50	64	e70	192	496	515	771	331	140	69	73
5	67	48	60	e68	e140	307	447	623	490	127	65	71
6	63	47	55	e66	e140	248	398	528	826	114	68	64
7	61	47	53	e70	e130	225	362	466	3580	107	60	58
8	59	48	51	e74	138	207	310	424	2060	103	54	55
9	57	46	58	e72	131	191	290	364	1180	99	52	54
10	57	47	57	77	123	223	279	355	824	101	51	53
11	57	47	55	82	173	e210	257	311	638	96	50	51
12	58	48	54	95	217	212	239	322	525	87	50	49
13	57	47	59	96	193	203	235	1110	486	83	49	49
14	56	47	72	88	145	200	266	3120	472	81	47	49
15	62	47	131	83	e130	192	418	1760	969	81	46	51
16	61	47	144	82	e120	211	467	1090	964	78	47	278
17	62	48	119	81	e120	251	367	812	785	75	50	294
18	59	47	188	81	e120	236	329	1350	603	71	51	156
19	59	46	271	e74	123	241	295	1580	492	90	48	109
20	59	48	205	e80	120	312	294	1050	391	111	65	89
21	59	50	189	e80	124	484	272	819	341	94	80	80
22	60	50	167	e80	128	593	253	643	312	82	62	78
23	61	49	146	86	122	439	269	555	333	77	55	86
24	61	49	145	88	114	377	251	477	324	105	55	87
25	62	50	e120	e100	107	359	253	450	276	100	59	75
26	57	55	e110	e100	104	373	473	399	240	80	61	71
27	54	57	e100	e110	e100	1380	388	386	254	73	57	117
28	56	55	e96	e110	e98	1330	670	373	263	71	52	719
29	57	56	e90	e120	---	957	1810	839	235	72	82	456
30	54	55	e80	e120	---	842	1170	576	200	70	230	273
31	54	---	e82	e140	---	733	---	460	---	64	126	---
TOTAL	1901	1494	3269	2699	3984	12600	13344	24899	20027	3027	2054	3885
MEAN	61.3	49.8	105	87.1	142	406	445	803	668	97.6	66.3	130
MAX	88	57	271	140	242	1380	1810	3120	3580	174	230	719
MIN	54	46	51	66	98	93	235	311	200	64	46	49

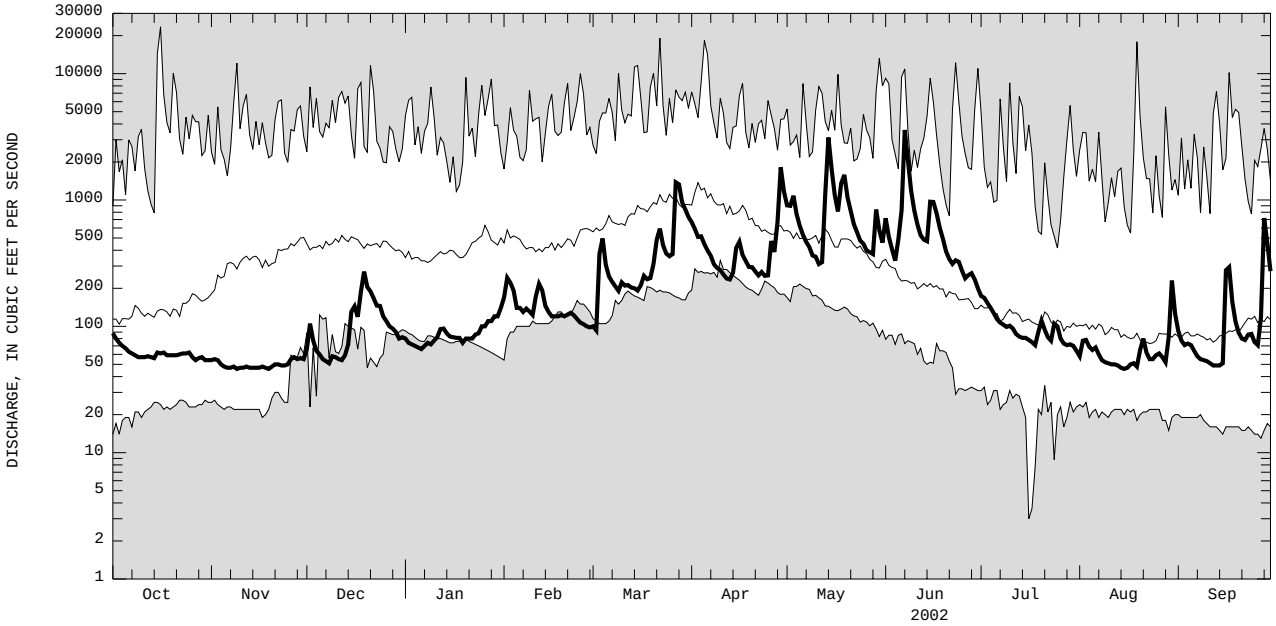
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2002, BY WATER YEAR (WY)

MEAN	335	542	680	628	704	1142	1140	725	442	222	182	225
MAX	2473	1456	2101	2043	2057	2379	2524	2302	2180	867	1220	1175
(WY)	1956	1973	1974	1979	1981	1977	1983	1989	1972	1996	1955	1987
MIN	22.0	34.8	105	75.0	126	316	313	201	68.0	29.0	24.1	16.8
(WY)	1965	1965	2002	1981	1980	1981	1985	1965	1965	1965	1964	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1952 - 2002	
ANNUAL TOTAL	132622		93183			
ANNUAL MEAN	363		255		580	
HIGHEST ANNUAL MEAN					892	1952
LOWEST ANNUAL MEAN					255	1965
HIGHEST DAILY MEAN	4150	Mar 30	3580	Jun 7	23500	Oct 16 1955
LOWEST DAILY MEAN	46	Sep 13	46	Nov 9	3.0	Jul 16 1965
ANNUAL SEVEN-DAY MINIMUM	47	Nov 9	47	Nov 9	15	Sep 21 1964
10 PERCENT EXCEEDS	903		611		1330	
50 PERCENT EXCEEDS	156		104		300	
90 PERCENT EXCEEDS	51		51		64	

e Estimated

01367500 RONDOUT CREEK AT ROSENDALE, NY--Continued



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.

01371500 WALLKILL RIVER AT GARDINER, NY

LOCATION.--Lat 41°41'10", long 74°09'56", Ulster County, Hydrologic Unit 02020007, on left bank 400 ft upstream from bridge on U.S. Highway 44, 500 ft downstream from Shawangunk Kill, and 0.7 mi northwest of Gardiner.
DRAINAGE AREA.--695 mi^2.
PERIOD OF RECORD.--September 1924 to current year.
REVISED RECORDS.--WSP 756: Drainage area. WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 185.70 ft above NGVD of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Regulation at low flows by dams upstream and some diversions for municipalities and irrigational purposes. National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,800 ft^3/s, Oct. 16, 1955, gage height, 19.81 ft; minimum discharge, 9.5 ft^3/s, Sept. 28, 1964; minimum gage height, 1.49 ft, Aug. 7, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 14	0330	*5,800	*7.11				

Minimum discharge, 22 ft^3/s, Aug. 19, gage height, 1.73 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	96	95	e130	301	159	572	1930	1170	219	63	183
2	95	96	123	e140	403	143	560	1930	969	200	65	104
3	91	94	114	e140	361	328	509	2030	730	187	54	97
4	83	96	109	e130	320	475	508	1630	561	159	74	81
5	79	97	103	121	272	453	469	1270	873	131	84	81
6	77	94	99	e100	240	352	420	972	2390	135	73	74
7	73	92	96	e100	230	299	383	815	4720	108	74	65
8	70	93	92	e130	198	270	337	718	2930	109	68	57
9	68	95	102	e140	203	255	329	636	1880	94	59	53
10	65	96	104	131	193	265	335	610	1390	110	51	50
11	64	95	119	130	236	292	367	556	928	93	43	48
12	64	93	130	168	272	249	357	509	747	90	38	44
13	64	91	152	178	266	247	337	2110	671	78	36	40
14	63	89	178	192	224	238	338	5260	737	77	33	44
15	75	86	231	181	e180	229	964	3560	1890	72	30	40
16	73	82	229	178	199	237	1400	2360	1890	68	29	132
17	77	78	206	171	173	246	1120	1790	1540	64	27	245
18	73	75	268	169	183	240	806	2750	1100	46	26	101
19	67	73	417	e150	175	277	643	3500	807	45	24	91
20	69	73	364	e160	175	416	582	2560	672	49	40	81
21	78	74	301	231	187	843	765	2110	521	46	41	75
22	85	75	236	e210	222	911	739	1730	427	43	47	67
23	94	75	201	e180	212	680	650	1360	447	54	46	59
24	92	75	229	175	199	528	568	1080	380	174	49	55
25	92	81	248	267	182	471	539	897	312	130	48	50
26	92	93	241	343	171	426	830	768	294	127	47	49
27	97	111	e200	328	167	1120	779	706	267	105	47	83
28	105	130	e190	293	172	1070	1730	795	282	88	48	370
29	100	144	e130	274	---	834	3830	2390	280	98	82	313
30	94	142	e140	277	---	659	2480	2060	257	94	272	220
31	93	---	e150	275	---	562	---	1320	---	74	238	---
TOTAL	2518	2784	5597	5792	6316	13774	24246	52712	32062	3167	1956	3052
MEAN	81.2	92.8	181	187	226	444	808	1700	1069	102	63.1	102
MAX	106	144	417	343	403	1120	3830	5260	4720	219	272	370
MIN	63	73	92	100	167	143	329	509	257	43	24	40
CFSM	0.12	0.13	0.26	0.27	0.32	0.64	1.16	2.45	1.54	0.15	0.09	0.15
IN.	0.13	0.15	0.30	0.31	0.34	0.74	1.30	2.82	1.72	0.17	0.10	0.16

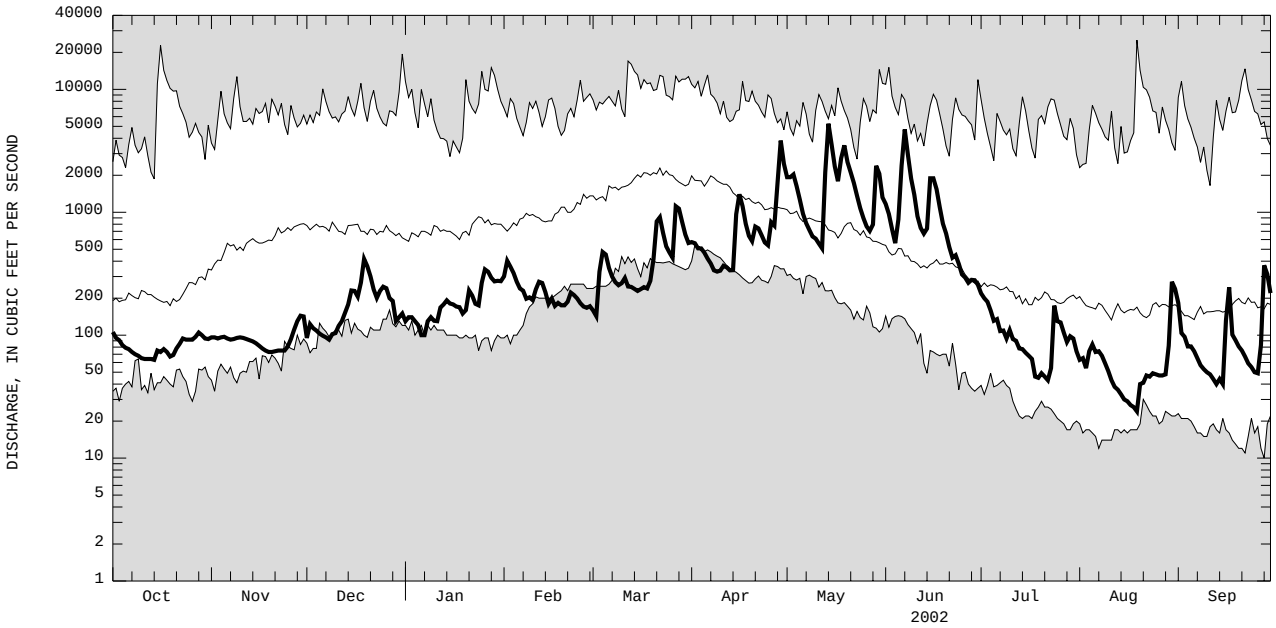
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2002, BY WATER YEAR (WY)

MEAN	525	966	1182	1205	1409	2288	1903	1163	742	470	440	474
MAX	4217	3407	3773	4054	3084	5947	5466	4087	3688	2735	3333	2664
(WY)	1956	1928	1997	1996	1984	1936	1983	1989	1972	1928	1955	1938
MIN	58.2	76.1	149	102	226	444	463	239	98.2	33.6	21.6	18.9
(WY)	1965	1965	1999	1925	2002	2002	1946	1941	1965	1966	1966	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1925 - 2002	
ANNUAL TOTAL	244835		153976			
ANNUAL MEAN	671		422		1062	
HIGHEST ANNUAL MEAN					1900	1928
LOWEST ANNUAL MEAN					390	1965
HIGHEST DAILY MEAN	7150	Mar 31	5260	May 14	25200	Aug 19 1955
LOWEST DAILY MEAN	35	Sep 9	24	Aug 19	10	Sep 28 1964
ANNUAL SEVEN-DAY MINIMUM	39	Sep 7	29	Aug 13	13	Sep 17 1964
ANNUAL RUNOFF (CFSM)	0.97		0.61		1.53	
ANNUAL RUNOFF (INCHES)	13.10		8.24		20.76	
10 PERCENT EXCEEDS	1690		1070		2620	
50 PERCENT EXCEEDS	272		175		561	
90 PERCENT EXCEEDS	69		56		106	

e Estimated

01371500 WALLKILL RIVER AT GARDINER, NY--Continued



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.

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY

LOCATION.--Lat 41°39'03", long 73°56'42", Dutchess County, Hydrologic Unit 02020008, on left bank at IBM pumping station, 2.3 mi south of Poughkeepsie, and 3.5 mi south of the Mid-Hudson bridge. Water-quality sampling site at stage station.
DRAINAGE AREA.--11,861 mi^2.

ELEVATION RECORDS

PERIOD OF RECORD.--May 1992 to current year.
REVISED RECORDS.--WDR NY-97-1: 1996.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.
REMARKS.--Satellite and telephone gage-height, temperature, and specific conductance telemeter at station. Interruption of record was due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.82 ft, Dec. 11, 1992; minimum, -4.38 ft, Mar. 14, 15, 1993.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.34 ft, June 15; minimum, -3.04 ft, Mar. 11.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.30	0.68	2.42	2.83	-0.84	1.05	3.24	-0.58	1.20	2.55	-1.75	0.26
2	3.79	-0.05	1.75	3.10	-0.79	1.15	3.06	-1.03	0.85	2.21	-1.95	0.05
3	3.14	-0.38	1.45	2.85	-0.80	1.01	3.17	-0.96	1.04	2.50	-1.47	0.47
4	3.07	-0.40	1.39	3.12	-0.87	1.06	2.79	-1.00	0.86	2.67	-0.95	0.81
5	3.02	-0.53	1.30	2.33	-1.47	0.64	2.97	-0.71	1.06	2.37	-1.04	0.76
6	2.84	-0.82	1.26	2.49	-0.92	0.63	2.95	-0.82	1.21	2.35	-1.05	0.81
7	2.33	-1.11	0.66	2.18	-1.07	0.72	2.59	-0.87	0.86	2.56	-0.76	0.88
8	1.70	-1.56	0.16	3.32	-1.07	1.21	2.65	-0.99	0.99	2.22	-1.64	0.59
9	2.81	-0.62	0.96	2.59	-1.22	0.97	2.95	-0.61	1.30	2.79	-0.80	0.91
10	2.22	-1.20	0.53	3.03	-0.87	1.19	3.01	-0.72	1.23	2.43	-1.35	0.50
11	2.83	-1.00	0.82	2.22	-1.49	0.60	2.94	-0.79	1.01	3.09	-1.05	0.87
12	3.04	-0.62	1.17	2.75	-1.13	0.74	3.05	-1.16	1.12	2.31	-1.71	0.40
13	3.39	-0.60	1.38	2.75	-1.33	0.76	3.67	-0.38	1.53	3.30	-1.15	0.84
14	4.01	-0.21	1.87	2.83	-1.13	0.82	3.30	-0.66	1.28	1.00	-3.03	-0.84
15	3.50	-0.62	1.70	3.00	-1.26	0.88	2.89	-1.40	0.64	2.65	-1.48	0.55
16	3.61	-0.98	1.36	3.28	-0.81	1.09	3.06	-0.75	0.90	1.96	-1.54	0.20
17	3.62	-0.95	1.36	3.08	-1.32	0.89	3.57	-0.45	1.41	2.91	-0.96	0.93
18	2.07	-2.17	0.02	3.21	-0.53	1.21	3.04	-1.08	1.23	2.19	-1.44	0.44
19	2.92	-1.37	0.81	2.88	-0.70	1.01	3.08	-0.47	1.20	2.11	-0.86	0.51
20	3.03	-0.86	1.05	2.27	-1.24	0.78	2.69	-0.91	1.17	2.36	-0.55	1.08
21	3.09	-0.74	1.15	2.91	-0.67	1.08	1.25	-1.41	-0.06	2.42	-0.59	1.05
22	2.40	-0.76	0.86	2.47	-0.30	1.14	2.04	-1.35	0.84	1.06	-1.93	-0.44
23	3.28	-0.66	1.35	2.54	-0.48	1.05	2.34	-0.55	1.27	1.98	-1.52	0.57
24	2.81	0.28	1.55	2.24	-0.18	1.17	2.62	-0.25	1.36	2.48	-0.73	0.82
25	2.78	0.14	1.61	2.85	-0.17	1.51	2.20	-0.46	0.94	2.68	-0.88	0.78
26	2.16	-0.24	0.98	2.44	-0.20	1.07	2.99	-0.33	1.31	2.76	-1.17	0.63
27	1.92	-1.16	0.49	2.68	-0.72	1.08	3.08	-0.48	1.17	2.51	-1.66	0.55
28	2.45	-1.15	0.67	2.96	-0.53	1.12	2.71	-1.25	0.78	3.33	-0.83	1.19
29	2.59	-0.70	0.91	3.72	-0.62	1.59	2.73	-1.23	0.70	3.59	-0.72	1.34
30	2.37	-1.21	0.62	3.43	-0.49	1.41	2.72	-1.37	0.48	3.29	-0.77	1.19
31	2.84	-0.91	0.95	---	---	---	2.13	-1.94	0.04	3.69	-0.79	1.50
MONTH	4.30	-2.17	1.11	3.72	-1.49	1.02	3.67	-1.94	1.00	3.69	-3.03	0.65

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.72	-0.30	1.67	2.41	-1.72	0.36	3.60	-0.90	1.29	3.48	-0.37	1.31
2	1.65	-2.01	-0.08	2.48	-1.49	0.62	2.76	-0.84	0.96	3.35	0.41	1.78
3	2.93	-0.85	1.07	3.43	-0.51	1.63	3.18	-1.03	1.06	3.30	-1.10	0.80
4	3.18	-0.19	1.49	2.41	-1.56	0.44	1.90	-1.01	0.32	2.03	-1.08	0.65
5	2.51	-0.87	0.92	1.77	-1.48	0.07	2.01	-0.87	0.52	2.31	-0.65	0.97
6	2.61	-0.73	0.83	2.07	-1.40	0.36	1.98	-0.96	0.47	2.54	-0.41	1.14
7	2.76	-0.78	1.12	1.58	-1.38	0.15	2.20	-0.91	0.74	2.33	-0.77	0.95
8	3.14	-0.44	1.25	2.12	-0.80	0.66	2.22	-1.06	0.74	2.85	-1.04	0.84
9	2.86	-0.78	0.98	2.43	-0.78	0.86	2.51	-0.73	0.96	3.01	-0.46	1.25
10	2.98	-0.76	1.06	2.50	-2.47	0.17	2.04	-1.63	0.17	2.78	-0.94	0.94
11	2.94	-1.70	0.82	1.41	-3.04	-0.88	2.69	-1.20	0.68	2.47	-1.60	0.22
12	3.49	-0.70	1.35	2.32	-1.27	0.43	2.69	-0.93	0.85	2.97	-1.22	0.71
13	2.36	-1.50	0.47	2.62	-1.14	0.75	2.67	-0.94	0.81	3.72	-0.52	1.39
14	2.48	-1.33	0.51	2.50	-0.98	0.80	2.84	-0.87	0.84	4.03	0.11	1.81
15	2.37	-0.99	0.72	2.47	-0.95	0.83	3.05	-0.43	1.27	3.25	-1.45	0.51
16	2.67	-0.64	0.98	2.47	-1.46	0.60	3.18	-0.30	1.30	2.73	-0.51	1.16
17	2.52	-0.75	1.05	2.67	-0.95	0.84	3.12	-0.27	1.29	3.11	-0.57	1.02
18	1.92	-1.38	0.43	2.88	-0.26	1.32	3.04	-0.27	1.31	3.06	-0.03	1.26
19	3.12	-0.01	1.53	2.93	-0.58	1.07	3.33	-0.06	1.53	3.31	-0.46	1.38
20	2.87	0.21	1.42	3.17	0.46	1.78	2.99	-0.28	1.13	2.50	-0.77	0.99
21	3.00	0.17	1.43	2.35	-0.39	1.05	2.69	-0.51	1.10	2.51	-1.10	0.88
22	2.87	-0.18	1.11	0.92	-2.05	-0.30	3.04	-0.43	1.44	2.94	-1.27	0.80
23	2.35	-0.75	0.79	1.71	-1.27	0.33	2.85	-1.04	1.05	3.29	-1.04	1.10
24	2.84	-0.82	1.01	1.50	-1.50	0.03	3.47	-0.80	1.32	3.40	-0.91	1.16
25	3.38	-0.73	1.32	2.35	-1.26	0.58	3.55	-0.42	1.69	3.79	-1.05	1.01
26	3.48	-0.69	1.47	3.36	-0.85	1.22	2.99	-1.32	0.88	3.76	-0.84	1.31
27	3.70	-0.49	1.45	3.62	-0.51	1.51	2.99	-1.21	0.88	3.59	-0.89	1.12
28	2.55	-2.06	0.00	3.42	-0.70	1.32	3.36	-1.00	1.25	3.45	---	---
29	---	---	---	3.55	-0.69	1.38	4.03	-0.71	1.46	---	---	---
30	---	---	---	3.95	-0.50	1.66	3.41	-0.49	1.41	---	-0.53	---
31	---	---	---	3.50	-0.64	1.29	---	---	---	3.33	-0.33	1.55
MONTH	3.72	-2.06	1.01	3.95	-3.04	0.74	4.03	-1.63	1.02	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2.87	-0.47	1.33	2.44	-0.86	0.90	2.81	-0.24	1.39	3.09	0.34	1.79
2	2.77	-0.55	0.98	2.07	-0.97	0.80	3.23	0.03	1.60	3.07	0.21	1.42
3	2.30	-0.55	1.03	2.37	-0.79	0.91	2.98	-0.32	1.36	3.57	-0.36	1.54
4	2.70	-0.77	1.02	2.54	-0.54	1.07	3.20	-0.32	1.24	3.37	-0.77	1.49
5	2.74	-0.58	1.29	1.99	-0.97	0.64	3.24	-0.46	1.23	3.27	-1.18	1.20
6	2.82	-0.73	0.97	2.59	-0.59	0.83	2.90	-1.46	0.66	3.39	-0.99	1.14
7	4.04	0.25	1.77	2.89	-0.75	0.83	3.25	-0.85	0.98	3.37	-0.96	1.18
8	3.67	0.04	1.83	3.13	-0.73	0.87	3.26	-0.94	1.03	3.37	-0.94	1.28
9	3.29	-0.61	1.24	3.19	-1.16	1.00	3.28	-0.92	1.15	3.31	-1.01	1.32
10	3.57	-0.78	1.03	3.17	-1.20	0.77	3.38	-0.74	1.26	3.74	-0.58	1.66
11	3.58	-0.43	1.37	3.12	-1.09	0.93	3.44	-0.69	1.35	3.49	-1.55	1.17
12	3.52	-0.40	1.35	3.29	-1.03	1.09	3.32	-0.61	1.38	2.99	-1.33	0.94
13	3.74	-0.08	1.69	3.45	-0.61	1.30	3.10	-0.72	1.33	3.12	-1.10	1.26
14	4.07	0.04	1.90	3.34	-0.67	1.32	3.16	-0.77	1.34	2.98	-0.72	1.14
15	4.34	0.24	2.10	3.35	-0.53	1.46	3.05	-0.68	1.33	2.90	-0.11	1.43
16	3.99	0.20	2.11	3.00	-0.75	1.39	2.85	-0.78	1.08	2.77	-0.42	1.19
17	3.51	-0.21	1.73	3.55	-0.31	1.71	3.13	-0.77	1.09	3.22	-0.60	1.10
18	3.11	-0.48	1.47	3.35	-0.56	1.52	3.39	-0.30	1.36	3.27	-0.35	1.34
19	2.94	-0.83	1.21	3.52	-0.47	1.40	3.50	-0.39	1.24	3.43	-0.40	1.44
20	3.01	-1.09	0.97	3.47	-0.72	1.30	3.18	-0.74	1.10	3.27	-0.45	1.47
21	3.14	-1.17	0.90	3.70	-0.39	1.46	3.32	-0.62	1.16	3.23	-0.25	1.47
22	3.04	-1.32	0.79	3.46	-0.45	1.36	3.29	-0.52	1.38	3.19	-0.54	1.54
23	3.32	-1.08	0.85	3.26	-0.80	1.06	3.29	-0.81	1.06	3.29	-0.86	1.30
24	3.25	-1.26	0.80	3.39	-1.14	0.92	3.31	-0.15	1.58	3.00	-0.81	1.23
25	3.33	-0.96	1.00	3.51	-0.44	1.42	3.30	-0.39	1.47	2.90	-0.64	1.29
26	3.56	-0.62	1.20	3.59	-0.29	1.49	3.06	-0.36	1.35	3.29	0.09	1.71
27	3.28	-0.70	1.08	3.46	-0.15	1.56	2.77	-0.48	1.17	3.62	0.21	2.00
28	2.99	-0.82	0.97	3.27	-0.23	1.57	3.17	-0.25	1.47	2.98	-0.41	1.28
29	2.75	-0.81	0.96	3.29	-0.14	1.62	2.86	-0.12	1.52	3.15	0.07	1.45
30	2.74	-0.67	1.10	3.08	-0.02	1.54	2.57	-0.26	1.12	2.96	0.09	1.42
31	---	---	---	2.68	-0.30	1.36	3.27	-0.12	1.51	---	---	---
MONTH	4.34	-1.32	1.27	3.70	-1.20	1.21	3.50	-1.46	1.27	3.74	-1.55	1.37

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1992 to current year.
SEDIMENT DATA: 2002 (e).
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1992 to current year.
WATER TEMPERATURE: May 1992 to current year.
INSTRUMENTATION.--Water-quality monitor provides 15-minute-interval readings.
REMARKS.--Suspended-sediment samples were collected with a point sampler from various locations and depths in the cross-section, indicated by a sampling method code of 50. Satellite and telephone temperature and specific conductance telemeter at station.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,900 µS/cm, Sept. 8, 2002; minimum, 96 µS/cm, Jan. 30, 1995.
WATER TEMPERATURE: Maximum, 28.5°C, July 30, Aug. 1, 1999; minimum, 0.0°C on many days during winter periods, except 2002.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 2,900 µS/cm, Sept. 8; minimum, 168 µS/cm, May 2.
WATER TEMPERATURE: Maximum, 28.0°C, Aug. 18, 19; minimum, 0.5°C, Feb. 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT					
02...	1524	20.0	50	97	22
02...	1556	40.0	50	93	39
09...	1108	50.0	50	93	53
09...	1125	40.0	50	90	22
NOV					
08...	1209	50.0	50	95	46
08...	1227	40.0	50	93	24
08...	1238	30.0	50	79	17
08...	1257	20.0	50	91	18
08...	1303	10.0	50	93	11
MAR					
21...	1027	50.0	50	91	27
21...	1113	50.0	50	91	28
21...	1133	10.0	50	93	22
21...	1229	50.0	50	93	27
28...	1117	50.0	50	91	40
28...	1128	20.0	50	91	18
28...	1551	42.0	50	91	71
28...	1743	42.0	50	90	72
28...	1750	10.0	50	89	45
APR					
10...	1030	45.0	50	91	45
10...	1043	15.0	50	97	22
17...	1052	45.0	50	91	35
17...	1100	10.0	50	92	21
MAY					
16...	1043	45.0	50	97	47
16...	1101	10.0	50	96	12
29...	1011	50.0	50	97	68
29...	1023	7.0	50	97	23
JUN					
07...	1307	50.0	50	96	10
07...	1316	7.0	50	93	7.0
19...	1021	53.0	50	97	26
19...	1050	10.0	50	95	7.0
JUL					
02...	1015	50.0	50	98	19
02...	1036	7.0	50	93	5.0
23...	0810	53.0	50	96	15
23...	0836	53.0	50	96	17
23...	0842	7.0	50	89	10
AUG					
15...	1111	50.0	50	98	28
15...	1135	25.0	50	98	17
15...	1139	5.0	50	95	9.0
21...	0754	50.0	50	98	12
21...	0820	25.0	50	98	11
21...	0825	7.0	50	95	9.0
SEP					
03...	1026	52.0	50	98	26
03...	1056	25.0	50	96	6.0
03...	1100	5.0	50	89	5.0

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	496	405	443	403	360	378	324	309	313	278	275	276
2	449	402	428	466	374	407	322	302	309	278	274	276
3	434	382	413	467	382	419	309	296	304	279	274	276
4	432	394	415	428	382	404	308	292	302	292	274	280
5	440	396	419	425	343	400	304	297	301	281	271	275
6	465	382	435	358	342	351	306	298	302	275	269	272
7	403	352	381	354	342	346	301	287	296	285	271	277
8	368	324	348	350	334	340	299	287	293	282	270	275
9	375	337	352	360	322	340	304	288	296	275	267	271
10	364	337	351	358	324	335	300	291	295	272	269	270
11	376	345	357	335	302	322	297	289	293	285	262	272
12	418	347	376	332	305	312	297	289	293	267	262	266
13	434	381	411	322	308	314	300	290	294	266	258	263
14	509	428	461	323	311	315	308	289	294	261	253	258
15	481	438	466	329	305	314	309	284	294	262	254	259
16	460	422	433	324	305	315	293	283	288	260	254	257
17	490	417	447	318	302	308	301	283	290	269	255	260
18	445	368	402	343	307	321	320	290	302	260	251	255
19	426	379	393	325	311	317	307	287	298	253	249	251
20	460	382	421	362	315	331	297	285	292	257	249	253
21	466	397	432	358	316	322	294	285	289	261	248	253
22	463	411	440	329	315	320	293	282	285	258	249	252
23	431	406	419	317	308	311	285	279	281	258	250	252
24	468	422	448	325	306	313	282	278	280	252	248	250
25	483	447	462	320	309	314	280	277	278	254	247	250
26	457	388	417	317	303	310	279	276	278	254	248	250
27	408	359	379	309	302	305	279	276	277	255	250	252
28	380	339	359	315	299	305	280	275	277	254	251	253
29	368	338	354	306	297	303	277	274	276	263	253	257
30	387	340	361	344	306	317	295	274	277	257	253	255
31	402	349	365	---	---	---	285	273	279	261	254	257
MONTH	509	324	406	467	297	334	324	273	291	292	247	262

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	263	255	259	278	273	276	249	234	240	177	169	172
2	272	254	262	277	274	276	259	241	252	175	168	171
3	285	258	262	278	275	276	273	251	262	199	171	181
4	264	259	262	276	266	272	282	266	273	240	181	193
5	265	259	262	273	259	268	279	268	274	223	185	198
6	267	260	263	267	254	261	281	267	273	263	186	203
7	268	262	265	270	253	259	275	264	270	232	192	206
8	266	260	263	256	250	252	286	265	272	235	191	206
9	267	263	265	255	248	252	289	279	284	202	191	198
10	282	263	267	258	248	251	299	275	283	216	191	201
11	290	272	279	266	254	259	282	269	274	218	196	206
12	287	276	280	261	256	258	273	262	267	239	199	206
13	300	277	285	259	256	258	276	256	264	212	200	206
14	305	279	297	258	252	256	276	250	260	240	206	218
15	309	289	301	254	250	253	255	239	249	265	228	244
16	319	295	309	257	251	253	250	233	243	254	235	242
17	324	307	316	259	251	253	249	228	236	251	227	235
18	338	311	330	264	251	256	270	228	234	246	221	226
19	335	331	333	256	250	252	268	227	236	246	224	231
20	336	328	333	253	246	250	239	228	233	274	229	245
21	339	327	334	253	247	249	255	215	228	293	242	256
22	333	325	329	253	241	249	227	205	215	264	238	250
23	326	311	317	251	233	242	212	192	203	275	222	244
24	311	300	306	242	235	240	217	192	198	270	221	238
25	300	292	297	255	239	247	202	189	194	261	208	230
26	294	286	290	247	242	245	203	183	193	282	209	228
27	287	274	284	256	239	243	196	182	192	255	200	225
28	277	273	276	243	234	242	191	176	185	227	199	213
29	---	---	---	240	229	237	184	175	179	231	199	210
30	---	---	---	240	230	235	177	172	175	221	198	206
31	---	---	---	237	233	235	---	---	---	221	198	207
MONTH	339	254	290	278	229	253	299	172	238	293	168	216

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	252	199	211	240	221	227	314	269	301	708	386	489
2	256	204	219	248	222	234	338	271	298	1250	344	583
3	227	204	213	239	224	231	320	259	297	1940	401	898
4	231	205	215	244	228	233	315	252	290	2060	832	1300
5	255	205	221	251	229	239	304	262	283	2080	826	1330
6	249	216	231	248	232	237	321	247	279	2430	869	1420
7	225	207	219	253	233	239	322	261	289	2740	968	1570
8	225	208	215	250	234	241	427	277	326	2900	1100	1740
9	240	207	217	246	234	239	621	302	414	2460	1250	1790
10	235	211	221	244	235	240	832	351	526	2810	1290	1920
11	228	213	222	249	236	241	1000	406	624	2360	1020	1810
12	238	215	227	247	238	242	744	477	569	2580	1000	1570
13	229	219	225	253	238	244	710	483	565	2500	1310	1870
14	230	219	225	257	245	252	731	484	582	2350	1310	1830
15	232	221	225	257	248	252	781	484	611	2490	1520	1930
16	234	222	230	264	249	256	784	479	581	2110	1360	1690
17	235	223	228	296	251	268	811	455	596	2090	1280	1630
18	233	222	228	286	259	273	750	540	621	2150	1210	1570
19	237	219	227	288	264	275	741	534	599	1910	1240	1490
20	241	222	230	288	259	276	657	513	571	2080	1250	1550
21	245	223	233	316	267	285	693	511	581	2060	1280	1550
22	256	227	238	322	274	292	869	534	614	2170	1140	1520
23	256	227	235	316	278	296	654	480	561	1750	1060	1360
24	243	223	232	311	262	289	873	520	638	1590	995	1180
25	234	220	228	314	280	298	881	473	626	1590	879	1150
26	230	220	225	312	280	299	766	479	630	1780	988	1200
27	229	218	224	344	285	307	663	465	553	1450	973	1140
28	230	220	224	342	288	311	862	459	590	1190	673	933
29	232	217	224	336	293	314	671	442	528	1030	543	734
30	234	217	226	311	288	303	591	359	446	697	503	587
31	---	---	---	323	273	305	498	353	420	---	---	---
MONTH	256	199	225	344	221	266	1000	247	497	2900	344	1380

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.0	21.0	21.0	15.5	15.0	15.0	10.5	10.0	10.5	4.0	4.0	4.0
2	21.0	20.5	20.5	15.5	15.0	15.5	10.0	9.5	10.0	4.0	3.5	4.0
3	21.0	20.5	20.5	15.5	15.0	15.5	10.0	9.5	9.5	4.0	3.5	3.5
4	21.0	20.5	21.0	15.5	15.0	15.0	10.0	9.5	9.5	4.0	3.5	3.5
5	21.0	20.5	21.0	15.0	14.0	14.5	10.0	9.5	9.5	3.5	3.5	3.5
6	21.0	20.0	20.5	14.5	14.0	14.0	10.0	9.5	9.5	3.5	3.0	3.5
7	20.5	19.5	20.0	14.0	14.0	14.0	9.5	9.5	9.5	3.5	3.0	3.0
8	19.5	19.0	19.5	14.0	13.5	14.0	9.5	9.0	9.0	3.0	2.5	3.0
9	19.5	19.0	19.0	14.0	13.5	13.5	9.0	9.0	9.0	3.0	3.0	3.0
10	19.0	19.0	19.0	13.5	13.0	13.0	9.0	8.5	9.0	3.5	2.5	3.0
11	19.0	19.0	19.0	13.0	12.5	13.0	9.0	8.5	8.5	3.0	2.5	3.0
12	19.0	19.0	19.0	12.5	12.0	12.5	9.0	8.5	8.5	3.0	2.0	2.5
13	19.5	19.0	19.0	12.5	12.0	12.0	8.5	8.5	8.5	3.0	2.0	2.5
14	19.0	19.0	19.0	12.0	12.0	12.0	9.0	8.5	8.5	2.5	1.5	2.0
15	19.5	18.5	19.0	12.0	11.5	12.0	8.5	8.0	8.5	2.5	2.0	2.5
16	19.0	18.5	18.5	12.5	12.0	12.0	8.0	7.5	8.0	2.5	2.0	2.0
17	18.5	18.0	18.5	12.0	11.5	11.5	8.0	7.5	8.0	2.5	2.0	2.0
18	18.0	17.5	18.0	11.5	11.0	11.5	8.0	7.5	7.5	2.0	1.5	2.0
19	18.0	17.5	17.5	11.5	11.0	11.5	7.5	7.5	7.5	2.0	1.5	1.5
20	18.0	17.5	17.5	11.5	10.5	11.0	7.5	7.0	7.5	2.0	1.5	1.5
21	17.5	17.0	17.5	11.0	10.5	11.0	7.0	6.5	7.0	1.5	1.5	1.5
22	17.5	17.5	17.5	11.0	10.5	10.5	6.5	6.5	6.5	1.5	1.0	1.0
23	17.5	17.0	17.5	10.5	10.5	10.5	6.5	6.5	6.5	2.0	1.0	1.5
24	17.5	17.5	17.5	10.5	10.5	10.5	6.5	6.5	6.5	2.0	1.5	1.5
25	17.5	17.0	17.5	11.0	10.5	10.5	6.5	6.0	6.0	2.0	1.5	1.5
26	17.0	16.5	17.0	11.0	10.5	10.5	6.0	6.0	6.0	2.0	1.0	1.5
27	16.5	16.0	16.5	11.0	10.5	10.5	6.0	5.5	5.5	2.0	1.0	1.5
28	16.0	15.5	16.0	11.0	10.0	10.5	5.5	5.0	5.5	2.0	1.5	1.5
29	16.0	15.5	15.5	10.5	10.0	10.5	5.5	5.0	5.0	2.0	1.5	1.5
30	16.0	15.5	15.5	10.5	10.0	10.5	5.0	4.5	4.5	2.0	1.5	1.5
31	15.5	15.0	15.5	---	---	---	4.5	4.0	4.5	1.5	1.5	1.5
MONTH	21.0	15.0	18.4	15.5	10.0	12.3	10.5	4.0	7.7	4.0	1.0	2.3

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.5	1.0	1.5	2.5	2.0	2.5	5.5	5.0	5.5	13.5	12.5	13.0
2	1.0	1.0	1.0	2.5	2.5	2.5	5.5	5.0	5.5	13.0	12.0	12.5
3	1.0	1.0	1.0	3.0	2.5	3.0	6.0	5.5	5.5	12.5	12.0	12.5
4	1.5	1.0	1.0	3.5	2.5	3.0	6.0	5.5	5.5	12.5	12.0	12.5
5	1.0	0.5	1.0	3.0	2.5	3.0	6.0	5.5	5.5	13.0	12.0	12.5
6	1.0	1.0	1.0	3.5	3.0	3.0	6.5	5.5	6.0	13.5	12.5	13.0
7	1.5	1.0	1.0	3.5	3.0	3.5	6.5	5.5	6.0	14.0	12.5	13.0
8	1.5	1.0	1.0	4.0	3.5	3.5	6.5	6.0	6.0	13.5	12.5	13.0
9	1.5	1.0	1.5	4.5	3.5	4.0	7.0	6.0	6.5	13.0	12.5	13.0
10	1.5	1.0	1.5	5.0	4.0	4.5	8.0	7.0	7.5	14.0	12.5	13.0
11	2.0	1.0	1.5	4.5	4.0	4.0	8.5	7.0	7.5	14.5	12.5	13.0
12	1.5	1.0	1.0	4.5	4.0	4.0	8.0	7.5	8.0	13.0	13.0	13.0
13	1.5	1.0	1.0	4.5	4.0	4.5	9.0	8.0	8.5	13.0	13.0	13.0
14	1.5	1.0	1.0	5.0	4.5	4.5	9.5	8.5	9.0	13.5	13.0	13.0
15	1.5	1.0	1.0	5.5	4.5	5.0	10.5	9.0	9.5	14.5	13.0	13.5
16	1.5	1.5	1.5	5.5	5.0	5.0	11.0	9.5	10.0	14.0	13.5	13.5
17	1.5	1.5	1.5	5.0	4.5	5.0	12.0	10.0	11.0	14.0	13.5	13.5
18	1.5	1.0	1.0	5.0	5.0	5.0	12.5	11.0	11.5	14.0	12.5	13.5
19	1.5	1.0	1.5	5.0	5.0	5.0	13.5	12.0	12.5	14.0	13.0	13.5
20	1.5	1.0	1.5	5.0	5.0	5.0	14.0	13.0	13.5	13.5	13.0	13.5
21	2.0	1.5	1.5	5.5	4.5	5.0	14.0	13.5	13.5	13.5	13.0	13.0
22	1.5	1.5	1.5	5.0	4.5	4.5	14.0	13.5	13.5	13.5	12.5	13.0
23	2.0	1.5	1.5	5.0	4.5	4.5	14.0	13.5	13.5	13.5	12.5	13.0
24	2.0	1.5	1.5	5.5	4.5	5.0	14.5	13.0	14.0	14.5	12.5	13.5
25	2.0	1.5	2.0	5.0	4.5	5.0	14.0	13.0	13.5	14.5	13.0	13.5
26	2.5	1.5	2.0	5.0	4.5	5.0	13.5	13.0	13.5	14.0	13.0	13.5
27	2.5	2.0	2.0	5.5	4.5	5.0	14.0	13.0	13.5	14.5	13.5	13.5
28	2.5	2.0	2.0	5.5	4.5	5.0	13.5	13.0	13.5	14.0	13.5	14.0
29	---	---	---	5.5	4.5	5.0	13.5	13.0	13.0	14.5	14.0	14.0
30	---	---	---	6.0	5.0	5.0	13.0	12.5	13.0	15.0	14.0	14.5
31	---	---	---	5.5	5.0	5.0	---	---	---	15.5	14.5	15.0
MONTH	2.5	0.5	1.4	6.0	2.0	4.3	14.5	5.0	9.8	15.5	12.0	13.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.0	15.0	15.5	24.5	23.5	24.0	27.0	26.5	26.5	25.0	24.5	24.5
2	16.5	15.5	16.0	25.0	24.0	24.5	27.0	26.5	26.5	24.5	24.0	24.5
3	16.5	16.0	16.5	25.5	24.5	25.0	27.0	26.5	27.0	25.0	24.0	24.5
4	17.0	16.5	16.5	26.0	25.0	25.5	27.5	26.5	27.0	25.5	24.5	24.5
5	17.5	16.5	17.0	25.5	25.0	25.5	27.5	27.0	27.0	24.5	24.0	24.5
6	18.0	17.5	17.5	25.5	25.0	25.0	27.0	26.5	26.5	24.5	24.0	24.5
7	18.5	17.0	18.0	25.5	25.0	25.5	26.5	26.0	26.5	25.0	24.0	24.5
8	20.0	18.0	19.0	26.0	25.0	25.5	26.5	26.0	26.0	24.5	24.0	24.5
9	20.0	18.5	19.5	26.0	25.5	25.5	26.5	26.0	26.0	24.5	24.0	24.5
10	20.5	19.0	19.5	26.0	25.5	25.5	26.5	26.0	26.5	25.0	24.5	24.5
11	21.0	19.5	20.0	25.5	25.0	25.5	26.5	26.0	26.5	24.5	24.0	24.5
12	20.5	20.0	20.0	26.0	25.0	25.5	27.0	26.5	26.5	24.5	23.5	24.0
13	20.5	20.0	20.0	26.0	25.0	25.5	27.0	26.5	26.5	24.0	23.5	24.0
14	20.0	20.0	20.0	26.0	25.5	25.5	27.0	26.5	27.0	24.0	23.5	24.0
15	20.0	19.5	20.0	26.0	25.5	25.5	27.5	26.5	27.0	24.0	23.5	24.0
16	20.0	19.5	20.0	26.0	25.5	25.5	27.0	27.0	27.0	24.0	23.5	24.0
17	20.5	20.0	20.0	26.0	25.5	26.0	27.5	27.0	27.0	24.0	23.5	24.0
18	20.5	20.0	20.5	26.5	26.0	26.0	28.0	27.0	27.5	24.0	23.5	24.0
19	21.0	20.5	20.5	26.5	26.0	26.0	28.0	27.0	27.5	24.0	23.5	23.5
20	21.5	20.5	21.0	26.5	26.0	26.0	27.5	26.5	27.0	24.0	23.5	23.5
21	21.5	21.0	21.0	26.5	26.0	26.5	27.5	27.0	27.0	24.0	23.5	23.5
22	22.5	21.0	21.5	26.5	26.0	26.5	27.0	27.0	27.0	24.0	23.5	23.5
23	22.0	21.0	21.5	27.0	26.0	26.5	27.0	26.5	26.5	23.5	23.0	23.5
24	22.5	21.5	22.0	27.0	26.0	26.5	27.0	26.0	26.5	23.5	23.0	23.0
25	23.0	21.5	22.0	26.5	26.0	26.5	26.5	26.0	26.5	23.5	23.0	23.0
26	23.0	22.0	22.5	26.0	26.0	26.0	26.5	26.0	26.5	23.0	22.5	23.0
27	23.0	22.5	22.5	26.0	25.5	26.0	26.5	26.0	26.0	23.0	22.0	22.5
28	23.5	22.5	23.0	26.0	26.0	26.0	26.0	25.5	26.0	22.5	22.0	22.5
29	24.0	23.0	23.5	26.5	26.0	26.0	26.0	24.0	25.0	22.5	22.0	22.0
30	24.0	23.0	23.5	26.5	26.0	26.5	25.0	25.0	25.0	22.0	22.0	22.0
31	---	---	---	27.0	26.0	26.5	25.0	24.5	25.0	---	---	---
MONTH	24.0	15.0	20.0	27.0	23.5	25.7	28.0	24.0	26.5	25.5	22.0	23.8

01372500 WAPPINGER CREEK NEAR WAPPINGERS FALLS, NY

LOCATION.--Lat 41°39'11", long 73°52'23", Dutchess County, Hydrologic Unit 02020008, on left bank 700 ft downstream from Red Oak Mill dam, and 4.5 mi northeast of village of Wappingers Falls.
DRAINAGE AREA.--181 mi^2.
PERIOD OF RECORD.--May 1903 to June 1905 (monthly discharges and daily gage heights only, published in WSP 97, 125, 166, and 202), August 1928 to current year.
REVISED RECORDS.--WSP 741: 1932. WSP 1902: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 114.37 ft above NGVD of 1929 (levels by Corps of Engineers). May 1903 to June 1905 staff gage at site 2.5 mi downstream at different datum. Aug. 7, 1928 to Sept. 25, 1931, water-stage recorder at site 2 mi downstream at different datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft^3/s, Aug. 19, 1955, gage height, 19.60 ft, from floodmarks in gage shelter, from rating curve extended above 6,000 ft^3/s on basis of flow-over-dam and contracted-opening measurement at gage height 18.02 ft and contracted-opening and flow-over-road measurement at gage height 19.60 ft; minimum discharge, 0.90 ft^3/s, Sept. 20, 21, 1964, gage height, 2.05 ft; minimum gage height, 1.96 ft, Sept. 9, 1995.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	1515	*1,440	*5.85				

Minimum discharge, 6.6 ft^3/s, Sept. 14, 15, gage height, 2.24 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	13	19	e20	63	40	148	379	417	117	20	25
2	22	13	19	e19	73	38	146	351	269	e108	21	21
3	22	16	19	e18	64	56	147	366	190	95	33	22
4	19	17	16	e18	61	72	208	286	157	86	28	25
5	17	16	16	e19	53	63	187	239	206	75	27	24
6	16	14	17	e19	51	54	157	207	627	68	22	23
7	16	13	17	e20	47	51	135	184	1230	62	20	16
8	15	13	16	20	43	49	123	168	887	57	18	14
9	13	13	20	23	42	47	118	157	598	61	16	13
10	14	13	20	23	41	50	126	153	470	59	15	11
11	15	14	19	26	59	56	115	135	382	51	14	9.6
12	14	14	19	31	68	52	105	133	326	44	13	8.6
13	14	13	21	33	62	49	115	283	329	41	11	7.2
14	14	13	24	33	46	49	120	901	304	38	11	6.8
15	17	13	31	32	49	48	217	705	378	36	10	6.9
16	16	15	31	30	47	51	222	502	380	35	9.1	25
17	17	15	29	32	49	59	174	395	330	31	8.5	44
18	16	15	43	31	55	62	145	623	262	28	9.4	28
19	15	17	58	23	52	68	132	787	220	30	8.1	21
20	15	17	52	e24	48	78	138	581	189	29	11	17
21	16	17	44	e26	56	121	124	475	165	27	10	14
22	16	16	38	e28	65	128	113	404	149	25	11	13
23	14	16	33	29	61	118	109	347	139	33	10	13
24	14	16	51	37	54	108	103	299	137	40	10	10
25	14	16	60	48	48	97	105	261	123	34	11	9.6
26	13	24	51	54	46	94	169	230	127	27	11	11
27	13	25	38	54	46	176	161	215	188	24	10	23
28	14	21	e34	53	43	201	206	205	250	23	8.8	85
29	16	19	e28	52	---	163	470	219	177	28	22	66
30	13	18	e24	55	---	154	451	196	138	24	45	41
31	12	---	e22	58	---	144	---	233	---	20	35	---
TOTAL	486	475	929	988	1492	2596	4989	10619	9744	1456	508.9	653.7
MEAN	15.7	15.8	30.0	31.9	53.3	83.7	166	343	325	47.0	16.4	21.8
MAX	24	25	60	58	73	201	470	901	1230	117	45	85
MIN	12	13	16	18	41	38	103	133	123	20	8.1	6.8
CFSM	0.09	0.09	0.17	0.18	0.29	0.46	0.92	1.89	1.79	0.26	0.09	0.12
IN.	0.10	0.10	0.19	0.20	0.31	0.53	1.03	2.18	2.00	0.30	0.10	0.13

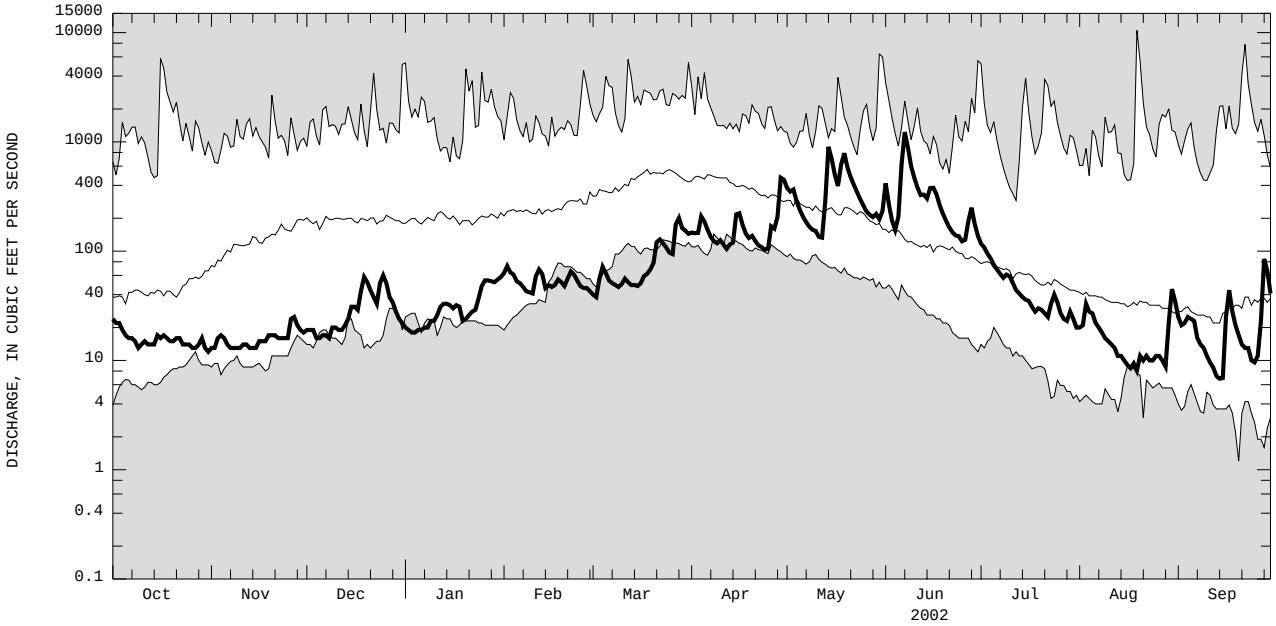
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

MEAN	118	192	267	301	334	563	495	312	193	117	81.9	94.8
MAX	882	696	949	932	786	1195	1112	1204	813	884	845	890
(WY)	1956	1956	1997	1979	1976	1936	1983	1989	1972	1975	1955	1938
MIN	7.42	10.5	23.5	24.0	53.3	83.7	140	82.2	30.7	10.8	7.82	4.29
(WY)	1965	1965	1965	1981	2002	2002	1985	1941	1965	1965	1966	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1928 - 2002	
ANNUAL TOTAL	63276.3		34936.6			
ANNUAL MEAN	173		95.7		255	
HIGHEST ANNUAL MEAN					438	1973
LOWEST ANNUAL MEAN					65.7	1965
HIGHEST DAILY MEAN	2070	Mar 31	1230	Jun 7	10500	Aug 19 1955
LOWEST DAILY MEAN	5.9	Sep 6	6.8	Sep 14	1.2	Sep 20 1964
ANNUAL SEVEN-DAY MINIMUM	6.5	Sep 3	9.0	Sep 9	2.4	Sep 24 1964
ANNUAL RUNOFF (CFSM)	0.96		0.53		1.41	
ANNUAL RUNOFF (INCHES)	13.00		7.18		19.12	
10 PERCENT EXCEEDS	422		235		600	
50 PERCENT EXCEEDS	70		38		149	
90 PERCENT EXCEEDS	13		13		22	

e Estimated

01372500 WAPPINGER CREEK NEAR WAPPINGERS FALLS, NY--Continued



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.

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY

LOCATION.--Lat 41°23'10", long 73°57'20", Orange County, Hydrologic Unit 02020008, on right bank at South Dock at West Point. Water-quality sampling site at stage station.
DRAINAGE AREA.--12,598 mi^2.

ELEVATION RECORDS

PERIOD OF RECORD.--October 1991 to current year. Records for June 1989 to September 1991 are unpublished and available in files of the Geological Survey.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.
REMARKS.--Satellite and telephone gage-height, temperature, and specific conductance telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.79 ft, Dec. 11, 1992; minimum, -4.26 ft, Mar. 14, 1993.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.06 ft, June 15; minimum, -3.14 ft, Mar. 11.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.90	0.62	2.37	2.54	-0.82	0.95	2.91	-0.62	1.03	2.22	-1.81	0.13
2	3.35	-0.09	1.69	2.73	-0.91	0.98	2.69	-1.14	0.70	1.89	-2.03	-0.09
3	2.92	-0.42	1.36	2.58	-0.79	0.86	2.76	-1.09	0.87	2.22	-1.62	0.32
4	2.90	-0.43	1.30	2.78	-0.99	0.93	2.47	-1.08	0.67	2.42	-1.02	0.65
5	2.77	-0.57	1.21	2.18	-1.31	0.50	2.65	-0.88	0.86	2.18	-1.10	0.60
6	2.92	-0.76	1.15	2.27	-0.98	0.54	2.74	-0.77	0.99	2.19	-0.88	0.72
7	2.22	-0.99	0.58	2.07	-1.09	0.58	2.39	-0.98	0.72	2.34	-1.21	0.86
8	1.52	-1.49	0.12	2.97	-0.67	1.07	2.46	-0.91	0.90	2.04	-1.62	0.54
9	2.59	-0.70	0.87	2.45	-1.23	0.85	2.80	-0.61	1.24	2.46	-0.94	0.74
10	1.97	-1.22	0.46	2.75	-0.92	1.07	2.77	-0.80	1.12	2.12	-1.49	0.40
11	2.60	-0.93	0.78	2.08	-1.47	0.52	2.72	-0.88	0.91	2.79	-1.21	0.76
12	2.83	-0.59	1.14	2.49	-1.17	0.65	2.83	-1.24	1.07	2.10	-1.79	0.31
13	3.13	-0.55	1.34	2.44	-1.37	0.66	3.41	-0.44	1.42	3.09	-1.11	0.69
14	3.81	-0.20	1.85	2.47	-1.23	0.66	3.02	-0.67	1.18	1.14	-3.06	-0.91
15	3.44	-0.56	1.65	2.65	-1.36	0.74	2.47	-1.43	0.53	2.35	-1.58	0.45
16	3.45	-0.88	1.36	2.94	-0.90	0.94	2.86	-0.78	0.80	1.84	-1.65	0.09
17	3.26	-0.74	1.25	2.73	-1.33	0.79	3.25	-0.64	1.29	2.76	-0.93	0.77
18	1.87	-2.12	0.00	2.89	-0.69	1.02	2.84	-0.97	1.08	2.09	-1.45	0.32
19	2.66	-1.34	0.74	2.53	-0.89	0.80	2.76	-0.64	1.08	1.91	-1.04	0.44
20	2.76	-0.88	0.94	2.07	-1.26	0.63	2.48	-0.91	0.96	2.36	-0.65	0.97
21	2.81	-0.74	1.06	2.68	-0.28	0.95	1.22	-1.54	-0.16	2.41	-0.71	0.93
22	2.34	-0.69	0.81	2.34	-0.48	1.00	2.02	-0.89	0.74	1.06	-1.98	-0.53
23	3.00	-0.12	1.31	2.36	-0.46	0.96	2.22	-0.51	1.15	1.71	-1.64	0.46
24	2.65	0.08	1.48	2.19	-0.27	1.09	2.50	-0.52	1.26	2.35	-0.91	0.72
25	2.71	0.05	1.52	2.73	-0.36	1.36	1.98	-0.66	0.84	2.45	-1.02	0.70
26	2.00	-0.45	0.90	2.33	-0.38	0.97	2.74	-0.55	1.20	2.45	-1.36	0.52
27	1.97	-1.19	0.51	2.44	-0.87	0.99	2.83	-0.53	1.03	2.33	-1.79	0.49
28	2.30	-1.15	0.70	2.73	-0.71	1.01	2.41	-1.38	0.67	3.01	-0.96	1.08
29	2.39	-0.75	0.89	3.36	-0.72	1.50	2.31	-1.34	0.58	3.30	-0.80	1.24
30	2.21	-1.11	0.68	3.10	-0.60	1.23	2.34	-1.41	0.34	3.21	-0.78	1.12
31	2.64	-0.85	0.97	---	---	---	1.79	-2.05	-0.11	3.46	-0.88	1.43
MONTH	3.90	-2.12	1.06	3.36	-1.47	0.89	3.41	-2.05	0.87	3.46	-3.06	0.55

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.57	-0.30	1.50	2.16	-1.81	0.25	3.39	-0.94	1.16	3.18	-0.50	1.14
2	1.78	-2.02	-0.14	2.32	-1.54	0.52	2.55	-0.94	0.80	3.02	0.11	1.59
3	2.65	-0.85	0.92	3.27	-0.58	1.47	2.97	-1.06	0.92	3.08	-1.23	0.67
4	3.03	-0.48	1.37	2.36	-1.58	0.32	1.97	-0.97	0.29	1.72	-1.03	0.49
5	2.35	-1.01	0.87	1.63	-1.57	0.00	1.87	-0.81	0.49	2.16	-0.80	0.82
6	2.56	-0.83	0.75	1.89	-1.30	0.25	1.98	-0.89	0.47	2.24	-0.60	0.97
7	2.57	-0.94	1.06	1.49	-1.40	0.15	2.05	-1.03	0.72	2.07	-0.89	0.83
8	3.01	-0.46	1.19	1.97	-0.93	0.61	2.14	-1.17	0.67	2.48	-1.15	0.77
9	2.75	-0.89	0.95	2.10	-0.97	0.74	2.37	-0.78	0.86	2.76	-0.63	1.13
10	2.77	-0.83	1.00	2.54	-2.02	0.10	1.80	-1.84	0.11	2.40	-1.10	0.80
11	3.12	-1.68	0.76	1.24	-3.14	-0.88	2.49	-1.36	0.54	2.14	-1.74	0.12
12	3.13	-0.90	1.22	2.11	-1.45	0.36	2.43	-1.19	0.68	2.78	-1.28	0.58
13	2.26	-1.49	0.39	2.45	-1.21	0.72	2.55	-1.16	0.62	3.70	-0.65	1.28
14	2.21	-1.44	0.42	2.37	-1.13	0.73	2.61	-1.17	0.64	3.68	0.02	1.54
15	2.15	-1.13	0.58	2.33	-1.08	0.71	2.67	-0.65	1.01	2.91	-1.48	0.36
16	2.49	-0.81	0.89	2.34	-1.48	0.53	2.81	-0.48	1.05	2.29	-0.59	0.91
17	2.36	-0.75	0.95	2.49	-1.07	0.80	2.77	-0.37	1.06	2.81	-0.66	0.84
18	1.76	-1.38	0.48	2.83	-0.31	1.25	2.74	-0.37	1.09	2.82	0.12	1.19
19	3.02	-0.16	1.45	2.76	-0.70	0.98	3.06	-0.24	1.26	3.09	-0.49	1.18
20	2.78	0.08	1.33	3.14	0.31	1.68	2.87	-0.39	0.97	2.25	-0.87	0.85
21	2.90	-0.06	1.36	2.41	-0.49	1.00	2.57	-0.57	0.99	2.34	-1.12	0.76
22	2.72	-0.59	1.03	1.16	-1.85	-0.31	2.84	-0.48	1.38	2.62	-1.39	0.70
23	2.20	-0.85	0.74	1.56	-1.32	0.22	2.63	-1.14	0.97	2.92	-1.19	0.95
24	2.65	-0.97	0.96	1.47	-1.58	0.01	3.20	-0.97	1.18	3.10	-1.08	1.04
25	3.14	-0.95	1.20	2.18	-1.34	0.60	3.45	-0.62	1.54	3.35	-1.21	0.92
26	3.33	-0.85	1.36	3.36	-0.91	1.24	2.85	-1.38	0.79	3.30	-0.99	1.16
27	3.49	-0.57	1.32	3.45	-0.58	1.38	2.85	-1.32	0.74	3.21	-1.04	0.98
28	2.23	-2.09	-0.08	3.29	-0.75	1.21	3.58	-0.96	1.15	3.19	-1.04	0.85
29	---	---	---	3.66	-0.77	1.23	3.68	-0.81	1.29	2.99	-0.74	0.98
30	---	---	---	3.66	-0.58	1.50	3.09	-0.57	1.22	3.09	-0.54	1.15
31	---	---	---	3.31	-0.75	1.16	---	---	---	3.02	-0.41	1.34
MONTH	3.57	-2.09	0.92	3.66	-3.14	0.66	3.68	-1.84	0.89	3.70	-1.74	0.93

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2.79	-0.50	1.16	2.24	-0.99	0.69	2.46	-0.35	1.26	2.93	0.37	1.70
2	2.79	-0.57	0.88	1.87	-1.09	0.61	2.96	-0.13	1.46	2.96	0.03	1.39
3	2.09	-0.58	0.92	2.03	-0.88	0.75	2.67	-0.40	1.24	3.30	-0.18	1.46
4	2.25	-0.95	0.91	2.26	-0.69	0.92	2.82	-0.54	1.11	3.13	-0.50	1.42
5	2.39	-0.71	1.12	1.70	-1.01	0.53	2.93	-0.71	1.09	2.97	-0.76	1.15
6	2.37	-0.79	0.86	2.31	-0.77	0.68	2.49	-1.37	0.65	3.01	-0.81	1.09
7	3.67	0.14	1.66	2.57	-0.98	0.68	2.86	-0.86	0.91	2.98	-0.82	1.09
8	3.32	-0.22	1.63	2.83	-0.98	0.73	2.84	-0.96	0.93	2.93	-0.74	1.12
9	2.92	-0.81	1.06	2.84	-1.09	0.87	2.97	-0.96	1.02	2.94	-0.76	1.15
10	3.14	-0.93	0.90	2.75	-1.23	0.69	3.00	-0.71	1.09	3.34	-0.56	1.48
11	3.18	-0.67	1.17	2.92	-1.02	0.80	3.03	-0.67	1.14	3.18	-1.26	1.06
12	3.33	-0.42	1.19	2.97	-0.83	0.93	2.96	-0.60	1.18	2.63	-1.11	0.77
13	3.46	-0.27	1.51	3.04	-0.62	1.10	2.78	-0.70	1.13	2.67	-0.77	1.08
14	3.71	0.00	1.74	3.01	-0.67	1.11	2.69	-0.77	1.13	2.49	-0.90	0.95
15	4.06	0.07	1.94	3.02	-0.55	1.23	2.64	-0.74	1.14	2.63	-0.12	1.24
16	3.70	0.07	1.88	2.76	-0.76	1.21	2.49	-0.87	0.95	2.45	-0.34	1.07
17	3.29	-0.30	1.54	3.21	-0.42	1.52	2.71	-0.88	0.98	2.86	-0.60	0.99
18	2.82	-0.56	1.31	2.98	-0.67	1.36	3.05	-0.47	1.25	2.92	-0.29	1.23
19	2.61	-0.92	1.06	3.22	-0.61	1.28	3.15	-0.53	1.17	3.05	-0.34	1.29
20	2.58	-1.24	0.82	3.03	-0.84	1.17	2.84	-0.76	1.06	2.91	-0.28	1.30
21	2.70	-1.35	0.73	3.21	-0.64	1.23	2.95	-0.66	1.05	2.74	-0.29	1.30
22	2.64	-1.38	0.65	2.98	-0.77	1.12	2.97	-0.38	1.23	3.01	-0.44	1.34
23	2.89	-1.25	0.70	2.48	-0.96	0.84	2.94	-0.74	0.98	2.98	-0.65	1.19
24	2.75	-1.37	0.66	3.12	-1.11	---	3.07	-0.13	1.48	2.66	-0.65	1.09
25	3.14	-0.96	0.84	3.30	-0.40	1.25	3.07	-0.30	1.35	2.56	-0.62	1.15
26	3.14	-0.79	0.99	3.31	-0.29	1.34	2.86	-0.38	1.21	3.03	0.06	1.54
27	2.89	-0.74	0.87	3.15	-0.18	1.38	2.56	-0.46	1.06	3.27	0.35	1.84
28	2.64	-0.79	0.75	2.95	-0.30	1.38	2.88	-0.29	1.37	2.94	-0.37	1.14
29	2.40	-0.86	0.76	3.02	-0.13	1.44	2.76	-0.03	1.50	2.90	0.05	1.30
30	2.44	-0.77	0.87	2.85	-0.10	1.40	2.38	-0.34	1.02	2.62	-0.13	1.24
31	---	---	---	2.44	-0.37	1.23	2.98	-0.25	1.43	---	---	---
MONTH	4.06	-1.38	1.10	3.31	-1.23	---	3.15	-1.37	1.15	3.34	-1.26	1.24

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1991 to current year. Records for February 1990 to September 1991 are unpublished and available in files of the Geological Survey.
WATER TEMPERATURE: October 1991 to current year. Records for February 1990 to September 1991 are unpublished and available in files of the Geological Survey.
INSTRUMENTATION.--Water-quality monitor provides 15-minute-interval readings.
REMARKS.--Satellite and telephone temperature and specific conductance telemeter at station. Interruptions of record were due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 12,600 µS/cm, Sept. 23, 1995; minimum, 102 µS/cm, May 30, 1996.
WATER TEMPERATURE: Maximum, 28.5°C, Aug. 1, 1999; minimum, 0.0°C on many days during winter periods, except 1998, 2002.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 12,200 µS/cm, Sept. 6; minimum, 163 µS/cm, May 5, 6, 7.
WATER TEMPERATURE: Maximum, 28.0°C on several days during August; minimum, 1.0°C, Feb. 18.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7620	5270	6540	8390	5720	7110	8460	5580	7020	5120	2670	3800
2	7130	4610	6010	8580	5760	7140	7960	4780	6180	4730	2450	3480
3	7620	4860	6150	7950	5400	6700	7800	4470	5970	4910	2590	3610
4	8080	5290	6480	7940	4930	6360	6730	4150	5430	4610	2650	3640
5	8000	4980	6410	6640	4570	5800	6340	4060	5210	4360	2570	3480
6	7420	4980	6500	6700	4580	5550	6050	4020	5050	4160	2480	3380
7	7050	4790	5910	6020	4630	5330	5300	3450	4450	4110	2630	3160
8	6380	4260	5510	7210	4290	5690	5280	3290	4290	4120	2110	3110
9	7330	4620	5970	6540	4370	5750	5630	3430	4500	4430	2440	3330
10	7080	4420	5790	6590	4280	5440	5590	3200	4320	4520	2260	3200
11	7500	4690	5920	6100	3620	4900	5220	2980	3960	5020	2320	3470
12	7500	5030	6270	6390	3880	4980	5200	2730	3790	4070	1910	3020
13	7980	5140	6420	6310	3750	4910	5520	3010	4040	4480	2260	3310
14	8290	5400	6750	5980	3770	4810	4900	2750	3660	3020	1220	2190
15	8480	4850	6480	5920	3360	4500	4250	2230	3080	4370	1800	2950
16	7090	4560	5930	5780	3480	4550	4310	2160	3000	3410	1800	2550
17	7450	4720	6020	5640	3180	4240	4620	2110	3170	3960	2140	3030
18	5800	3760	4750	5630	3330	4400	3920	1680	2850	3310	1900	2610
19	6600	4000	5140	5260	3290	4180	3480	1670	2440	3500	1880	2600
20	6450	4210	5280	4640	3160	3940	2770	1460	2170	4100	2370	3030
21	6770	4040	5290	5020	2880	3840	2000	1070	1520	4730	1980	3410
22	5670	3710	4850	4680	3330	3970	2700	933	1860	3880	1790	2670
23	6370	3910	5000	5060	3260	3930	3060	1300	2050	5570	2410	4260
24	6110	4280	5280	5540	3490	4230	3400	1800	2410	6470	3320	4820
25	6600	4600	5580	6580	3300	5050	3520	1470	2350	6350	3150	4720
26	6600	3950	5080	6920	3630	4970	4910	1870	3330	6840	3820	5120
27	6580	3810	5120	7500	3380	5490	5500	2420	3860	6720	3530	5120
28	7300	4520	5820	8050	4670	6120	5780	2170	4110	7310	4290	5600
29	7740	5420	6580	9340	4670	7080	6120	2950	4480	7050	3960	5380
30	8070	5250	6610	8850	5330	7200	5830	2940	4310	6160	3510	4840
31	8520	5860	7140	---	---	---	5180	2610	3860	6030	3290	4550
MONTH	8520	3710	5890	9340	2880	5270	8460	933	3830	7310	1220	3660

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5520	2920	4300	1520	582	951	231	223	228	216	186	200
2	3240	1730	2610	1190	536	788	230	221	224	204	181	191
3	3590	1730	2750	1650	515	971	226	220	222	188	169	178
4	3410	1660	2410	733	333	492	224	220	222	176	167	170
5	2230	1190	1680	456	301	356	228	222	225	170	163	167
6	2180	964	1400	394	301	326	233	226	230	168	163	165
7	2190	849	1330	326	280	295	237	230	234	167	163	164
8	1980	800	1280	319	280	291	242	232	238	168	164	165
9	1670	678	1010	297	275	285	245	237	242	168	165	167
10	1630	628	965	304	260	277	256	243	250	171	166	169
11	1480	377	794	265	261	262	256	248	253	175	169	172
12	1480	424	668	269	261	263	259	253	256	252	173	178
13	492	275	361	272	258	262	260	256	257	323	178	200
14	368	265	294	265	254	259	260	254	256	319	179	200
15	317	266	282	261	251	255	259	249	253	202	179	189
16	288	264	273	259	246	251	253	241	247	208	189	199
17	282	262	269	252	246	249	245	228	237	221	203	213
18	266	262	264	253	247	249	233	218	225	222	214	220
19	279	264	267	250	246	248	224	211	218	223	217	221
20	391	266	277	251	246	248	215	208	211	218	210	214
21	1180	268	559	248	244	246	211	208	209	213	208	210
22	2240	442	1010	335	244	256	211	209	210	214	208	209
23	2770	560	1340	920	248	497	213	210	211	214	209	212
24	3880	877	2170	994	250	505	237	211	213	218	211	215
25	4450	1500	2910	1210	346	718	299	214	226	222	214	218
26	4700	1590	3090	1390	378	764	259	216	221	223	215	220
27	4120	1300	2660	1210	283	589	294	216	225	224	219	222
28	2380	574	1240	396	234	265	325	217	233	---	217	---
29	---	---	---	256	231	237	325	212	233	---	---	---
30	---	---	---	255	228	233	225	200	211	---	---	---
31	---	---	---	232	228	230	---	---	---	233	224	228
MONTH	5520	262	1370	1650	228	391	325	200	231	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	228	217	223	222	219	220	5870	3030	4400	9760	5100	7200
2	222	208	214	223	218	220	6680	3030	4720	11000	4810	6590
3	212	206	209	222	218	219	7470	3420	5240	10200	5560	7570
4	212	201	206	316	218	227	7830	3390	5390	11600	6180	8850
5	208	197	203	837	218	---	8260	4680	6350	12000	6580	9040
6	207	194	197	2370	---	---	8540	5020	6500	12200	8790	10100
7	199	194	194	4420	---	---	9580	6080	7500	11900	8820	10400
8	226	194	207	5630	---	---	9280	5880	7500	11800	8940	10400
9	228	199	207	---	---	---	9250	5860	7530	11500	8680	10200
10	212	202	205	---	---	---	9130	6130	7550	11700	8760	10200
11	237	205	208	6540	---	---	8950	6170	7580	11400	7930	9650
12	246	206	209	6780	3840	5170	8550	6100	7410	10900	7920	9340
13	249	207	213	6950	3900	5380	8220	5830	7200	11000	8100	9420
14	272	208	215	6490	3910	5260	8290	5650	7020	10900	7970	9210
15	269	209	216	6340	3810	5190	8110	5520	6920	10500	8030	9440
16	231	210	213	5820	3540	4810	7780	5080	6620	10100	7740	9000
17	215	211	212	6550	3780	5070	8050	5040	6390	10000	7410	8700
18	215	212	213	6340	3430	4870	7910	5220	6450	10300	7630	8810
19	217	213	215	6650	3440	4760	8180	5120	6420	9910	7880	8910
20	219	215	217	6450	3300	4720	8190	5080	6440	10100	7920	9020
21	219	217	219	6410	3630	4850	8090	5160	6430	9920	7860	8970
22	221	218	219	6560	3850	5000	8050	5590	6730	10100	7760	8850
23	227	219	220	6410	3440	4680	7790	5090	6460	9850	6960	8400
24	223	220	221	5700	3130	4320	8300	5460	6960	9140	7000	8020
25	222	220	221	6390	3450	4700	7830	5470	6640	8390	6570	7620
26	224	221	221	5970	3530	4690	7470	5280	6330	8860	7040	7880
27	227	221	222	5790	3570	4660	7160	5150	6080	8780	6850	7860
28	230	221	222	5510	3540	4590	8230	5150	6480	8500	6190	7230
29	224	220	221	5440	3290	4480	7930	5930	6800	8360	5660	6580
30	223	220	221	5290	3370	4200	7990	5490	6410	7980	5470	6630
31	---	---	---	5390	2980	4080	9360	4950	6810	---	---	---
MONTH	272	194	213	---	---	---	9580	3030	6560	12200	4810	8670

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.0	21.0	21.5	16.0	15.5	15.5	12.0	11.5	11.5	6.0	5.0	5.5
2	21.5	20.5	21.0	16.0	15.5	15.5	12.0	11.5	11.5	6.0	4.5	5.0
3	21.5	20.5	21.0	16.0	15.5	15.5	12.0	11.0	11.5	5.5	4.5	5.0
4	21.5	20.5	21.0	16.0	15.0	15.5	11.5	11.0	11.5	5.5	4.5	5.0
5	21.5	20.5	21.0	15.5	14.5	15.0	11.5	11.0	11.5	5.5	4.5	5.0
6	21.0	20.0	20.5	15.0	14.0	14.5	11.5	11.0	11.5	5.0	4.0	4.5
7	20.5	19.5	20.0	14.5	14.0	14.5	11.5	11.0	11.0	5.0	4.0	4.5
8	20.0	19.0	19.5	14.5	14.0	14.0	11.5	11.0	11.0	4.5	3.5	4.0
9	20.0	19.0	19.5	14.5	13.5	14.0	11.5	10.5	11.0	4.5	3.5	4.0
10	19.5	18.5	19.0	14.0	13.5	13.5	11.0	10.0	10.5	4.5	3.5	4.0
11	19.5	18.5	19.0	14.0	13.0	13.5	11.0	10.0	10.5	5.0	3.5	4.0
12	19.5	19.0	19.5	13.5	12.5	13.0	11.0	10.0	10.5	4.5	3.5	4.0
13	19.5	19.0	19.5	13.5	12.5	13.0	11.0	10.0	10.5	4.5	3.5	4.0
14	19.5	19.0	19.5	13.0	12.5	12.5	10.5	10.0	10.0	4.0	3.5	3.5
15	19.5	19.0	19.5	13.0	12.5	12.5	10.5	9.5	10.0	4.5	3.5	4.0
16	19.5	18.5	19.0	13.0	12.5	12.5	10.0	9.0	9.5	4.0	3.5	4.0
17	19.5	18.0	19.0	13.0	12.0	12.5	10.0	9.0	9.5	4.5	3.5	4.0
18	18.5	17.5	18.0	13.0	12.0	12.5	10.0	8.5	9.0	4.0	3.5	3.5
19	18.5	17.5	18.0	12.5	12.0	12.5	9.5	8.5	9.0	4.0	3.0	3.5
20	18.5	17.5	18.0	12.5	11.5	12.0	9.0	8.5	8.5	4.0	3.0	3.5
21	18.0	17.5	17.5	12.0	11.0	11.5	8.5	8.0	8.0	3.5	3.0	3.5
22	18.0	17.0	17.5	12.0	11.0	11.5	8.5	7.5	8.0	3.5	3.0	3.0
23	18.0	17.0	17.5	11.5	11.0	11.5	8.0	7.5	8.0	3.5	3.0	3.5
24	18.0	17.5	17.5	11.5	11.5	11.5	8.0	7.5	8.0	4.0	3.5	3.5
25	18.0	17.5	17.5	12.0	11.5	11.5	8.0	7.0	7.5	4.0	3.5	3.5
26	17.5	16.5	17.0	12.0	11.5	11.5	8.0	7.0	7.5	4.0	3.5	3.5
27	17.5	16.0	16.5	11.5	11.5	11.5	7.5	6.5	7.0	4.5	3.0	3.5
28	17.0	15.5	16.5	12.0	11.5	11.5	7.0	6.0	7.0	4.5	3.5	4.0
29	16.5	15.5	16.0	11.5	11.5	11.5	7.0	6.0	6.5	4.5	3.5	4.0
30	16.5	15.5	16.0	11.5	11.5	11.5	7.0	6.0	6.5	4.5	3.5	4.0
31	16.0	15.5	15.5	---	---	---	6.5	5.5	6.0	4.5	3.5	4.0
MONTH	22.0	15.5	18.6	16.0	11.0	13.0	12.0	5.5	9.3	6.0	3.0	4.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	3.5	4.0	3.5	2.5	2.5	6.5	6.0	6.0	13.5	12.5	12.5
2	3.5	2.5	3.0	3.0	2.5	2.5	6.5	6.0	6.0	13.0	12.5	13.0
3	3.5	2.5	3.0	3.5	2.5	3.0	6.5	6.0	6.0	13.5	13.0	13.0
4	3.5	2.5	3.0	3.0	2.5	3.0	6.5	6.0	6.0	13.5	13.0	13.0
5	2.5	2.0	2.5	3.0	2.5	2.5	7.0	6.0	6.0	14.0	13.0	13.5
6	2.5	2.0	2.0	2.5	2.5	2.5	6.5	6.0	6.0	14.0	13.0	13.5
7	2.5	2.0	2.0	3.0	2.5	2.5	7.0	6.0	6.0	14.5	13.5	13.5
8	3.0	2.0	2.0	3.0	2.5	3.0	6.5	6.0	6.0	14.5	13.5	14.0
9	3.0	2.0	2.0	3.5	3.0	3.0	7.0	6.0	6.5	14.0	14.0	14.0
10	2.5	2.0	2.0	4.5	3.5	4.0	7.5	6.5	7.0	15.0	14.0	14.5
11	2.5	2.0	2.5	4.5	4.0	4.5	7.5	7.0	7.0	15.5	14.0	14.5
12	2.5	2.0	2.0	4.5	4.0	4.0	7.5	7.0	7.5	14.5	14.5	14.5
13	2.0	1.5	2.0	4.5	4.0	4.0	8.0	7.5	7.5	14.5	14.0	14.0
14	2.0	1.5	1.5	4.5	4.0	4.5	9.0	7.5	8.0	14.5	13.5	14.0
15	1.5	1.5	1.5	5.0	4.5	4.5	9.5	8.0	9.0	14.5	13.0	13.5
16	2.0	1.5	1.5	5.0	4.5	4.5	10.5	9.0	9.5	14.0	13.0	13.5
17	2.0	1.5	1.5	5.0	4.5	5.0	11.0	9.5	10.5	14.5	13.5	14.0
18	1.5	1.0	1.5	5.0	4.5	5.0	11.5	10.5	11.0	14.0	14.0	14.0
19	2.0	1.5	1.5	5.0	4.5	5.0	11.5	11.0	11.5	14.0	13.5	14.0
20	2.0	1.5	1.5	5.0	5.0	5.0	12.0	11.5	12.0	14.0	13.5	13.5
21	2.5	2.0	2.0	5.0	4.5	5.0	12.5	12.0	12.0	14.0	13.5	13.5
22	2.5	2.0	2.5	5.5	4.5	5.0	12.5	12.0	12.0	15.0	13.5	14.0
23	3.0	2.5	2.5	5.0	4.5	5.0	12.0	12.0	12.0	15.0	13.5	14.0
24	3.0	2.5	3.0	5.5	5.0	5.0	13.0	12.0	12.0	15.0	14.0	14.5
25	3.5	2.5	3.0	5.5	5.0	5.0	12.0	12.0	12.0	15.5	14.5	14.5
26	4.0	3.0	3.0	5.0	5.0	5.0	12.5	12.0	12.0	15.0	14.5	14.5
27	3.5	3.0	3.5	6.0	5.0	5.0	12.5	12.0	12.0	16.0	15.0	15.0
28	3.5	2.5	3.0	6.0	5.0	5.5	12.5	12.0	12.5	---	15.0	---
29	---	---	---	6.0	5.5	5.5	12.5	12.5	12.5	---	---	---
30	---	---	---	6.0	5.5	5.5	12.5	12.0	12.5	16.0	---	---
31	---	---	---	6.5	6.0	6.0	---	---	---	16.0	15.5	16.0
MONTH	4.0	1.0	2.3	6.5	2.5	4.3	13.0	6.0	9.2	---	---	---

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.5	16.0	16.0	24.0	23.5	24.0	27.5	26.5	27.0	25.5	24.0	24.5
2	17.0	16.0	16.5	24.5	24.0	24.0	27.5	27.0	27.0	25.0	24.0	24.0
3	17.5	16.5	16.5	25.0	24.0	24.5	27.5	26.5	27.0	24.5	23.5	24.5
4	17.5	16.5	17.0	26.0	24.5	25.0	28.0	27.0	27.5	25.0	24.5	24.5
5	17.0	16.5	17.0	25.5	24.5	---	27.5	27.0	27.5	25.0	24.5	24.5
6	17.5	17.0	17.0	---	---	---	27.5	26.5	27.0	24.5	24.0	24.5
7	17.5	17.0	17.0	---	---	---	27.0	26.5	27.0	25.0	24.0	24.5
8	18.5	17.0	17.5	---	---	---	27.0	26.5	27.0	25.0	24.0	24.5
9	18.5	17.5	18.0	---	---	---	27.0	26.5	26.5	25.0	24.5	24.5
10	19.5	18.0	18.5	---	---	---	27.0	26.5	26.5	25.0	24.5	24.5
11	19.5	18.0	19.0	25.5	---	---	27.0	26.5	27.0	25.0	24.0	24.5
12	19.5	18.5	19.5	26.0	25.0	25.0	27.5	26.5	27.0	24.5	23.5	24.0
13	19.5	19.0	19.5	25.5	25.0	25.0	27.5	27.0	27.0	24.5	23.5	24.0
14	19.5	19.0	19.5	25.5	25.0	25.0	27.5	27.0	27.0	24.5	23.5	24.0
15	19.5	19.0	19.5	25.5	25.0	25.5	27.5	27.0	27.0	24.5	24.0	24.0
16	20.0	19.5	19.5	25.5	25.0	25.5	27.5	27.0	27.0	24.5	24.0	24.0
17	20.0	19.5	20.0	26.0	25.0	25.5	27.5	27.0	27.5	24.5	23.5	24.0
18	20.5	20.0	20.0	26.0	25.5	26.0	28.0	27.0	27.5	24.5	24.0	24.0
19	21.0	20.0	20.5	26.5	25.5	26.0	28.0	27.5	27.5	24.5	24.0	24.0
20	21.0	20.5	21.0	26.5	25.5	26.0	28.0	27.5	27.5	24.5	24.0	24.0
21	21.5	20.5	21.0	26.5	26.0	26.0	28.0	27.5	27.5	24.5	24.0	24.0
22	22.0	21.0	21.5	27.0	26.0	26.5	28.0	27.5	27.5	24.5	24.0	24.0
23	23.0	21.5	22.0	27.0	26.0	26.5	28.0	27.0	27.5	24.5	23.5	24.0
24	23.5	22.0	22.5	26.5	26.0	26.5	28.0	26.5	27.0	24.0	23.5	24.0
25	23.5	22.0	22.5	27.0	26.0	26.5	27.5	26.5	27.0	24.0	23.5	23.5
26	23.0	22.5	22.5	26.5	26.0	26.0	27.0	26.5	27.0	23.5	23.0	23.5
27	23.5	22.5	23.0	26.5	25.5	26.0	27.0	26.0	26.5	23.5	23.0	23.0
28	24.0	23.0	23.5	26.5	25.5	26.0	27.0	25.0	26.5	23.5	22.5	23.0
29	24.0	23.0	23.5	27.0	26.0	26.0	26.5	25.0	26.0	23.0	22.0	22.5
30	24.0	23.5	23.5	27.0	26.0	26.5	25.5	24.5	25.5	22.5	22.0	22.5
31	---	---	---	27.5	26.0	26.5	25.5	24.5	25.0	---	---	---
MONTH	24.0	16.0	19.8	---	---	---	28.0	24.5	26.9	25.5	22.0	24.0

0137449480 EAST BRANCH CROTON RIVER NEAR PUTNAM LAKE, NY

LOCATION.--Lat 41°26'50", long 73°33'22", Putnam County, Hydrologic Unit 02030101, on left bank at downstream side of bridge on County Route 65, 1.3 mi southwest of Putnam Lake.
DRAINAGE AREA.--62.1 mi^2.
PERIOD OF RECORD.--October 1995 to current year.
REVISED RECORDS.--WDR NY-99-1: 1996(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 430 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,140 ft^3/s, Jan. 28, 1996, gage height, 9.82 ft; minimum, 0.07 ft^3/s, Aug. 10, 11, 14, 1999, gage height, 1.90 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 8	2315	*505	*6.89	No other peak greater than base discharge.			

Minimum discharge, 0.43 ft^3/s, Sept. 15, gage height, 2.26 ft.

REVISIONS.--Revised figures of discharge for the water year 2001 are given below. These figures supercede those published in the report for 2001. The peak discharges previously noted on Dec. 19 and June 19 are no longer considered peaks above the base discharge.

EXTREMES FOR 2001 WATER YEAR.--Peak discharges above base of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 23	1200	*954	*8.27	Mar. 31	2015	897	8.09

Minimum discharge, 1.9 ft^3/s, Sept. 10, gage height, 2.31 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	10	34	45	85	173	835	39	44	43	4.6	3.7
2	15	10	31	44	94	155	697	37	98	34	4.2	3.5
3	13	11	25	45	e100	141	576	33	172	28	3.7	3.5
4	12	11	23	45	e110	135	478	29	216	24	3.4	3.4
5	12	12	20	45	e100	132	409	27	200	27	3.3	5.4
6	12	12	19	45	e98	137	368	24	159	27	3.9	5.2
7	12	12	18	44	91	125	361	23	116	29	3.8	3.7
8	12	12	17	43	e80	126	376	23	80	34	3.5	2.9
9	11	10	17	42	82	124	376	22	54	33	3.7	2.6
10	10	16	18	41	93	123	370	22	35	27	3.2	3.2
11	10	46	16	40	e120	126	349	21	26	23	2.7	5.7
12	9.4	86	18	38	e120	129	334	21	23	21	2.6	5.2
13	8.8	93	e20	36	115	162	294	21	22	19	7.1	4.0
14	8.6	73	22	34	e110	210	256	19	21	17	9.1	8.9
15	8.4	59	27	32	107	258	214	17	20	15	12	13
16	7.8	50	30	34	109	288	180	15	19	13	9.0	12
17	9.3	41	e100	36	117	349	156	14	197	12	6.8	10
18	11	33	338	39	e130	429	141	14	421	11	7.1	8.7
19	16	29	486	41	e120	453	134	15	448	12	7.9	6.9
20	19	27	412	56	e110	435	126	15	351	12	12	8.3
21	17	24	299	e60	e110	438	110	17	266	10	14	24
22	17	21	198	e60	e120	650	105	19	191	9.8	13	32
23	16	19	e160	e58	104	930	99	31	171	9.6	11	34
24	13	18	e120	56	e90	875	96	76	200	8.1	11	28
25	12	17	e98	51	92	753	87	85	214	7.0	9.9	26
26	11	19	e80	48	133	642	75	86	205	6.9	8.3	25
27	11	30	59	44	157	540	65	105	168	7.4	6.8	24
28	10	40	51	40	171	452	56	106	130	7.2	6.8	21
29	10	38	45	e40	---	385	48	103	96	6.5	5.5	18
30	10	36	42	41	---	487	45	101	66	5.8	4.7	15
31	10	---	48	69	---	841	---	78	---	5.2	4.2	---
TOTAL	370.3	915	2891	1392	3068	11203	7816	1258	4429	544.5	208.8	366.8
MEAN	11.9	30.5	93.3	44.9	110	361	261	40.6	148	17.6	6.74	12.2
MAX	19	93	486	69	171	930	835	106	448	43	14	34
MIN	7.8	10	16	32	80	123	45	14	19	5.2	2.6	2.6
CFSM	0.19	0.49	1.50	0.72	1.76	5.82	4.20	0.65	2.38	0.28	0.11	0.20
IN.	0.22	0.55	1.73	0.83	1.84	6.71	4.68	0.75	2.65	0.33	0.13	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	101	122	139	171	166	236	209	137	93.7	58.7	19.0	58.9
MAX	277	248	445	342	253	361	307	212	190	160	39.0	230
(WY)	1997	1996	1997	1996	1996	2001	1997	1998	2000	1996	1996	1999
MIN	11.9	30.5	32.5	44.9	110	148	94.7	40.6	18.1	3.67	0.47	11.4
(WY)	2001	2001	1999	2001	2001	1997	1999	2001	1999	1999	1999	1997

e Estimated

0137449480 EAST BRANCH CROTON RIVER NEAR PUTNAM LAKE, NY--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	32811.1		34462.4			
ANNUAL MEAN	89.6		94.4		126	
HIGHEST ANNUAL MEAN					162	1997
LOWEST ANNUAL MEAN					94.4	2001
HIGHEST DAILY MEAN	486	Dec 19	930	Mar 23	1760	Jan 28 1996
LOWEST DAILY MEAN	7.8	Oct 16	2.6	Aug 12	0.08	Aug 10 1999
ANNUAL SEVEN-DAY MINIMUM	8.9	Oct 11	3.3	Aug 6	0.09	Aug 7 1999
ANNUAL RUNOFF (CFSM)	1.44		1.52		2.02	
ANNUAL RUNOFF (INCHES)	19.65		20.64		27.51	
10 PERCENT EXCEEDS	213		275		287	
50 PERCENT EXCEEDS	48		34		85	
90 PERCENT EXCEEDS	12		7.0		11	

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	4.5	12	12	31	19	69	201	112	31	3.9	27
2	16	3.8	9.1	11	34	18	67	193	121	24	4.9	24
3	15	4.5	7.8	9.7	30	38	64	191	100	18	30	18
4	16	4.4	6.4	9.3	27	84	70	195	75	14	51	21
5	13	5.8	6.1	9.3	e24	86	74	181	61	12	53	14
6	13	5.6	8.9	9.5	21	68	79	151	69	9.6	40	9.4
7	13	5.5	10	10	19	53	71	121	223	7.7	23	6.9
8	11	5.4	8.3	e10	18	47	58	98	438	6.7	14	4.9
9	11	5.5	9.3	11	17	44	51	84	479	6.3	11	3.6
10	11	5.6	9.4	11	17	46	59	79	368	6.7	7.3	2.7
11	11	5.7	10	12	27	48	69	72	249	6.6	5.0	2.5
12	7.8	4.8	10	14	35	45	67	66	174	5.9	4.2	1.5
13	8.5	5.0	10	15	e30	41	63	98	136	5.5	5.8	1.1
14	9.9	4.9	11	15	e25	40	62	220	118	4.7	5.6	0.66
15	13	5.1	13	15	23	43	90	344	124	4.0	3.0	0.83
16	9.6	5.5	14	15	23	45	140	332	136	3.0	2.0	4.7
17	9.9	5.1	14	15	24	43	157	248	138	2.5	1.7	5.7
18	9.1	5.3	21	15	24	43	133	239	128	1.7	e1.5	5.0
19	11	5.6	29	e15	22	44	99	301	110	1.5	e1.8	3.6
20	11	6.1	28	15	21	50	82	338	88	1.7	2.1	3.0
21	14	5.6	23	14	30	69	73	286	68	1.2	2.4	2.3
22	11	6.0	20	14	39	86	64	219	54	1.1	2.2	2.5
23	7.2	5.9	18	14	35	86	57	173	48	7.1	2.1	2.6
24	4.3	5.7	23	16	29	74	53	138	42	26	2.0	2.3
25	4.0	7.8	27	20	24	61	51	115	35	30	2.2	1.6
26	3.7	11	25	23	21	54	63	105	31	26	1.7	1.7
27	8.1	13	21	23	20	72	74	90	31	17	e1.2	11
28	7.5	12	18	24	20	91	85	91	34	12	0.79	23
29	6.1	13	16	24	---	96	139	100	36	8.8	5.5	27
30	5.4	17	15	27	---	84	187	105	36	6.3	17	26
31	4.0	---	13	29	---	72	---	102	---	4.6	26	---
TOTAL	310.1	200.7	466.3	476.8	710	1790	2470	5276	3862	313.2	333.89	260.09
MEAN	10.0	6.69	15.0	15.4	25.4	57.7	82.3	170	129	10.1	10.8	8.67
MAX	16	17	29	29	39	96	187	344	479	31	53	27
MIN	3.7	3.8	6.1	9.3	17	18	51	66	31	1.1	0.79	0.66
CFSM	0.16	0.11	0.24	0.25	0.41	0.93	1.33	2.74	2.07	0.16	0.17	0.14
IN.	0.19	0.12	0.28	0.29	0.43	1.07	1.48	3.16	2.31	0.19	0.20	0.16

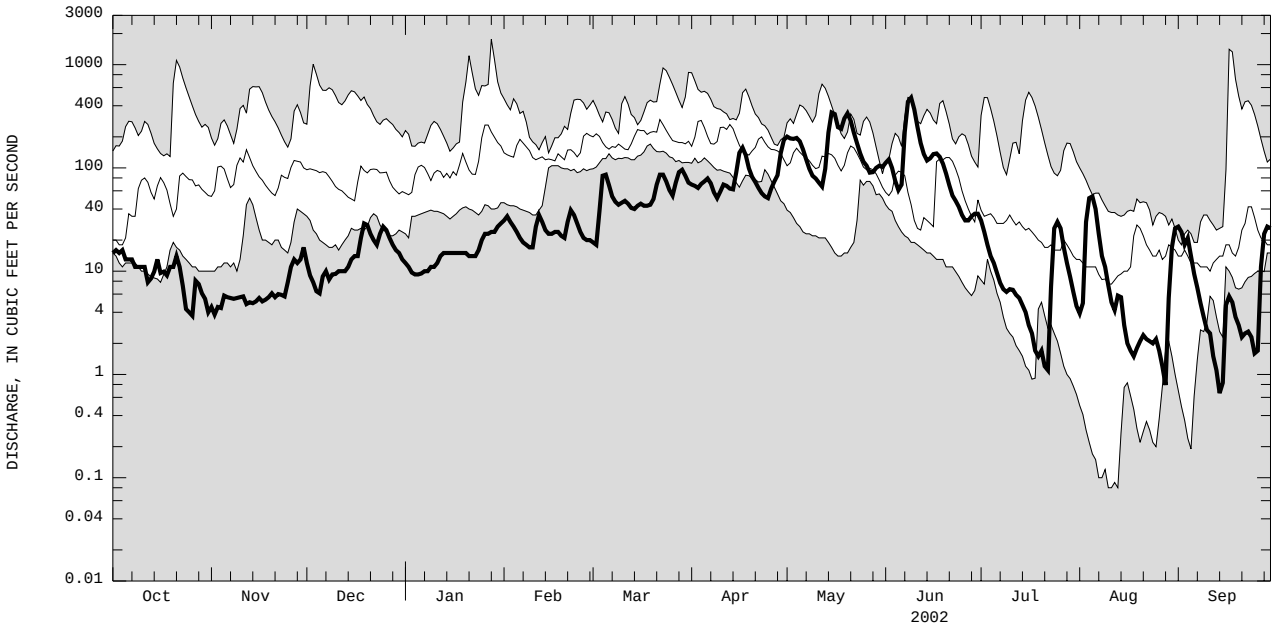
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	88.0	106	121	148	146	210	191	142	98.7	51.8	17.8	51.7
MAX	277	248	445	342	253	361	307	212	190	160	39.0	230
(WY)	1997	1996	1997	1996	1996	2001	1997	1998	2000	1996	1996	1999
MIN	10.0	6.69	15.0	15.4	25.4	57.7	82.3	40.6	18.1	3.67	0.47	8.67
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	1999	1999	1999	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	31263.2		16469.08			
ANNUAL MEAN	85.7		45.1		114	
HIGHEST ANNUAL MEAN					162	1997
LOWEST ANNUAL MEAN					45.1	2002
HIGHEST DAILY MEAN	930	Mar 23	479	Jun 9	1760	Jan 28 1996
LOWEST DAILY MEAN	2.6	Aug 12	0.66	Sep 14	0.08	Aug 10 1999
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug 6	1.7	Aug 22	0.09	Aug 7 1999
ANNUAL RUNOFF (CFSM)	1.38		0.73		1.84	
ANNUAL RUNOFF (INCHES)	18.73		9.87		24.99	
10 PERCENT EXCEEDS	215		116		273	
50 PERCENT EXCEEDS	23		18		66	
90 PERCENT EXCEEDS	5.2		3.7		8.9	

e Estimated

0137449480 EAST BRANCH CROTON RIVER NEAR PUTNAM LAKE, NY--Continued



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.

01374505 EAST BRANCH CROTON RIVER AT BREWSTER, NY

LOCATION.--Lat 41°23'40", long 73°36'27", Putnam County, Hydrologic Unit 02030101, on right bank 50 ft downstream from bridge on U.S. Highway 6 in Brewster, 0.9 mi upstream from bridge at Diverting Reservoir, and 1.6 mi downstream from East Branch Reservoir dam.
DRAINAGE AREA.--81.2 mi^2.
PERIOD OF RECORD.--March 1994 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 330 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by East Branch Reservoir. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,320 ft^3/s, Jan. 29, 1996, gage height, 6.21 ft; minimum, 10 ft^3/s, Sept. 26, 2002, gage height, 2.55 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 381 ft^3/s, Nov. 26, gage height, 4.44 ft; minimum, 10 ft^3/s, Sept. 26, gage height, 2.55 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

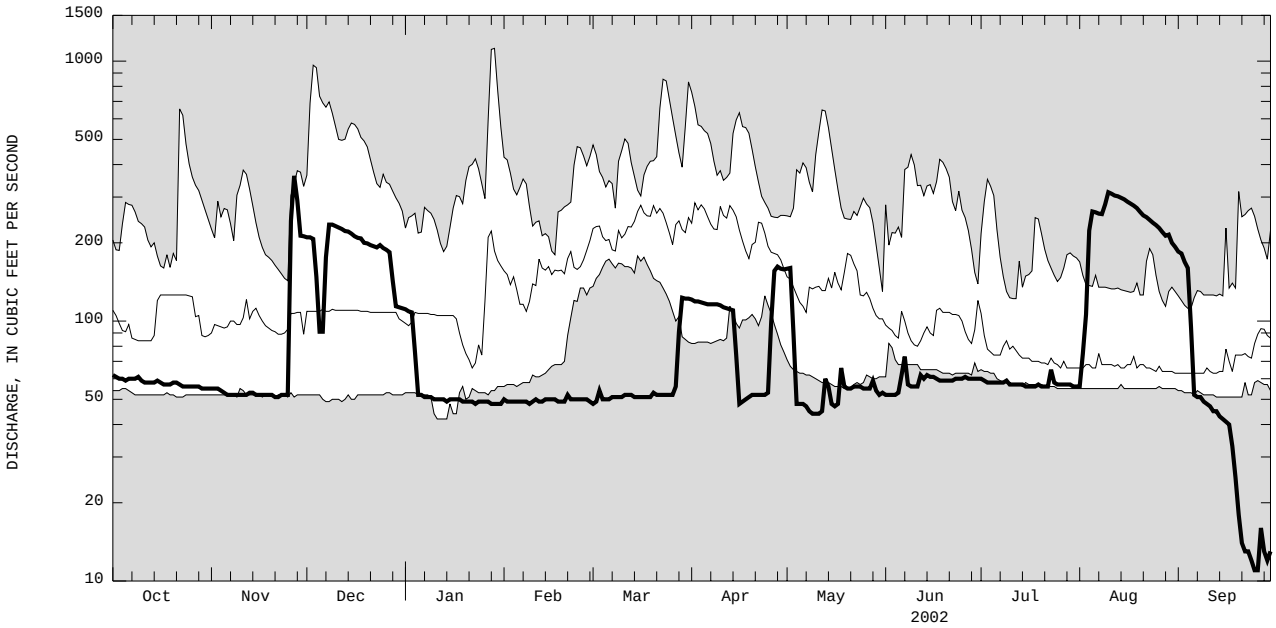
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	55	210	111	50	48	121	159	52	60	56	185
2	61	55	210	109	49	49	119	160	52	59	75	182
3	60	55	207	108	49	54	119	90	52	58	106	169
4	60	54	148	76	49	50	118	48	52	58	223	160
5	59	53	91	52	49	50	117	48	53	58	264	95
6	60	52	91	52	49	50	116	48	62	58	262	52
7	60	52	176	51	49	51	116	47	73	58	259	51
8	60	52	235	51	49	51	116	45	57	58	258	51
9	61	52	235	51	48	51	116	44	56	59	281	49
10	59	52	232	50	49	51	115	44	56	57	313	48
11	58	52	229	50	50	52	113	44	56	57	309	47
12	58	52	226	50	49	52	112	45	62	57	304	45
13	58	53	222	50	49	52	111	60	60	57	302	45
14	58	53	221	49	50	51	110	56	62	57	298	43
15	59	52	217	50	50	51	74	48	61	56	294	42
16	58	52	212	50	50	51	48	47	61	56	288	41
17	57	52	209	50	50	51	49	48	60	56	283	40
18	57	52	208	50	49	51	50	66	59	56	278	33
19	57	52	200	49	49	51	51	56	59	57	272	25
20	58	52	199	49	49	53	52	55	59	56	263	18
21	58	51	196	49	52	52	52	55	59	56	255	14
22	57	51	194	49	50	52	52	56	59	56	251	13
23	56	52	192	48	50	52	52	56	60	65	245	13
24	56	52	196	49	50	52	52	56	60	58	239	12
25	56	52	191	49	50	52	53	55	60	57	234	11
26	56	243	188	49	50	52	99	55	61	57	228	11
27	56	362	184	49	50	56	156	55	60	57	220	16
28	56	291	143	48	49	91	162	59	60	57	213	13
29	55	213	114	48	---	123	159	54	60	57	215	12
30	55	212	113	48	---	122	158	52	60	56	200	13
31	55	---	112	48	---	122	---	53	---	56	193	---
TOTAL	1796	2633	5801	1742	1386	1846	2938	1864	1763	1780	7481	1549
MEAN	57.9	87.8	187	56.2	49.5	59.5	97.9	60.1	58.8	57.4	241	51.6
MAX	62	362	235	111	52	123	162	160	73	65	313	185
MIN	55	51	91	48	48	48	48	44	52	56	56	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	114	110	169	129	155	240	225	147	119	87.0	97.8	81.9
MAX	221	238	510	264	281	368	366	261	212	154	241	132
(WY)	1997	1997	1997	1995	1996	2001	1994	1998	2000	1996	2002	1999
MIN	52.4	52.0	52.7	53.5	49.5	59.5	97.9	60.1	58.8	57.4	55.1	51.6
(WY)	2001	2001	2001	2001	2002	2002	2002	2001	2002	2002	1999	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	47256		32579			
ANNUAL MEAN	129		89.3		138	
HIGHEST ANNUAL MEAN					198	1997
LOWEST ANNUAL MEAN					89.3	2002
HIGHEST DAILY MEAN	852	Mar 23	362	Nov 27	1120	Jan 29 1996
LOWEST DAILY MEAN	51	Nov 21	11	Sep 25	11	Sep 25 2002
ANNUAL SEVEN-DAY MINIMUM	52	Nov 16	13	Sep 23	13	Sep 23 2002
10 PERCENT EXCEEDS	296		214		272	
50 PERCENT EXCEEDS	61		56		100	
90 PERCENT EXCEEDS	53		48		53	

01374505 EAST BRANCH CROTON RIVER AT BREWSTER, NY--Continued



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.

01374531 EAST BRANCH CROTON RIVER NEAR CROTON FALLS, NY

LOCATION.--Lat 41°22'27", long 73°38'18", Putnam County, Hydrologic Unit 02030101, on right bank 200 ft downstream from dam on Diverting Reservoir, just downstream from Lower Mine Road, 2.6 mi northeast of Croton Falls, and 2.7 mi upstream from the confluence with West Branch Croton River.
DRAINAGE AREA.--86.4 mi^2.
PERIOD OF RECORD.--June 1994 to current year.
REVISED RECORDS.--WDR NY-99-1: 1998.
GAGE.--Water-stage recorder. Supplementary water-stage recorder and concrete control 90 ft downstream from release structure outlet. Elevation of gage is 280 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records fair except those less than 10 ft^3/s and those greater than 300 ft^3/s, which are poor. Records include flow over spillway equal to or greater than 10 ft^3/s and flow through release structure. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft^3/s, Jan. 27, 1996, gage height, 6.17 ft, from rating curve extended above 380 ft^3/s; minimum daily discharge, 45 ft^3/s, Nov. 27-28, 2001, Mar. 9-10, 2002; minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 285 ft^3/s, Aug. 29, gage height, 3.59 ft; minimum daily discharge, 45 ft^3/s, Nov. 27-28, Mar. 9-10; minimum instantaneous discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

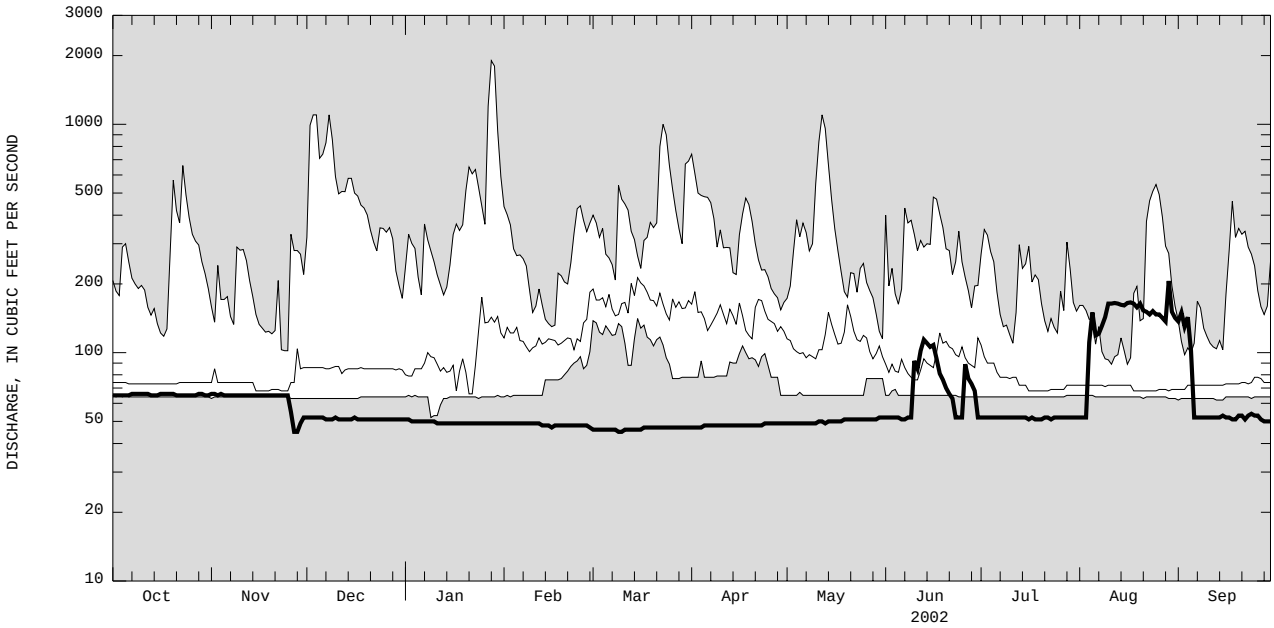
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	66	52	51	49	46	47	49	52	52	52	137
2	65	66	52	51	49	46	47	49	52	52	52	150
3	65	65	52	50	49	46	47	49	52	52	52	130
4	65	66	52	50	49	46	47	49	52	52	111	143
5	65	65	52	50	49	46	48	49	52	52	150	102
6	65	65	52	50	49	46	48	49	51	52	119	52
7	66	65	51	50	49	46	48	49	51	52	121	52
8	66	65	51	50	49	46	48	49	52	52	131	52
9	66	65	51	50	49	45	48	49	52	52	143	52
10	66	65	52	50	49	45	48	49	92	52	164	52
11	66	65	51	49	49	46	48	50	85	52	164	52
12	66	65	51	49	49	46	48	50	102	52	165	52
13	65	65	51	49	48	46	48	49	114	52	164	52
14	65	65	51	49	48	46	48	50	110	52	162	52
15	65	65	51	49	48	46	48	50	106	52	161	53
16	66	65	52	49	47	46	48	50	108	51	165	52
17	66	65	51	49	48	47	48	50	94	52	166	52
18	66	65	51	49	48	47	48	50	81	51	164	51
19	66	65	51	49	48	47	48	51	76	51	158	51
20	66	65	51	49	48	47	48	51	70	51	164	53
21	65	65	51	49	48	47	48	51	66	52	153	53
22	65	65	51	49	48	47	48	51	63	52	151	51
23	65	65	51	49	48	47	48	51	52	51	147	53
24	65	65	51	49	48	47	49	51	52	52	152	54
25	65	65	51	49	48	47	49	51	52	52	147	53
26	65	55	51	49	48	47	49	51	89	52	147	53
27	65	45	51	49	48	47	49	51	77	52	142	51
28	66	45	51	49	47	47	49	51	73	52	137	50
29	66	49	51	49	---	47	49	51	68	52	206	50
30	65	52	51	49	---	47	49	52	52	52	151	50
31	65	---	51	49	---	47	---	52	---	52	142	---
TOTAL	2028	1874	1589	1531	1354	1439	1443	1554	2148	1607	4403	1960
MEAN	65.4	62.5	51.3	49.4	48.4	46.4	48.1	50.1	71.6	51.8	142	65.3
MAX	66	66	52	51	49	47	49	52	114	52	206	150
MIN	65	45	51	49	47	45	47	49	51	51	52	50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	102	89.5	151	145	128	194	160	132	118	89.1	95.2	88.0
MAX	217	171	524	327	235	334	274	285	200	156	203	163
(WY)	1997	1997	1997	1996	1996	2001	1997	1998	2000	1996	1994	1999
MIN	64.1	62.5	51.3	49.4	48.4	46.4	48.1	50.1	67.3	51.8	64.0	64.0
(WY)	2001	2002	2002	2002	2002	2002	2002	2002	1999	2002	1999	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	40373		22930			
ANNUAL MEAN	111		62.8		123	
HIGHEST ANNUAL MEAN					174	1997
LOWEST ANNUAL MEAN					62.8	2002
HIGHEST DAILY MEAN	1000	Mar 23	206	Aug 29	1900	Jan 28 1996
LOWEST DAILY MEAN	45	Nov 27	45	Nov 27	45	Nov 27 2001
ANNUAL SEVEN-DAY MINIMUM	50	Nov 27	46	Mar 4	46	Mar 4 2002
10 PERCENT EXCEEDS	236		104		230	
50 PERCENT EXCEEDS	65		51		81	
90 PERCENT EXCEEDS	60		47		63	

01374531 EAST BRANCH CROTON RIVER NEAR CROTON FALLS, NY--Continued



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.

01374559 WEST BRANCH CROTON RIVER AT RICHARDSVILLE, NY

LOCATION.--Lat 41°28'14", long 73°45'38", Putnam County, Hydrologic Unit 02030101, on right bank 200 ft downstream from State Highway 301, and 0.9 mi northeast of Richardsville.
DRAINAGE AREA.--11.0 mi^2.
PERIOD OF RECORD.--October 1995 to current year.
REVISED RECORDS.--WDR NY-00-1: 1996-99 (P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 590 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those below 1.0 ft^3/s, those above 100 ft^3/s, and those for estimated daily discharges, which are poor. Occasional regulation by small lakes upstream from station. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,290 ft^3/s, Sept. 17, 1999, gage height, 4.88 ft, from rating curve extended above 520 ft^3/s; minimum, no flow part of each day Aug. 8-10, 24, 1999, Sept. 13-14, 19-20, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	1415	*162	*2.74	No other peak greater than base discharge.			

Minimum discharge, 0.04 ft^3/s, part of each day Aug. 13-16, 18-20, 26-29; minimum gage height, 0.17 ft, Aug. 15, 19, 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.48	0.08	1.9	2.3	10	5.1	16	41	19	4.1	e0.60	1.1
2	0.43	0.08	1.8	2.0	11	4.8	15	38	14	3.1	0.98	0.96
3	0.33	0.13	1.6	1.9	9.9	16	15	46	10	2.5	1.3	0.75
4	0.28	0.13	1.4	1.8	9.0	23	18	37	8.1	1.9	0.69	0.88
5	0.23	0.20	1.3	1.7	8.0	21	17	29	13	1.2	0.74	0.67
6	0.26	0.16	1.3	1.8	7.2	17	15	25	23	0.77	0.61	0.43
7	0.24	0.11	1.4	3.0	6.7	14	13	22	129	0.61	0.25	0.27
8	0.19	0.08	1.3	2.6	6.3	13	12	20	109	0.51	0.14	0.18
9	0.16	6.7	2.3	2.6	6.0	12	12	17	58	0.55	0.11	0.14
10	0.14	5.0	1.9	2.6	5.9	15	15	16	36	0.93	0.09	0.12
11	0.14	3.5	1.8	3.0	11	14	15	14	26	0.63	0.07	0.09
12	0.15	2.6	1.9	3.3	12	12	13	14	25	0.43	0.06	0.08
13	0.16	1.9	2.1	3.7	10	11	12	34	40	0.34	0.05	0.06
14	0.17	1.6	3.0	3.5	8.4	11	13	88	37	0.29	0.05	0.06
15	0.41	1.3	4.1	3.6	7.4	9.9	29	64	48	0.26	0.04	0.11
16	0.38	1.3	3.4	3.5	7.3	10	35	38	40	0.20	0.06	0.26
17	0.48	0.93	3.5	3.7	7.6	10	30	28	30	0.17	0.06	0.24
18	0.34	0.78	6.1	3.5	7.7	10	25	60	22	0.15	0.05	0.18
19	0.25	0.73	6.0	3.4	7.1	11	22	79	17	0.15	0.04	0.14
20	0.22	0.82	5.3	3.7	6.7	14	21	50	14	0.20	0.14	0.11
21	0.20	0.74	4.6	3.5	7.8	20	18	35	12	0.20	0.08	0.10
22	0.19	0.64	3.9	3.3	8.1	21	12	29	10	0.16	0.06	0.09
23	0.18	0.58	3.5	3.3	7.5	17	6.2	24	8.6	0.56	0.06	0.09
24	0.18	0.68	6.0	4.0	7.0	15	5.4	21	7.4	1.5	0.06	0.08
25	0.18	1.2	5.8	5.3	6.4	14	6.4	18	6.0	0.60	0.07	0.08
26	0.18	2.3	5.2	5.8	6.1	14	9.5	15	e7.0	0.33	0.05	0.10
27	0.13	1.9	4.5	6.2	6.0	21	10	15	e8.0	0.25	0.05	1.2
28	0.10	1.7	3.9	6.8	5.7	23	22	24	10	0.25	0.05	2.7
29	0.08	1.7	3.5	7.5	---	20	46	40	8.3	e0.50	1.9	1.8
30	0.08	1.8	3.1	8.8	---	18	43	30	5.8	e0.35	2.1	1.1
31	0.07	---	2.7	9.3	---	16	---	21	---	e0.40	1.5	---
TOTAL	7.01	41.37	100.1	121.0	219.8	452.8	541.5	1032	801.2	24.09	12.11	14.17
MEAN	0.23	1.38	3.23	3.90	7.85	14.6	18.1	33.3	26.7	0.78	0.39	0.47
MAX	0.48	6.7	6.1	9.3	12	23	46	88	129	4.1	2.1	2.7
MIN	0.07	0.08	1.3	1.7	5.7	4.8	5.4	14	5.8	0.15	0.04	0.06
CFSM	0.02	0.13	0.29	0.35	0.71	1.33	1.64	3.03	2.43	0.07	0.04	0.04
IN.	0.02	0.14	0.34	0.41	0.74	1.53	1.83	3.49	2.71	0.08	0.04	0.05

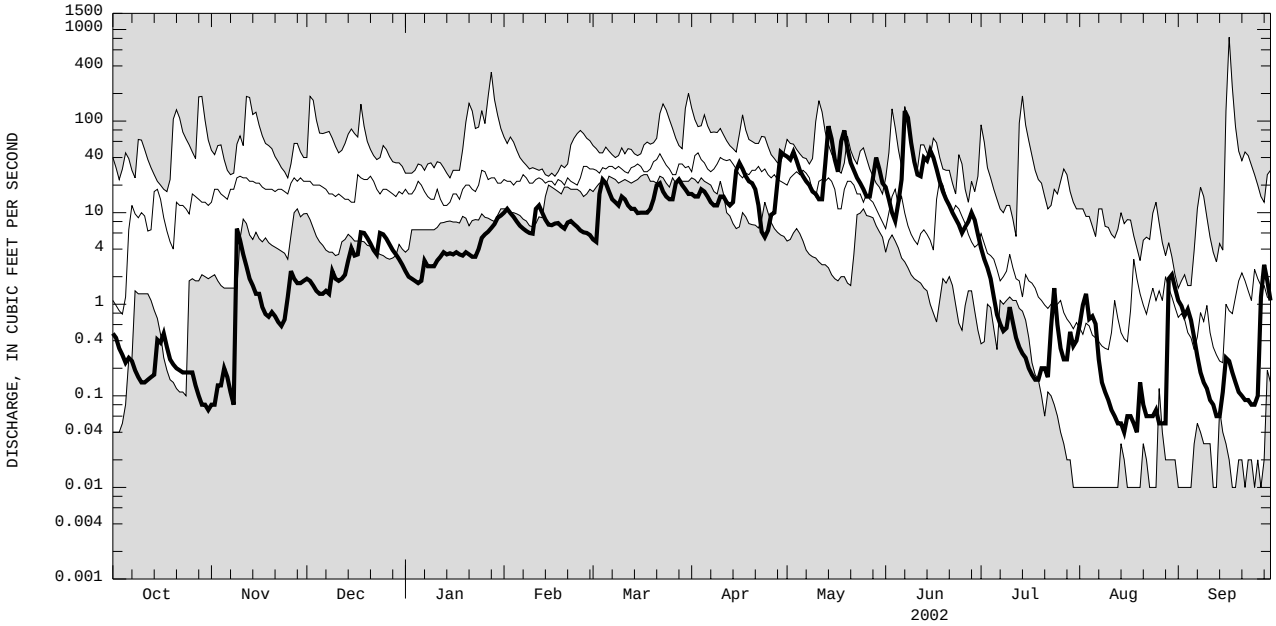
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	15.1	20.7	22.7	23.7	23.6	34.8	33.3	23.7	16.7	6.60	1.97	10.2
MAX	39.5	52.0	64.4	59.2	40.8	59.5	51.2	38.0	31.1	27.4	5.28	52.6
(WY)	1997	1996	1997	1996	1996	2001	1997	1998	2000	1996	1996	1999
MIN	0.23	1.38	3.23	3.90	7.85	14.6	13.3	6.20	2.53	0.68	0.018	0.19
(WY)	2002	2002	2002	2002	2002	2002	1999	2001	1999	1999	1999	1997

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	5308.97		3367.15			
ANNUAL MEAN	14.5		9.23		19.4	
HIGHEST ANNUAL MEAN					30.4	1996
LOWEST ANNUAL MEAN					9.23	2002
HIGHEST DAILY MEAN	201	Mar 31	129	Jun 7	823	Sep 17 1999
LOWEST DAILY MEAN	0.01	Sep 12	0.04	Aug 15	0.01	Sep 22 1997
ANNUAL SEVEN-DAY MINIMUM	0.03	Sep 12	0.05	Aug 13	0.01	Jul 30 1999
ANNUAL RUNOFF (CFSM)	1.32		0.84		1.76	
ANNUAL RUNOFF (INCHES)	17.95		11.39		23.94	
10 PERCENT EXCEEDS	42		24		43	
50 PERCENT EXCEEDS	3.5		3.5		13	
90 PERCENT EXCEEDS	0.19		0.11		0.37	

e Estimated

01374559 WEST BRANCH CROTON RIVER AT RICHARDSVILLE, NY--Continued



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.

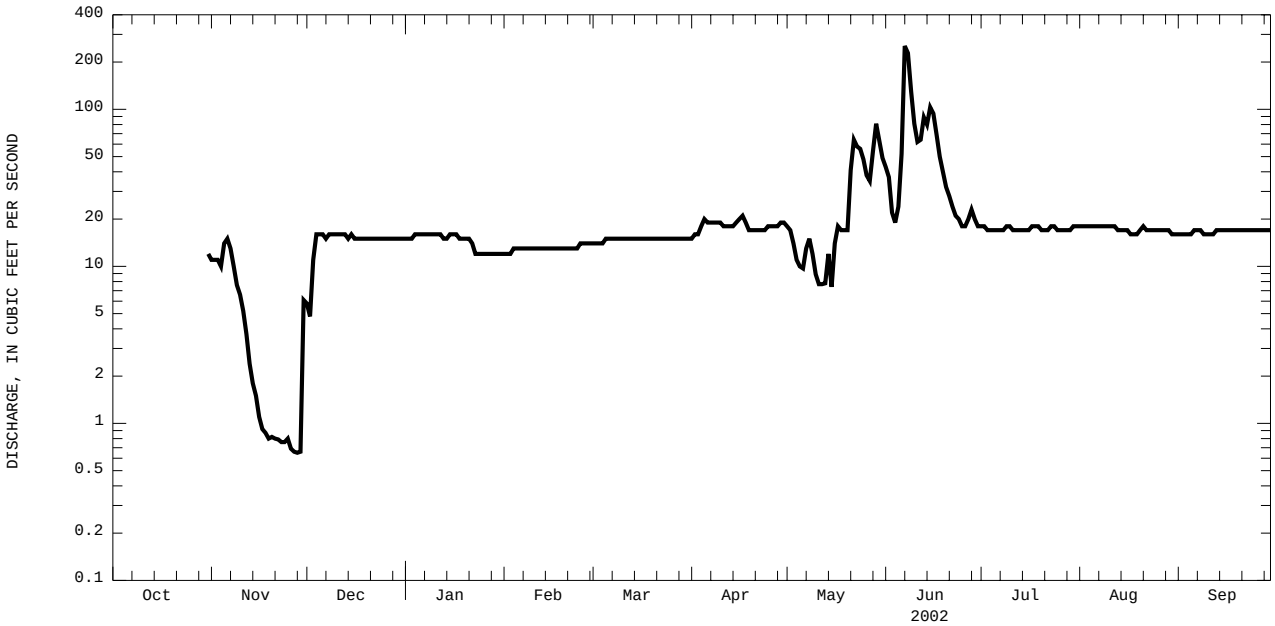
01374581 WEST BRANCH CROTON RIVER BELOW DAM NEAR KENT CLIFFS, NY

LOCATION.--Lat 41°26'59", long 73°44'13", Putnam County, Hydrologic Unit 02030101, on left bank 700 ft downstream from dam on Boyd Corners Reservoir, and 1.0 mi southeast of Kent Cliffs.
DRAINAGE AREA.--22.4 mi^2.
PERIOD OF RECORD.--October 2001 to September 2002.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 540 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by Boyd Corners Reservoir. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 295 ft^3/s, June 7, 2002, gage height, 3.64 ft; minimum, 0.62 ft^3/s, Nov. 27, 28, 29, 30, 2001, gage height, 0.50 ft.
EXTREMES FOR CURRENT PERIOD.--October 31 to September: Maximum discharge, 295 ft^3/s, June 7, gage height, 3.64 ft; minimum, 0.62 ft^3/s, Nov. 27, 28, 29, 30, gage height, 0.50 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11	5.8	15	12	14	15	18	43	18	18	16
2	---	11	4.8	15	12	14	16	17	37	18	18	16
3	---	11	11	15	12	14	16	14	22	17	18	16
4	---	10	16	16	13	14	18	11	19	17	18	16
5	---	14	16	16	13	15	20	10	24	17	18	16
6	---	15	16	16	13	15	19	9.7	52	17	18	17
7	---	13	15	16	13	15	19	13	253	17	18	17
8	---	10	16	16	13	15	19	15	228	17	18	17
9	---	7.6	16	16	13	15	19	12	130	18	18	16
10	---	6.6	16	16	13	15	19	8.9	81	18	18	16
11	---	5.2	16	16	13	15	18	7.7	62	17	18	16
12	---	3.7	16	16	13	15	18	7.7	64	17	18	16
13	---	2.4	16	15	13	15	18	7.8	89	17	17	17
14	---	1.8	15	15	13	15	18	12	80	17	17	17
15	---	1.5	16	16	13	15	19	7.4	103	17	17	17
16	---	1.1	15	16	13	15	20	14	94	17	17	17
17	---	0.92	15	16	13	15	21	18	69	18	16	17
18	---	0.87	15	15	13	15	19	17	50	18	16	17
19	---	0.80	15	15	13	15	17	17	40	18	16	17
20	---	0.82	15	15	13	15	17	17	32	17	17	17
21	---	0.80	15	15	13	15	17	41	28	17	18	17
22	---	0.79	15	14	13	15	17	64	24	17	17	17
23	---	0.76	15	12	13	15	17	58	21	18	17	17
24	---	0.76	15	12	13	15	17	56	20	18	17	17
25	---	0.80	15	12	14	15	18	48	18	17	17	17
26	---	0.69	15	12	14	15	18	38	18	17	17	17
27	---	0.66	15	12	14	15	18	35	20	17	17	17
28	---	0.65	15	12	14	15	18	54	23	17	17	17
29	---	0.66	15	12	---	15	19	81	20	17	17	17
30	---	6.1	15	12	---	15	19	63	18	18	16	17
31	12	---	15	12	---	15	---	49	---	18	16	---
TOTAL	---	140.98	451.6	449	365	461	543	841.2	1782	538	535	501
MEAN	---	4.70	14.6	14.5	13.0	14.9	18.1	27.1	59.4	17.4	17.3	16.7
MAX	---	15	16	16	14	15	21	81	253	18	18	17
MIN	---	0.65	4.8	12	12	14	15	7.4	18	17	16	16

01374581 WEST BRANCH CROTON RIVER BELOW DAM NEAR KENT CLIFFS, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01374598 HORSE POUND BROOK NEAR LAKE CARMEL, NY

LOCATION.--Lat 41°28'33", long 73°41'22", Putnam County, Hydrologic Unit 02030101, on left bank 100 ft downstream from Whangtown Road, and 1.8 mi northwest of Lake Carmel.
DRAINAGE AREA.--3.94 mi^2.
PERIOD OF RECORD.--August 1996 to current year.
REVISED RECORDS.--WDR NY-00-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 560 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those below 1.0 ft^3/s, those above 40 ft^3/s, and those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,070 ft^3/s, Sept. 16, 1999, gage height, 4.61 ft, from rating curve extended above 70 ft^3/s on basis of slope-area measurement of peak flow; minimum, no flow part or all of each day Aug. 6-14, 20, 25-26, Sept. 3-5, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 45 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 18	1145	50	2.03	June 7	0545	*63	*2.16

Minimum discharge, 0.11 ft^3/s, Sept. 13; minimum gage height, 0.47 ft, Aug. 28, 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.67	0.17	0.81	e0.66	2.5	e1.2	5.6	12	6.0	1.3	0.44	0.49
2	0.29	0.17	0.73	e0.66	2.4	1.2	4.4	15	3.4	1.2	1.7	0.53
3	0.15	0.36	0.65	e0.64	e1.7	12	5.0	16	2.5	1.1	1.2	0.47
4	0.13	0.38	0.62	e0.60	e1.4	5.3	6.6	11	2.2	0.97	0.68	0.57
5	0.13	0.41	0.63	e0.60	e1.3	e4.1	4.6	10	5.4	0.83	0.68	0.46
6	0.27	0.31	0.61	e0.60	1.1	3.8	4.3	9.4	11	0.73	0.56	0.39
7	0.27	0.24	0.66	e0.60	1.1	3.7	3.9	8.6	42	0.74	0.45	0.35
8	0.19	0.21	0.64	e0.56	e1.2	3.5	3.8	7.3	19	0.72	0.46	0.31
9	0.16	0.20	0.90	e0.56	e1.1	3.4	3.8	6.6	15	0.82	0.43	0.27
10	0.17	0.19	0.89	e0.55	1.2	6.1	6.8	6.2	12	0.90	0.42	0.24
11	0.17	0.18	0.96	e1.0	4.7	3.8	4.0	4.5	9.5	0.69	0.40	0.22
12	0.17	0.17	0.98	2.7	e2.4	3.4	3.6	5.5	9.6	0.65	0.36	0.13
13	0.24	0.17	0.98	1.4	e1.6	3.4	4.1	19	9.9	0.63	0.32	0.15
14	0.46	0.17	1.3	1.0	e1.4	3.4	4.0	24	12	0.62	0.31	0.16
15	0.89	0.19	1.6	0.99	e1.4	3.0	16	14	12	0.61	0.28	0.28
16	0.50	0.19	1.0	0.98	1.6	3.5	7.5	11	9.0	0.57	0.33	0.64
17	0.37	0.17	1.0	0.97	2.1	3.0	6.3	10	6.8	0.54	0.33	0.44
18	0.31	0.17	2.3	0.93	1.8	3.1	5.9	30	4.9	0.53	0.27	0.31
19	0.25	0.17	1.4	e0.90	e1.6	4.5	5.9	18	4.0	0.53	0.22	0.25
20	0.21	0.20	1.00	0.88	1.5	6.9	5.8	15	3.5	0.55	0.48	0.22
21	0.20	0.19	0.82	0.85	2.8	8.4	4.7	13	3.1	0.53	0.35	0.23
22	0.21	0.20	0.72	0.85	1.9	6.0	4.3	11	2.8	0.50	0.27	0.22
23	0.20	0.19	0.70	0.92	1.6	4.9	3.8	9.2	2.5	1.2	0.28	0.22
24	0.20	0.24	2.2	1.5	1.4	4.9	3.2	8.0	2.1	1.0	0.34	0.20
25	0.19	0.58	1.4	2.2	1.4	4.6	5.7	6.5	1.8	0.65	0.36	0.22
26	0.18	1.6	1.0	e1.5	1.5	5.0	6.9	6.1	4.4	0.57	0.27	0.23
27	0.16	1.0	e0.90	e1.5	1.5	10	4.5	6.7	4.4	0.55	0.21	1.4
28	0.17	0.85	e0.76	1.7	1.3	6.2	14	12	2.5	0.58	0.16	1.3
29	0.15	0.79	0.72	2.0	---	5.4	17	10	1.8	0.61	2.3	0.63
30	0.15	0.85	0.68	2.4	---	5.4	13	6.4	1.5	0.51	1.1	0.51
31	0.15	---	0.67	1.9	---	4.8	---	5.8	---	0.45	0.60	---
TOTAL	7.96	10.91	30.23	35.10	48.5	147.9	189.0	347.8	226.6	22.38	16.56	12.04
MEAN	0.26	0.36	0.98	1.13	1.73	4.77	6.30	11.2	7.55	0.72	0.53	0.40
MAX	0.89	1.6	2.3	2.7	4.7	12	17	30	42	1.3	2.3	1.4
MIN	0.13	0.17	0.61	0.55	1.1	1.2	3.2	4.5	1.5	0.45	0.16	0.13
CFSM	0.07	0.09	0.25	0.29	0.44	1.21	1.60	2.85	1.92	0.18	0.14	0.10
IN.	0.08	0.10	0.29	0.33	0.46	1.40	1.78	3.28	2.14	0.21	0.16	0.11

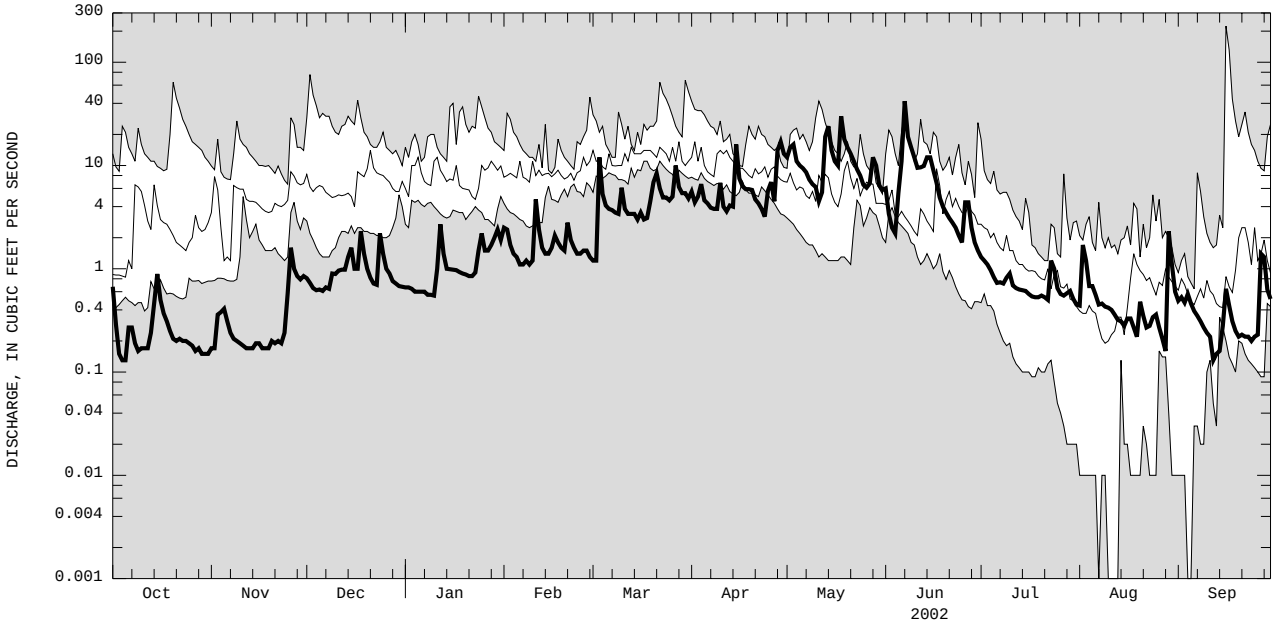
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	5.11	5.00	8.27	8.57	8.27	13.6	11.3	8.32	6.13	1.48	0.71	4.35
MAX	16.5	12.0	24.4	20.0	13.0	21.6	18.3	13.0	10.3	3.63	1.61	20.7
(WY)	1997	1997	1997	1999	1999	2001	1997	1998	2000	1998	2000	1999
MIN	0.26	0.36	0.98	1.13	1.73	4.77	6.28	2.66	1.59	0.17	0.031	0.37
(WY)	2002	2002	2002	2002	2002	2002	1999	2001	1999	1999	1999	1997

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	1885.21		1094.98			
ANNUAL MEAN	5.16		3.00		6.72	
HIGHEST ANNUAL MEAN					9.22	1997
LOWEST ANNUAL MEAN					3.00	2002
HIGHEST DAILY MEAN	67	Mar 30	42	Jun 7	224	Sep 16 1999
LOWEST DAILY MEAN	0.02	Sep 8	0.13	Oct 4	0.00	Aug 7 1999
ANNUAL SEVEN-DAY MINIMUM	0.04	Sep 3	0.16	Oct 27	0.00	Aug 7 1999
ANNUAL RUNOFF (CFSM)	1.31		0.76		1.71	
ANNUAL RUNOFF (INCHES)	17.80		10.34		23.17	
10 PERCENT EXCEEDS	13		8.8		15	
50 PERCENT EXCEEDS	1.6		1.0		4.3	
90 PERCENT EXCEEDS	0.17		0.20		0.34	

e Estimated

01374598 HORSE POUND BROOK NEAR LAKE CARMEL, NY--Continued



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.
ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.

0137462010 WEST BRANCH CROTON RIVER NEAR CARMEL, NY

LOCATION.--Lat 41°24'42", long 73°41'38", Putnam County, Hydrologic Unit 02030101, on right bank 300 ft upstream from U.S. Highway 6, 500 ft downstream from dam on West Branch Reservoir, and 1.4 mi southwest of Carmel.
DRAINAGE AREA.--42.9 mi^2.
PERIOD OF RECORD.--March 1994 to current year.
REVISED RECORDS.--WDR NY-98-1: 1997.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 440 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by West Branch Reservoir. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 436 ft^3/s, June 16, 1998, gage height, 3.27 ft; minimum daily, about 0.30 ft^3/s, Feb. 8, 1998; minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 64 ft^3/s, Aug. 20, gage height, 1.74 ft; minimum daily, 6.0 ft^3/s, May 4-5; minimum instantaneous dishcarge not determined; minimum gage height, 0.40 ft, Feb. 1, 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

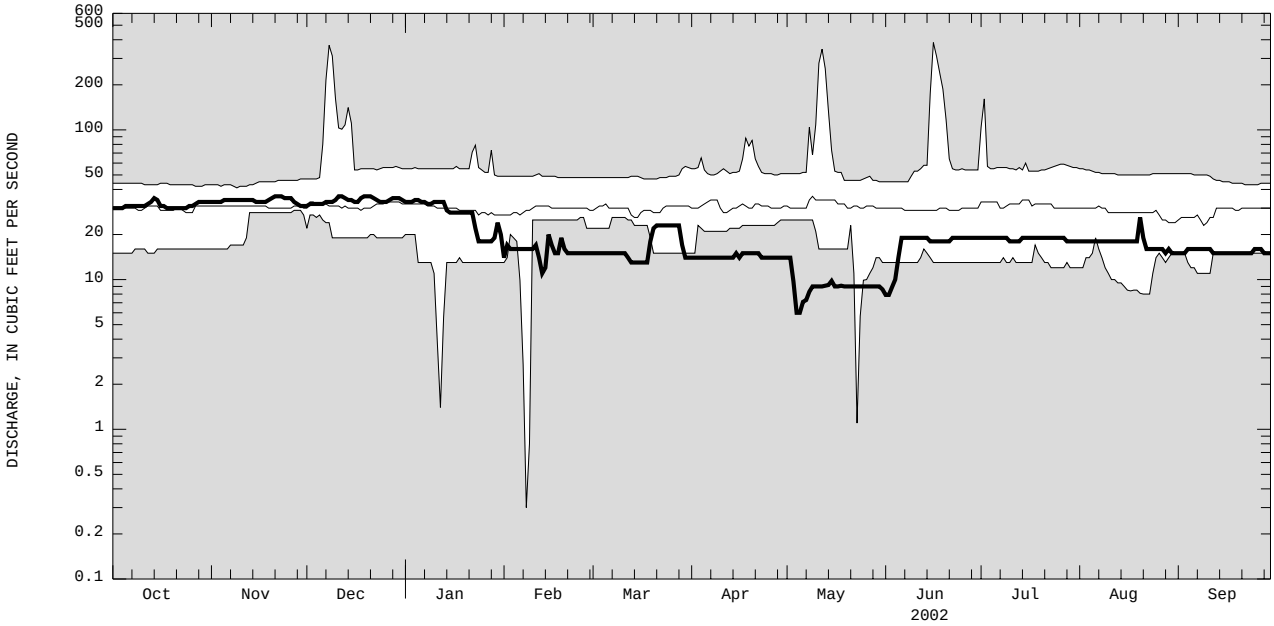
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	33	31	33	14	15	14	14	7.9	19	18	15
2	30	33	32	33	17	15	14	14	7.9	19	18	15
3	30	33	32	33	16	15	14	9.7	8.9	19	18	15
4	30	33	32	34	16	15	14	6.0	10	19	18	16
5	31	34	32	34	16	15	14	6.0	14	19	18	16
6	31	34	32	33	16	15	14	7.1	19	19	18	16
7	31	34	33	33	16	15	14	7.3	19	19	18	16
8	31	34	33	32	16	15	14	8.3	19	19	18	16
9	31	34	33	32	16	15	14	9.0	19	19	18	16
10	31	34	34	33	16	15	14	9.0	19	18	18	16
11	31	34	36	33	17	15	14	9.0	19	18	18	16
12	32	34	36	33	14	14	14	9.0	19	18	18	15
13	33	34	35	33	11	13	14	9.1	19	18	18	15
14	35	34	34	29	12	13	14	9.2	19	19	18	15
15	34	33	34	28	20	13	15	9.8	18	19	18	15
16	31	33	33	28	17	13	14	9.0	18	19	18	15
17	31	33	33	28	15	13	15	9.0	18	19	18	15
18	30	33	35	28	15	13	15	9.1	18	19	18	15
19	30	34	36	28	19	18	15	9.0	18	19	18	15
20	30	35	36	28	16	22	15	9.0	18	19	26	15
21	30	36	36	28	15	23	15	9.0	18	19	19	15
22	30	36	35	28	15	23	15	9.0	19	19	16	15
23	30	36	34	22	15	23	14	9.0	19	19	16	15
24	30	35	33	18	15	23	14	9.0	19	19	16	15
25	31	35	33	18	15	23	14	9.0	19	19	16	16
26	31	35	33	18	15	23	14	9.0	19	19	16	16
27	32	33	34	18	15	23	14	9.0	19	19	16	16
28	33	32	35	18	15	23	14	9.0	19	18	15	15
29	33	31	35	19	---	17	14	9.0	19	18	16	15
30	33	31	35	24	---	14	14	9.0	19	18	15	15
31	33	---	34	20	---	14	---	8.6	---	18	15	---
TOTAL	969	1013	1049	857	435	526	427	280.2	516.7	581	544	461
MEAN	31.3	33.8	33.8	27.6	15.5	17.0	14.2	9.04	17.2	18.7	17.5	15.4
MAX	35	36	36	34	20	23	15	14	19	19	26	16
MIN	30	31	31	18	11	13	14	6.0	7.9	18	15	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	29.8	31.9	38.2	29.5	29.7	29.5	32.6	34.3	34.0	32.3	27.5	26.2
MAX	43.3	44.2	73.7	55.5	48.6	48.5	54.0	69.5	75.9	55.2	51.2	46.5
(WY)	1995	1995	1997	1995	1995	1995	1994	1998	1998	1994	1994	1994
MIN	15.7	24.1	22.3	15.1	15.5	17.0	14.2	9.04	13.2	13.0	11.9	15.0
(WY)	1996	1996	1998	1999	2002	2002	2002	2002	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	11181		7658.9			
ANNUAL MEAN	30.6		21.0		30.1	
HIGHEST ANNUAL MEAN					38.4	1998
LOWEST ANNUAL MEAN					21.0	2002
HIGHEST DAILY MEAN	58	Jul 2	36	Nov 21	383	Jun 16 1998
LOWEST DAILY MEAN	15	Mar 20	6.0	May 4	0.30	Feb 8 1998
ANNUAL SEVEN-DAY MINIMUM	15	Mar 20	7.5	May 4	7.5	May 4 2002
10 PERCENT EXCEEDS	35		34		42	
50 PERCENT EXCEEDS	31		18		30	
90 PERCENT EXCEEDS	26		13		15	

0137462010 WEST BRANCH CROTON RIVER NEAR CARMEL, NY--Continued



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.

01374654 MIDDLE BRANCH CROTON RIVER NEAR CARMEL, NY

LOCATION.--Lat 41°25'56", long 73°39'06", Putnam County, Hydrologic Unit 02030101, on right bank 0.2 mi downstream from Fair Street bridge, 1.5 mi east of Carmel, and 1.8 mi downstream from dam on Lake Carmel.
DRAINAGE AREA.--13.7 mi^2.
PERIOD OF RECORD.--December 1995 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 490 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges and those below 1.0 ft^3/s, which are poor. Flow regulated by Lake Carmel. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 756 ft^3/s, Sept. 17, 1999, gage height, 5.97 ft; minimum discharge, 0.56 ft^3/s, Dec. 27, 2001, gage height, 1.36 ft (result of freezeup).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 178 ft^3/s, June 7, gage height, 3.65 ft; minimum, 0.56 ft^3/s, Dec. 27, gage height, 1.36 ft (result of freezeup).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	e2.6	0.92	e1.0	2.8	1.9	18	58	19	8.1	2.6	3.0
2	3.1	e2.6	0.85	e1.0	2.5	1.7	15	53	18	7.0	5.5	3.3
3	2.9	e2.6	0.85	e1.0	e2.5	4.2	16	40	16	6.2	3.5	3.0
4	2.9	e1.6	0.85	e1.0	2.5	2.3	19	29	14	5.7	3.0	5.1
5	2.9	e1.6	0.92	e1.0	2.9	2.3	18	33	15	4.4	3.2	3.2
6	3.1	e1.6	0.90	e1.0	2.9	2.1	16	31	23	3.0	2.9	2.8
7	3.1	e1.6	0.97	e1.0	2.4	2.0	14	29	102	2.8	2.9	2.8
8	3.1	e1.6	1.0	e1.0	2.4	2.1	13	26	82	2.7	2.8	2.6
9	33	1.6	1.3	e1.0	2.3	3.9	12	23	65	3.4	2.7	2.7
10	32	1.4	1.0	e1.0	2.5	9.8	18	23	49	3.0	2.7	2.8
11	16	1.3	1.1	e2.0	3.0	9.7	17	19	38	2.8	2.6	2.5
12	2.8	1.2	1.1	10	2.8	9.6	15	19	33	2.8	2.6	3.0
13	2.8	1.2	1.0	8.0	2.3	9.7	15	38	42	2.8	2.5	3.2
14	2.9	1.1	1.3	6.2	e2.3	9.7	16	108	37	2.8	2.5	3.5
15	3.7	1.1	1.2	6.0	e2.1	9.2	41	94	39	2.8	2.5	4.4
16	3.4	0.96	1.0	5.8	2.0	9.9	38	34	37	2.7	2.6	4.9
17	11	0.89	1.1	5.0	2.0	9.2	29	18	30	2.7	2.6	3.7
18	2.9	0.84	1.9	2.3	1.9	10	23	54	26	2.7	2.6	3.9
19	2.9	0.80	1.1	3.7	2.3	11	20	69	21	2.8	2.5	3.8
20	e2.9	0.98	1.1	5.1	1.9	14	19	98	17	2.7	3.1	3.8
21	e2.9	0.75	1.1	2.5	2.3	20	17	59	15	2.7	2.6	3.7
22	e2.9	0.68	1.1	2.3	1.9	21	16	19	13	2.7	2.6	4.0
23	e2.9	0.66	1.1	2.4	1.9	17	15	25	12	8.3	2.6	4.2
24	e2.9	0.92	2.0	2.5	1.8	15	14	26	11	3.6	2.6	3.7
25	e2.9	1.1	1.1	2.5	1.9	13	17	26	9.3	3.2	2.6	3.9
26	e2.9	1.2	1.0	2.4	1.8	13	23	24	11	3.2	2.6	4.3
27	e2.9	0.85	e1.0	2.4	1.8	23	20	23	13	3.1	2.6	7.8
28	e2.8	0.92	1.00	2.4	1.7	24	32	31	13	3.4	2.6	5.7
29	e2.7	0.88	0.93	2.4	---	20	63	61	12	3.2	6.3	5.1
30	e2.7	0.90	0.96	2.5	---	18	55	31	9.5	2.9	3.2	5.0
31	e2.7	---	e1.0	2.5	---	16	---	13	---	2.8	3.1	---
TOTAL	180.6	38.03	33.75	90.9	63.4	334.3	664	1234	841.8	113.0	91.3	115.4
MEAN	5.83	1.27	1.09	2.93	2.26	10.8	22.1	39.8	28.1	3.65	2.95	3.85
MAX	33	2.6	2.0	10	3.0	24	63	108	102	8.3	6.3	7.8
MIN	2.7	0.66	0.85	1.0	1.7	1.7	12	13	9.3	2.7	2.5	2.5

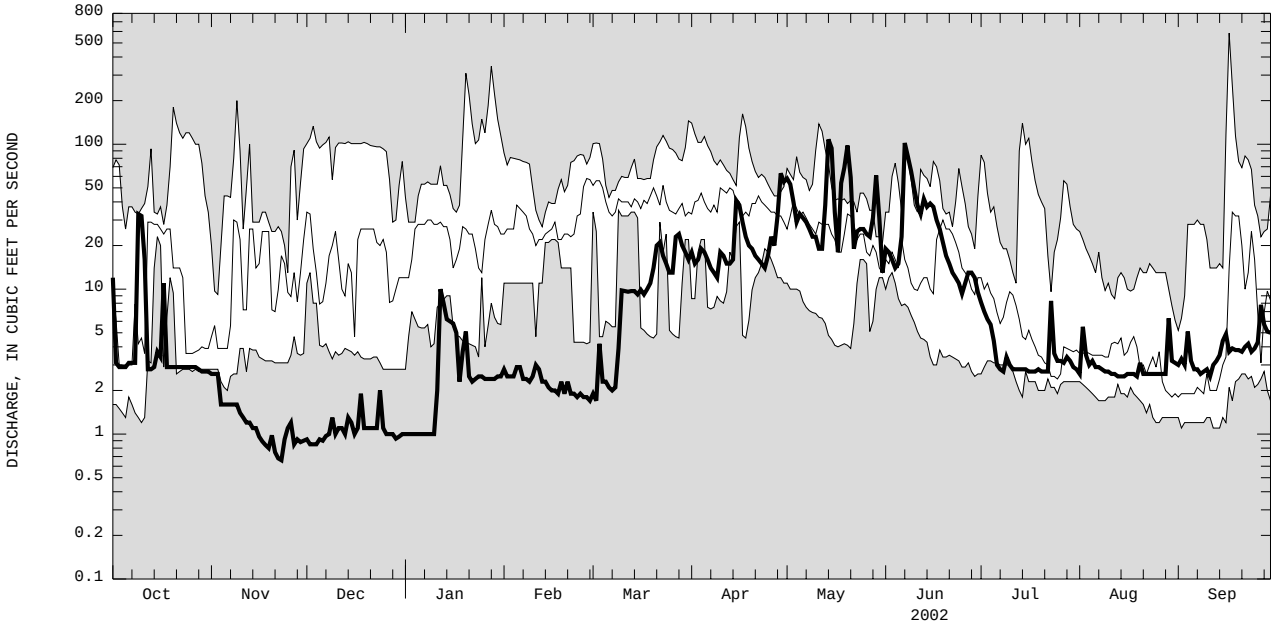
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	20.8	15.1	27.5	31.5	29.3	39.4	38.4	29.4	21.2	11.0	4.92	15.2
MAX	56.7	37.3	87.3	77.8	49.7	56.2	58.4	43.0	32.3	38.3	12.4	54.7
(WY)	1997	1997	1997	1996	1996	2001	1996	1998	2000	1996	1996	1999
MIN	5.83	1.27	1.09	2.93	2.26	10.8	18.5	9.85	5.89	2.71	1.74	2.22
(WY)	2002	2002	2002	2002	2002	2002	1999	2001	1999	1999	2001	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	6391.58		3800.48			
ANNUAL MEAN	17.5		10.4		21.7	
HIGHEST ANNUAL MEAN					31.0	1997
LOWEST ANNUAL MEAN					10.4	2002
HIGHEST DAILY MEAN	145	Mar 31	108	May 14	585	Sep 17 1999
LOWEST DAILY MEAN	0.66	Nov 23	0.66	Nov 23	0.66	Nov 23 2001
ANNUAL SEVEN-DAY MINIMUM	0.80	Nov 17	0.80	Nov 17	0.80	Nov 17 2001
10 PERCENT EXCEEDS	48		29		53	
50 PERCENT EXCEEDS	7.5		2.9		12	
90 PERCENT EXCEEDS	1.1		1.0		2.1	

e Estimated

01374654 MIDDLE BRANCH CROTON RIVER NEAR CARMEL, NY--Continued



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.

01374701 WEST BRANCH CROTON RIVER NEAR CROTON FALLS, NY

LOCATION.--Lat 41°21'28", long 73°40'07", Putnam County, Hydrologic Unit 02030101, on right bank 500 ft downstream from dam on Croton Falls Reservoir, 0.7 mi north of Croton Falls, 1.0 mi upstream from mouth, and 4.0 mi southwest of Brewster.
DRAINAGE AREA.--80.4 mi^2.
PERIOD OF RECORD.--January 1994 to current year.
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 210 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Croton Falls Reservoir. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,160 ft^3/s, Jan. 27, 1996, gage height, 3.79 ft, from rating curve extended above 580 ft^3/s; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 285 ft^3/s, Aug. 6, gage height, 2.25 ft; minimum discharge, 0.27 ft^3/s, Nov. 20, 21; minimum gage height, 0.85 ft, Feb. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

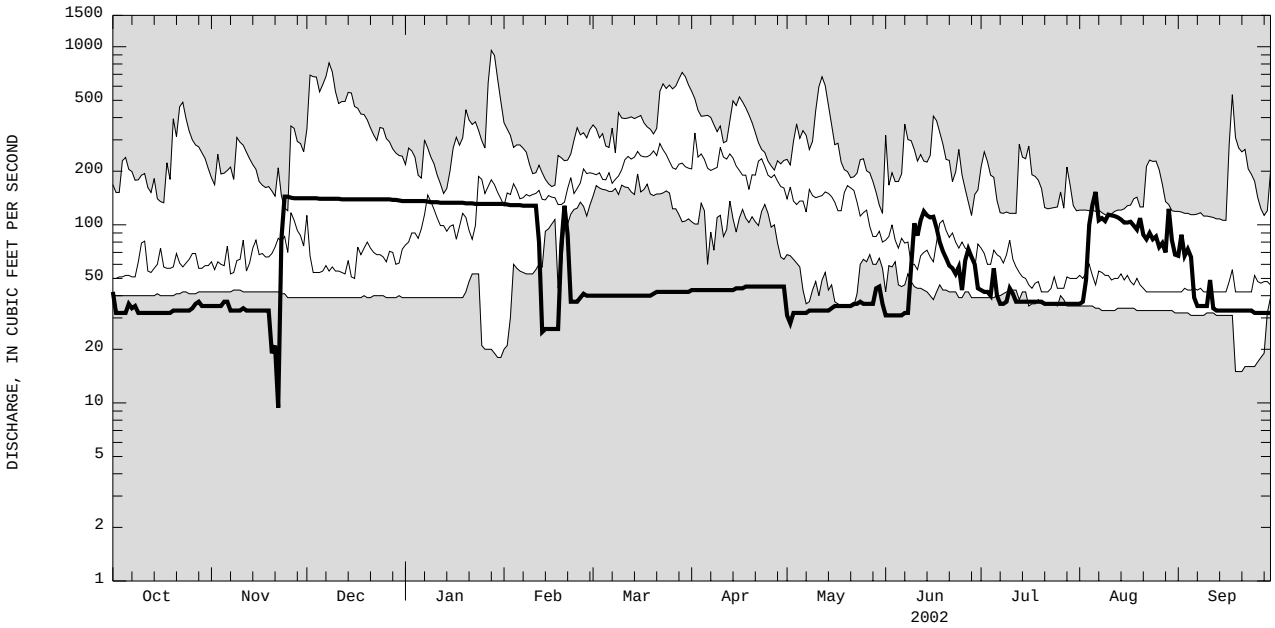
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	35	141	136	131	40	43	31	31	43	36	67
2	32	35	141	136	130	40	43	28	31	42	37	88
3	32	35	141	136	129	40	43	32	31	42	49	67
4	32	35	141	136	129	40	43	32	31	40	100	73
5	32	37	140	136	129	40	43	32	31	57	129	66
6	36	37	140	136	129	40	43	32	31	40	153	39
7	34	33	140	136	128	40	43	32	32	36	106	35
8	35	33	140	135	128	40	43	33	32	36	109	35
9	32	33	140	134	128	40	43	33	58	37	105	35
10	32	33	140	134	128	40	43	33	102	44	114	35
11	32	34	140	134	128	40	43	33	87	41	113	49
12	32	33	139	133	80	40	43	33	106	37	112	34
13	32	33	139	133	25	40	43	33	119	37	110	33
14	32	33	139	133	26	40	43	33	113	37	107	33
15	32	33	139	133	26	40	44	34	110	37	103	33
16	32	33	139	133	26	40	44	35	111	37	103	33
17	32	33	139	133	26	40	44	35	96	37	104	33
18	32	33	139	133	26	40	45	35	80	37	99	33
19	32	33	139	133	77	40	45	35	71	37	94	33
20	33	19	139	132	128	41	45	35	65	37	109	33
21	33	21	139	132	88	42	45	35	59	36	88	33
22	33	9.4	139	132	37	42	45	36	57	36	83	33
23	33	83	139	131	37	42	45	36	53	36	90	33
24	33	144	139	131	37	42	45	37	58	36	83	33
25	33	144	139	131	39	42	45	36	43	36	86	32
26	34	142	139	131	41	42	45	36	63	36	75	32
27	36	141	139	131	40	42	45	36	73	36	79	32
28	37	141	138	131	40	42	45	36	66	36	70	32
29	35	141	138	131	---	42	45	44	60	36	123	32
30	35	141	137	131	---	42	45	45	44	36	82	32
31	35	---	136	131	---	42	---	36	---	36	68	---
TOTAL	1037	1770.4	4317	4128	2216	1263	1319	1072	1944	1187	2919	1211
MEAN	33.5	59.0	139	133	79.1	40.7	44.0	34.6	64.8	38.3	94.2	40.4
MAX	42	144	141	136	131	42	45	45	119	57	153	88
MIN	32	9.4	136	131	25	40	43	28	31	36	36	32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	82.5	90.1	148	145	152	230	203	132	96.3	70.8	68.5	60.9
MAX	196	201	460	250	232	385	343	238	157	128	122	125
(WY)	1997	1997	1997	1995	1996	1994	1994	1998	2000	1996	1995	1999
MIN	33.5	41.7	39.4	48.7	79.1	40.7	44.0	34.6	49.0	38.3	33.5	37.2
(WY)	2002	2001	2001	2001	2002	2002	2002	2002	1999	2002	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	37782.4		24383.4			
ANNUAL MEAN	104		66.8		119	
HIGHEST ANNUAL MEAN					170	1997
LOWEST ANNUAL MEAN					66.8	2002
HIGHEST DAILY MEAN	619	Mar 23	153	Aug 6	954	Jan 28 1996
LOWEST DAILY MEAN	9.4	Nov 22	9.4	Nov 22	9.4	Nov 22 2001
ANNUAL SEVEN-DAY MINIMUM	26	Nov 16	26	Nov 16	16	Sep 19 1995
10 PERCENT EXCEEDS	239		138		242	
50 PERCENT EXCEEDS	53		42		86	
90 PERCENT EXCEEDS	32		32		39	

01374701 WEST BRANCH CROTON RIVER NEAR CROTON FALLS, NY--Continued



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.

01374821 TITICUS RIVER AT PURDYS STATION, NY

LOCATION.--Lat 41°19'38", long 73°39'21", Westchester County, Hydrologic Unit 02030101, on left bank 40 ft upstream from bridge on State Highway 22 in Purdys Station, 0.3 mi upstream from mouth, and 0.45 mi downstream from dam on Titicus Reservoir.
DRAINAGE AREA.--23.8 mi^2.
PERIOD OF RECORD.--March 1994 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 210 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Titicus Reservoir. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 561 ft^3/s, Jan. 28, 1996, gage height, 5.23 ft, from rating curve extended above 120 ft^3/s; minimum discharge, 1.3 ft^3/s, Jan. 31, 2002, gage height, 1.02 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 418 ft^3/s, Jan. 9, gage height, 4.66 ft, from rating curve extended above 120 ft^3/s, outside gage height was 5.04 ft, from crest-stage gage; minimum discharge, 1.3 ft^3/s, Jan. 31, gage height, 1.02 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

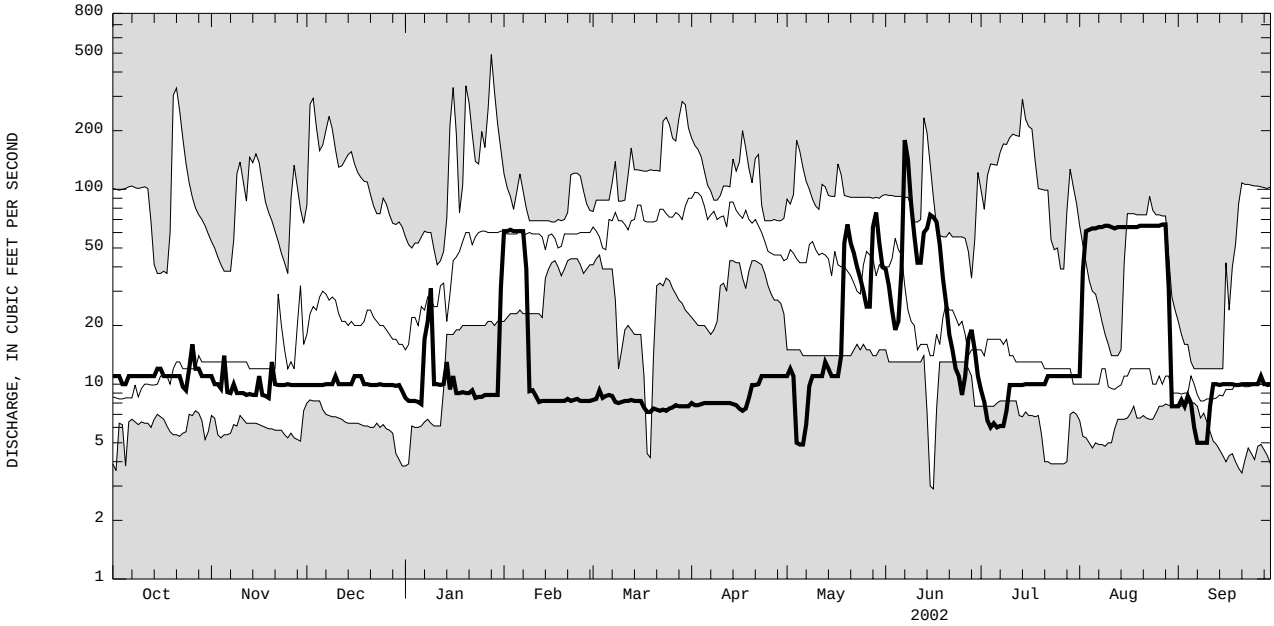
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	9.9	8.5	61	8.3	8.0	11	39	9.3	11	7.7
2	11	10	9.9	8.2	61	8.4	7.8	12	32	8.1	38	8.3
3	11	10	9.9	8.2	62	9.3	7.8	11	24	6.5	61	7.7
4	10	9.5	9.9	8.2	61	8.5	7.9	5.0	19	6.0	62	8.7
5	10	14	9.9	8.1	61	8.7	8.0	4.9	21	6.3	63	8.0
6	11	9.1	9.9	7.9	61	8.8	8.0	4.9	39	6.0	63	6.0
7	11	9.0	10	17	61	8.7	8.0	6.2	179	6.1	64	5.0
8	11	10	10	21	39	8.1	8.0	9.8	142	6.1	64	5.0
9	11	9.0	10	31	9.2	8.0	8.0	11	84	7.3	65	5.0
10	11	9.0	11	10	9.3	8.1	8.0	11	58	9.9	65	5.0
11	11	9.0	10	10	8.7	8.2	8.0	11	42	9.9	64	7.7
12	11	8.8	10	9.9	8.1	8.2	8.0	11	42	9.9	63	10
13	11	8.9	10	10	8.2	8.3	8.0	13	60	9.9	64	10
14	11	8.8	10	13	8.2	8.2	7.9	12	63	9.9	64	9.9
15	12	8.8	10	9.4	8.2	8.2	7.8	11	74	10	64	10
16	12	11	11	11	8.2	8.2	7.5	11	72	10	64	10
17	11	8.8	11	9.0	8.2	7.6	7.3	11	68	10	64	10
18	11	8.7	11	9.0	8.2	7.2	7.5	14	52	10	64	10
19	11	8.5	10	9.1	8.2	7.2	8.5	53	35	10	64	9.9
20	11	13	10	9.0	8.2	7.5	9.9	66	26	10	65	9.9
21	11	10	9.9	9.0	8.4	7.4	9.9	53	18	10	65	10
22	11	9.9	9.9	9.3	8.2	7.3	10	47	15	11	65	10
23	9.7	9.9	9.9	8.5	8.3	7.4	11	40	12	11	65	10
24	9.3	9.9	10	8.6	8.4	7.3	11	35	11	11	65	10
25	12	10	9.9	8.6	8.2	7.5	11	30	8.8	11	65	10
26	16	9.9	9.9	8.8	8.2	7.6	11	25	11	11	65	10
27	12	9.9	9.9	8.8	8.2	7.8	11	25	17	11	66	11
28	12	9.9	9.9	8.8	8.2	7.7	11	64	19	11	66	10
29	11	9.9	9.8	8.8	---	7.7	11	76	15	11	31	10
30	11	9.9	9.9	8.8	---	7.7	11	53	11	11	7.7	10
31	11	---	9.2	31	---	7.7	---	40	---	11	7.7	---
TOTAL	346.0	294.1	311.6	346.5	634.0	246.8	267.8	787.8	1308.8	291.2	1764.4	264.8
MEAN	11.2	9.80	10.1	11.2	22.6	7.96	8.93	25.4	43.6	9.39	56.9	8.83
MAX	16	14	11	31	62	9.3	11	76	179	11	66	11
MIN	9.3	8.5	9.2	7.9	8.1	7.2	7.3	4.9	8.8	6.0	7.7	5.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	25.6	25.7	35.5	49.8	54.2	60.5	63.0	45.8	35.6	30.7	21.6	15.1
MAX	81.3	64.3	133	109	73.7	106	89.1	88.8	56.9	113	56.9	46.6
(WY)	1997	1997	1997	1996	1996	1998	1996	1997	1998	1997	2002	1999
MIN	6.31	6.34	6.74	11.2	22.6	7.96	8.93	14.6	13.1	6.95	6.37	6.33
(WY)	1998	2001	1998	2002	2002	2002	2002	2001	1995	1999	1997	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	9280.2		6863.8			
ANNUAL MEAN	25.4		18.8		37.8	
HIGHEST ANNUAL MEAN					66.0	1997
LOWEST ANNUAL MEAN					18.8	2002
HIGHEST DAILY MEAN	151	Apr 22	179	Jun 7	492	Jan 28 1996
LOWEST DAILY MEAN	3.8	Jan 1	4.9	May 5	2.9	Jun 16 1999
ANNUAL SEVEN-DAY MINIMUM	8.0	Jul 29	6.0	Sep 5	3.9	Jul 21 1999
10 PERCENT EXCEEDS	88		61		87	
50 PERCENT EXCEEDS	14		10		20	
90 PERCENT EXCEEDS	8.8		7.7		7.7	

01374821 TITICUS RIVER AT PURDYS STATION, NY--Continued



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.

01374890 CROSS RIVER NEAR CROSS RIVER, NY

LOCATION.--Lat 41°15'37", long 73°36'07", Westchester County, Hydrologic Unit 02030101, on left bank 20 ft downstream from bridge on Ward Pound Ridge Reservation, 0.7 mi upstream from Cross River Reservoir, and 0.7 mi east of Cross River.
DRAINAGE AREA.--17.1 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1974, 1976-77. December 1995 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 335 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station. Also published as a NAWQA water-quality miscellaneous site.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 898 ft^3/s, Sept. 17, 1999, gage height, 6.68 ft, outside gage height was 6.96 ft, from crest-stage gage; minimum discharge, 0.16 ft^3/s, Aug. 3, 4, 6, 7, 8, 1999, gage height, 1.16 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	1245	*119	*3.23				

Minimum discharge, 0.24 ft^3/s, Aug. 19, gage height, 1.22 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	1.2	2.9	e2.8	13	4.1	23	45	34	9.1	2.2	1.1
2	5.0	1.1	2.5	e2.5	16	4.1	20	41	26	5.7	3.6	13
3	4.2	1.3	2.2	e2.2	14	57	20	39	19	4.8	9.1	e16
4	3.7	1.4	2.0	e2.1	11	41	25	32	15	4.1	5.5	e12
5	3.2	1.4	1.9	2.1	e9.0	34	20	27	21	3.3	4.6	e10
6	2.9	1.3	1.8	2.1	e6.6	26	19	24	31	2.7	3.7	e8.8
7	2.9	1.7	1.9	2.6	e6.8	23	17	22	107	2.4	2.3	7.5
8	2.5	1.2	1.9	e3.0	e6.6	20	16	20	80	2.1	1.6	4.9
9	2.2	1.2	5.6	e3.2	6.6	19	15	16	61	2.3	1.2	3.6
10	2.0	1.2	4.9	3.5	6.6	21	16	15	42	4.6	0.94	2.9
11	1.9	1.2	4.0	4.2	14	18	14	12	33	3.1	0.75	2.4
12	1.9	1.1	3.4	5.2	11	17	14	18	33	2.6	0.63	1.8
13	1.8	1.1	6.3	5.3	e8.0	16	15	45	42	2.2	0.57	1.4
14	1.7	1.1	8.2	5.2	e7.4	17	14	81	45	2.0	0.48	1.2
15	3.0	1.2	8.6	5.2	e7.0	15	20	60	53	1.8	0.42	1.9
16	2.7	1.2	5.7	5.5	6.9	15	18	45	48	1.5	0.46	6.0
17	2.5	1.3	5.1	5.1	7.0	14	16	35	41	1.3	0.49	5.9
18	2.3	1.2	14	4.8	6.4	15	14	74	30	1.1	0.43	4.0
19	2.0	1.2	8.9	e4.7	e5.4	19	12	73	26	2.9	0.32	3.1
20	2.0	1.4	7.7	e4.7	5.9	26	12	60	22	5.1	0.46	2.6
21	2.5	1.5	6.0	e4.7	13	35	12	47	19	4.5	0.47	2.3
22	3.6	1.6	4.5	4.6	11	27	13	39	16	3.4	0.41	2.1
23	3.5	1.4	3.6	4.7	9.4	22	13	34	14	3.0	0.35	1.9
24	2.6	1.8	12	8.1	7.9	20	11	30	11	6.7	0.39	1.7
25	2.0	2.1	9.7	12	6.3	18	13	26	8.8	3.0	0.59	1.4
26	1.6	6.3	7.7	11	5.5	17	17	23	10	2.1	0.51	1.5
27	1.5	4.8	6.0	11	5.5	32	14	22	16	1.9	0.38	12
28	1.4	3.6	e4.8	11	5.0	26	30	40	20	1.8	0.31	14
29	1.3	3.2	e4.0	11	---	23	54	32	15	2.6	3.8	9.3
30	1.9	3.1	e3.3	11	---	20	44	28	13	1.8	2.9	6.8
31	1.2	---	e3.0	10	---	19	---	24	---	1.1	1.4	---
TOTAL	79.3	54.4	164.1	175.1	238.8	680.2	561	1129	951.8	96.6	51.26	163.1
MEAN	2.56	1.81	5.29	5.65	8.53	21.9	18.7	36.4	31.7	3.12	1.65	5.44
MAX	5.8	6.3	14	12	16	57	54	81	107	9.1	9.1	16
MIN	1.2	1.1	1.8	2.1	5.0	4.1	11	12	8.8	1.1	0.31	1.1
CFSM	0.15	0.11	0.31	0.33	0.50	1.28	1.09	2.13	1.86	0.18	0.10	0.32
IN.	0.17	0.12	0.36	0.38	0.52	1.48	1.22	2.46	2.07	0.21	0.11	0.35

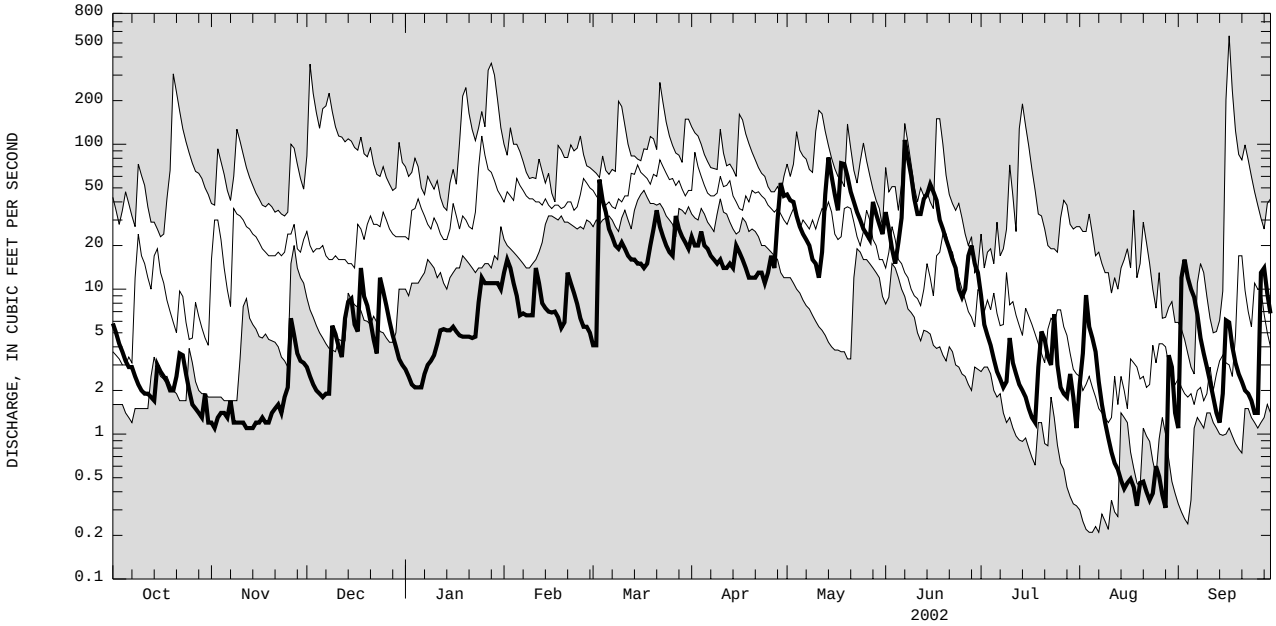
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	18.0	21.9	34.9	42.8	41.5	55.0	44.9	34.7	22.0	11.0	4.75	13.4
MAX	61.2	51.3	111	89.7	59.8	76.8	72.9	55.0	34.6	35.9	12.5	58.6
(WY)	1997	1997	1997	1996	1996	1998	1996	1998	2000	1996	2000	1999
MIN	2.56	1.81	5.29	5.65	8.53	21.9	18.7	10.2	6.77	1.38	0.64	1.37
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	7189.25		4344.66			
ANNUAL MEAN	19.7		11.9		27.0	
HIGHEST ANNUAL MEAN					40.5	1997
LOWEST ANNUAL MEAN					11.9	2002
HIGHEST DAILY MEAN	188	Mar 23	107	Jun 7	560	Sep 17 1999
LOWEST DAILY MEAN	0.69	Aug 9	0.31	Aug 28	0.21	Aug 4 1999
ANNUAL SEVEN-DAY MINIMUM	0.81	Aug 6	0.40	Aug 18	0.23	Aug 2 1999
ANNUAL RUNOFF (CFSM)	1.15		0.70		1.58	
ANNUAL RUNOFF (INCHES)	15.64		9.45		21.48	
10 PERCENT EXCEEDS	51		31		63	
50 PERCENT EXCEEDS	7.9		5.6		17	
90 PERCENT EXCEEDS	1.3		1.2		1.6	

e Estimated

01374890 CROSS RIVER NEAR CROSS RIVER, NY--Continued



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.

01374901 CROSS RIVER AT KATONAH, NY

LOCATION.--Lat 41°15'58", long 73°39'58", Westchester County, Hydrologic Unit 02030101, on left bank 600 ft downstream from dam on Cross River Reservoir, and 1.5 mi northeast of Katonah.
DRAINAGE AREA.--29.9 mi^2.
PERIOD OF RECORD.--March 1994 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 210 ft above NGVD of 1929, from topographic map. Feb. 8, 1996 to Sept. 16, 1998, at site 500 ft downstream at different datum.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by Cross River Reservoir. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 774 ft^3/s, Sept. 17, 1999, gage height, 5.50 ft, from rating curve extended above 220 ft^3/s; minimum recorded discharge, 0.01 ft^3/s, part or all of each day, Oct. 7-9, 14-18, 27-28, Nov. 3-4, 1997, but may have been less during these days; minimum gage height, 1.24 ft, Nov. 17, 1998.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 239 ft^3/s, June 7, gage height, 3.00 ft; minimum, 5.2 ft^3/s, Jan. 13, Feb. 1, 13, gage height, 1.30 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

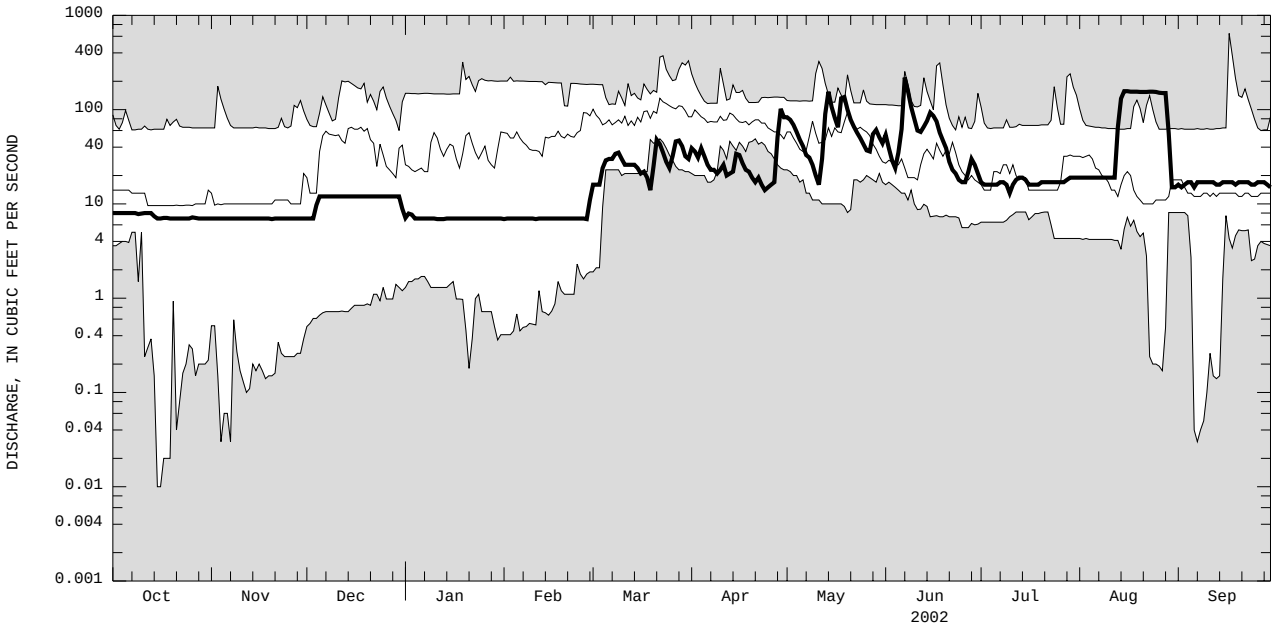
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	7.0	7.0	7.1	6.9	16	39	83	54	17	19	16
2	8.0	7.0	7.0	7.9	7.0	16	36	78	39	16	19	15
3	8.0	7.0	7.0	7.7	7.0	16	31	69	29	16	19	16
4	8.0	7.0	9.7	7.0	7.0	24	39	58	24	16	19	17
5	8.0	7.0	12	7.0	7.0	29	32	48	35	16	19	17
6	8.0	7.0	12	7.0	7.0	30	26	41	62	16	19	15
7	8.0	7.0	12	7.0	7.0	30	23	33	219	17	19	17
8	8.0	7.0	12	7.0	7.0	34	23	31	158	17	19	17
9	7.8	7.0	12	7.0	7.0	35	21	26	107	16	19	17
10	7.9	7.0	12	7.0	7.0	30	23	20	80	13	19	17
11	8.0	7.0	12	6.9	6.9	26	26	16	60	16	19	17
12	8.0	7.0	12	6.9	7.0	26	20	30	58	18	19	17
13	8.0	7.0	12	6.9	7.0	26	21	90	66	19	65	16
14	7.4	7.0	12	7.0	7.0	26	22	155	76	19	131	16
15	7.0	7.0	12	7.0	7.0	24	34	107	93	18	157	17
16	7.0	7.0	12	7.0	7.0	21	33	82	86	16	157	17
17	7.1	7.0	12	7.0	7.0	22	27	65	75	16	155	17
18	7.1	7.0	12	7.0	7.0	19	23	132	57	16	155	17
19	7.0	7.0	12	7.0	7.0	14	22	136	47	16	155	16
20	7.0	6.9	12	7.0	7.0	25	19	100	39	17	154	17
21	7.0	7.0	12	7.0	7.0	48	17	78	28	17	154	17
22	7.0	7.0	12	7.0	7.0	43	19	66	23	17	154	17
23	7.0	7.0	12	7.0	7.0	35	16	57	21	17	155	17
24	7.0	7.0	12	7.0	7.0	28	14	50	18	17	155	16
25	7.0	7.0	12	7.0	7.0	24	15	43	17	17	154	16
26	7.2	7.0	12	7.0	7.0	32	16	37	17	17	151	17
27	7.1	7.0	12	7.0	6.9	46	17	36	22	17	150	17
28	7.0	7.0	12	7.0	11	47	51	55	30	18	150	17
29	7.0	7.0	12	7.0	---	41	102	61	26	19	56	16
30	7.0	7.0	12	7.0	---	32	83	51	21	19	15	15
31	7.0	---	8.9	7.0	---	30	---	44	---	19	15	---
TOTAL	230.6	209.9	351.6	218.4	199.7	895	890	1978	1687	525	2666	496
MEAN	7.44	7.00	11.3	7.05	7.13	28.9	29.7	63.8	56.2	16.9	86.0	16.5
MAX	8.0	7.0	12	7.9	11	48	102	155	219	19	157	17
MIN	7.0	6.9	7.0	6.9	6.9	14	14	16	17	13	15	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	21.3	23.5	42.4	54.8	60.7	85.4	75.8	65.0	44.6	29.5	35.4	27.8
MAX	62.9	63.9	84.4	161	189	142	119	120	83.5	67.0	86.0	84.7
(WY)	1997	1997	1995	1997	1997	2001	1996	1996	1996	1996	2002	1999
MIN	1.40	0.22	0.86	1.07	0.96	28.9	29.7	18.8	10.7	7.90	5.12	4.55
(WY)	1998	1998	1998	1998	1998	2002	2002	2001	1999	1999	1997	1997

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	13976.3		10347.2			
ANNUAL MEAN	38.3		28.3		46.2	
HIGHEST ANNUAL MEAN					71.4	1997
LOWEST ANNUAL MEAN					26.8	1998
HIGHEST DAILY MEAN	373	Mar 23	219	Jun 7	644	Sep 17 1999
LOWEST DAILY MEAN	6.9	Nov 20	6.9	Nov 20	0.01	Oct 15 1997
ANNUAL SEVEN-DAY MINIMUM	7.0	Nov 14	7.0	Jan 7	0.09	Oct 13 1997
10 PERCENT EXCEEDS	103		67		114	
50 PERCENT EXCEEDS	12		16		26	
90 PERCENT EXCEEDS	7.0		7.0		7.0	

01374901 CROSS RIVER AT KATONAH, NY--Continued



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.

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY
(National water-quality assessment program station)

LOCATION.--Lat 41°14'58", long 73°40'15", Westchester County, Hydrologic Unit 02030101, on left bank 1,300 ft downstream from bridge on Beaverdam Road, and 1.2 mi southeast of Katonah. Water-quality sampling site at discharge station.
DRAINAGE AREA.--18.7 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 220 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,200 ft^3/s, Sept. 16, 1999, gage height, 6.76 ft, from rating curve extended above 580 ft^3/s on basis of step-backwater analysis of peak flow; minimum discharge, 1.1 ft^3/s, Aug. 4, 5, 1999, Aug. 14, 16, 20, 26, 2002; minimum gage height, 0.73 ft, Aug. 14, 16, 20, 26, 2002.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 3	0730	172	2.44	June 7	0230	*217	*2.64
May 13	2100	172	2.44				

Minimum discharge, 1.1 ft^3/s, Aug. 14, 16, 20, 26, gage height, 0.73 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	4.0	6.4	e4.8	16	8.1	26	46	23	8.7	2.6	3.4
2	10	4.2	5.9	e4.4	20	7.6	23	44	18	7.9	4.7	18
3	8.2	5.0	5.4	e4.4	13	91	21	42	15	7.2	7.7	18
4	7.1	5.6	5.0	e4.6	11	60	27	32	13	6.6	4.1	12
5	6.6	4.8	5.1	4.7	8.9	34	23	27	29	5.9	3.3	7.0
6	6.8	4.5	5.1	4.9	7.8	25	20	24	39	5.4	3.2	4.7
7	6.8	4.6	5.5	e9.0	7.7	22	18	23	149	5.2	3.1	3.7
8	6.3	4.4	6.6	e9.5	7.7	20	18	21	75	5.0	2.9	3.2
9	6.1	4.2	13	6.6	7.5	19	19	19	44	5.9	2.2	2.9
10	5.9	4.3	12	7.0	7.6	21	20	19	32	7.9	2.2	2.6
11	6.1	4.3	8.5	8.5	19	20	17	16	26	5.8	2.3	2.5
12	6.2	4.2	6.8	10	15	18	16	23	24	4.8	1.9	2.2
13	6.0	4.1	6.3	11	11	17	18	71	29	4.4	2.0	2.1
14	5.9	4.2	7.5	9.9	8.6	19	18	107	37	4.7	2.5	2.1
15	10	4.7	10	9.5	7.9	17	23	63	46	4.8	2.1	4.9
16	8.6	5.0	7.6	9.8	8.3	16	20	41	36	4.1	2.4	12
17	6.5	4.8	7.2	9.4	8.8	15	17	32	30	3.7	2.8	7.0
18	5.4	4.5	22	9.1	8.3	18	16	90	22	3.7	2.5	5.0
19	5.0	4.5	16	7.1	7.4	23	14	71	18	3.9	2.3	3.9
20	4.9	4.8	12	e7.2	7.5	37	15	48	16	4.1	2.3	3.4
21	4.9	5.0	8.1	e7.4	17	50	14	38	14	3.7	1.9	3.1
22	4.9	4.8	7.0	7.4	15	33	16	33	13	3.3	2.1	3.0
23	4.8	4.6	8.0	8.2	12	26	17	30	12	4.5	2.2	2.7
24	5.0	5.0	22	16	9.6	23	15	27	11	6.1	e2.1	2.4
25	5.0	6.9	17	21	9.1	21	18	24	10	3.6	2.3	2.3
26	4.6	16	12	15	9.0	20	24	22	10	3.2	2.0	2.9
27	4.1	9.4	8.8	13	9.4	39	18	21	11	3.2	1.7	20
28	3.8	7.1	e7.2	12	9.4	32	43	30	15	3.5	1.4	15
29	3.9	6.3	e6.4	11	---	25	83	30	13	3.5	12	8.3
30	3.9	6.5	e5.8	12	---	22	49	23	9.9	3.3	7.7	5.6
31	3.9	---	e5.2	12	---	22	---	20	---	2.9	4.4	---
TOTAL	188.2	162.3	281.4	286.4	299.5	820.7	686	1157	839.9	150.5	98.9	185.9
MEAN	6.07	5.41	9.08	9.24	10.7	26.5	22.9	37.3	28.0	4.85	3.19	6.20
MAX	11	16	22	21	20	91	83	107	149	8.7	12	20
MIN	3.8	4.0	5.0	4.4	7.4	7.6	14	16	9.9	2.9	1.4	2.1
CFSM	0.32	0.29	0.49	0.49	0.57	1.42	1.22	2.00	1.50	0.26	0.17	0.33
IN.	0.37	0.32	0.56	0.57	0.60	1.63	1.36	2.30	1.67	0.30	0.20	0.37

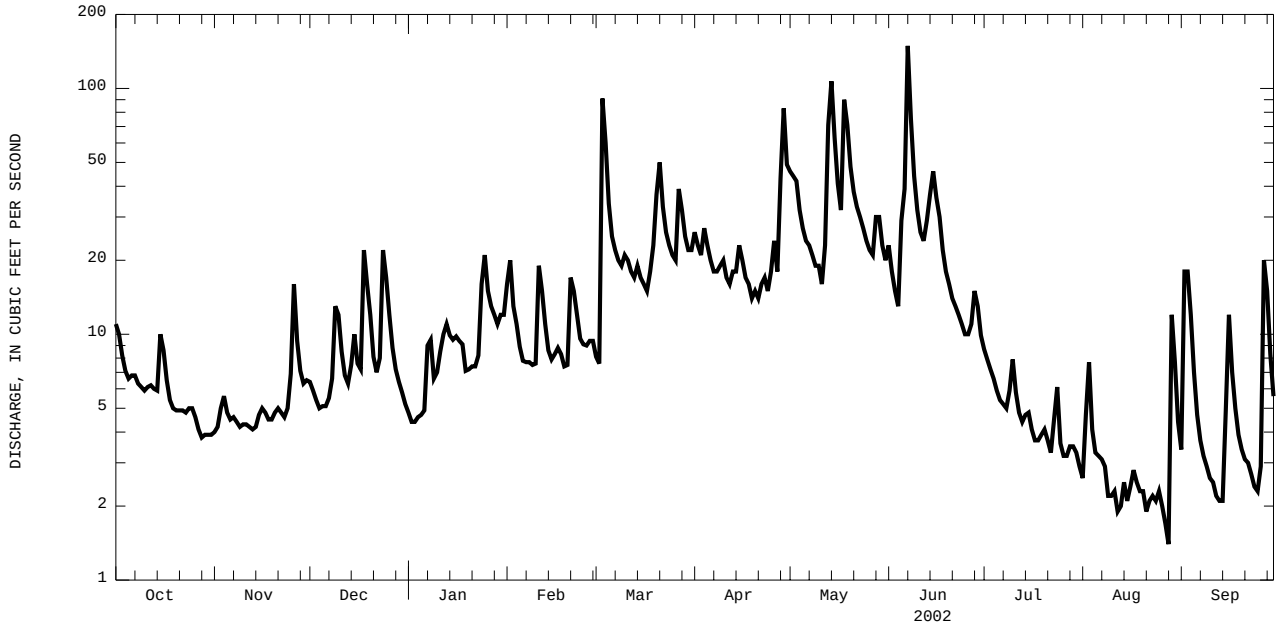
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	15.0	16.2	23.5	18.8	27.0	48.1	36.9	27.8	30.5	8.36	7.56	21.2
MAX	32.6	31.1	36.2	26.8	36.3	74.9	50.8	37.3	33.2	13.2	17.6	58.4
(WY)	2000	2000	2000	2000	2001	2001	2001	2002	2001	2000	2000	1999
MIN	6.07	5.41	9.08	9.24	10.7	26.5	22.9	18.0	28.0	3.98	3.19	6.20
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	2002	1999	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	8489.8		5156.7			
ANNUAL MEAN	23.3		14.1		22.6	
HIGHEST ANNUAL MEAN					28.3	2000
LOWEST ANNUAL MEAN					14.1	2002
HIGHEST DAILY MEAN	227	Jun 17	149	Jun 7	550	Sep 17 1999
LOWEST DAILY MEAN	3.0	Aug 9	1.4	Aug 28	1.4	Aug 28 2002
ANNUAL SEVEN-DAY MINIMUM	3.4	Aug 6	2.0	Aug 22	1.7	Aug 1 1999
ANNUAL RUNOFF (CFSM)	1.24		0.76		1.21	
ANNUAL RUNOFF (INCHES)	16.89		10.26		16.39	
10 PERCENT EXCEEDS	54		30		44	
50 PERCENT EXCEEDS	13		8.3		17	
90 PERCENT EXCEEDS	4.5		3.2		4.7	

e Estimated

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2001 to current year.
PESTICIDE DATA: 2001-02 (e).
REMARKS.--For many of the samples collected, analysis was performed using three analytical methods; method SH2010, method SH2060, and method SH2002. Because each of these methods share one or more pesticides, separate tables are provided so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Hudson NAWQA section near the end of this report. A sampling method code of 10 indicates an equal-width increment sample, 50 indicates a sample collected at one point in the cross section, 70 indicates a grab sample.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)
OCT													
15...	1000	10	70	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
NOV													
13...	0845	4.1	70	<.002	<.004	<.002	<.005	.012	<.010	<.002	<.041	<.020	<.005
26...	1345	15	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
DEC													
11...	1030	8.7	70	<.002	<.004	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005
JAN													
25...	0940	22	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
MAR													
03...	0245	28	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
03...	0800	168	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
APR													
10...	1050	20	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
15...	1130	26	50	<.006	<.006	<.004	<.005	E.005	<.010	<.002	<.041	<.020	<.005
26...	0600	26	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
29...	0115	127	50	<.006	<.006	<.004	<.005	.012	E.005	<.002	<.041	<.020	<.005
MAY													
08...	0945	21	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
13...	2215	161	50	<.006	<.006	<.004	<.005	.011	<.010	<.002	E.004	<.020	<.005
22...	1145	34	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
30...	1330	24	10	<.006	<.006	<.004	<.005	E.006	<.010	<.002	<.041	<.020	<.005
JUN													
05...	1100	53	50	<.006	<.006	<.004	<.005	.014	<.010	<.002	E.008	<.020	<.005
06...	2100	51	50	<.006	<.006	<.004	<.005	.010	<.010	<.002	E.005	<.020	<.005
07...	0445	207	50	<.006	<.006	<.004	<.005	.010	<.010	<.002	E.004	<.020	<.005
18...	1310	22	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
26...	1110	9.4	70	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
JUL													
17...	1130	3.8	10	<.006	<.006	<.004	<.005	E.007	<.010	<.002	<.041	<.020	<.005
30...	0940	3.6	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
AUG													
13...	0940	2.8	10	<.006	<.006	<.004	<.005	E.003	<.010	<.002	<.041	<.020	<.005
30...	0610	8.7	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
SEP													
11...	1000	2.6	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
16...	0210	14	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
23...	1010	2.6	10	<.006	<.006	<.004	<.005	.026	<.010	<.002	<.041	<.020	<.005

E Estimated

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Date	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
OCT													
15...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
NOV													
13...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
DEC													
11...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JAN													
25...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAR													
03...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
03...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
APR													
10...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
15...	<.018	<.003	E.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
29...	<.018	<.003	E.004	.034	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAY													
08...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
13...	<.018	<.003	E.007	E.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
30...	<.018	<.003	E.004	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUN													
05...	<.018	<.003	E.009	.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
06...	<.018	<.003	E.008	.010	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
07...	<.018	<.003	E.008	.013	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
18...	<.018	<.003	<.006	.008	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUL													
17...	<.018	<.003	E.004	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
30...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
AUG													
13...	<.018	<.003	E.002	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
30...	<.018	<.003	<.006	E.004	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
SEP													
11...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
16...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027

E Estimated

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Date	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)
OCT													
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01
NOV													
13...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01
DEC													
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	M
JAN													
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
MAR													
03...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
03...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
APR													
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
15...	<.050	<.006	E.008	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
29...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
MAY													
08...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
13...	<.050	<.006	E.004	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
JUN													
05...	<.050	<.006	.018	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
06...	<.050	<.006	E.009	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
07...	<.050	<.006	E.008	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
JUL													
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
AUG													
13...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
SEP													
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
16...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01

M Presence verified, not quantified
E Estimated

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Date	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT											
15...	<.004	<.010	<.011	<.02	.057	<.02	<.034	<.02	<.005	<.002	<.009
NOV											
13...	<.004	<.010	<.011	<.02	1.47	<.02	<.034	<.02	<.005	<.002	<.009
26...	<.004	<.010	<.011	<.02	.378	<.02	<.034	<.02	<.005	<.002	<.009
DEC											
11...	<.004	<.010	<.011	<.02	.304	<.02	<.034	<.02	<.005	<.002	<.009
JAN											
25...	<.004	<.010	<.011	<.02	.048	<.02	<.034	<.02	<.005	<.002	<.009
MAR											
03...	<.004	<.010	<.011	<.02	.057	<.02	<.034	<.02	<.005	<.002	<.009
03...	<.004	<.010	<.011	<.02	.010	<.02	<.034	<.02	<.005	<.002	<.009
APR											
10...	<.004	<.010	<.011	<.02	.047	<.02	<.034	<.02	<.005	<.002	<.009
15...	<.004	<.010	<.011	<.02	.034	<.02	<.034	<.02	<.005	<.002	<.009
26...	<.004	<.010	<.011	<.02	.038	<.02	<.034	<.02	<.005	<.002	<.009
29...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.007
MAY											
08...	<.004	<.010	<.011	<.02	.045	<.02	<.034	<.02	<.005	<.002	<.009
13...	<.004	<.010	<.011	<.02	.007	<.02	<.034	<.02	<.005	<.002	E.003
22...	<.004	<.010	<.011	<.02	.048	<.02	<.034	<.02	<.005	<.002	<.009
30...	<.004	<.010	<.011	<.02	.045	<.02	<.034	<.02	<.005	<.002	<.009
JUN											
05...	<.004	<.010	<.011	<.02	.032	<.02	<.034	<.02	<.005	<.002	E.005
06...	<.004	<.010	<.011	<.02	.041	<.02	<.034	<.02	<.005	<.002	<.009
07...	<.004	<.010	<.011	<.02	.008	<.02	<.034	<.02	<.005	<.002	E.004
18...	<.004	<.010	<.011	<.02	.088	<.02	<.034	<.02	<.005	<.002	<.009
26...	<.004	<.010	<.011	<.02	.070	<.02	<.034	<.02	<.005	<.002	<.009
JUL											
17...	<.004	<.010	<.011	<.02	.214	<.02	<.034	<.02	<.005	<.002	<.009
30...	<.004	<.010	<.011	<.02	.053	<.02	<.034	<.02	<.005	<.002	<.009
AUG											
13...	<.004	<.010	<.011	<.02	.056	<.02	<.034	<.02	<.005	<.002	<.009
30...	<.004	<.010	<.011	<.02	.010	<.02	<.034	<.02	<.005	<.002	<.009
SEP											
11...	<.004	<.010	<.011	<.02	.047	<.02	<.034	<.02	<.005	<.002	<.009
16...	<.004	<.010	<.011	<.02	.013	<.02	<.034	<.02	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.02	4.32	<.02	<.034	<.02	<.005	<.002	<.009

E Estimated

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)
OCT													
15...	1005	10	70	<.009	<.02	<.02	<.006	<2	<.007	E.01	<.008	<.04	<.009
NOV													
13...	0850	4.1	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.005
26...	1350	15	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
DEC													
11...	1035	8.7	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
JAN													
25...	0945	22	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
MAR													
03...	0250	28	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
03...	0805	168	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
APR													
10...	1055	20	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
15...	1135	26	50	<.009	.04	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
26...	0605	26	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
29...	0120	127	50	<.009	.05	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.006
MAY													
08...	0950	21	10	<.009	E.01	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
13...	2220	161	50	<.009	.08	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.007
30...	1335	24	10	<.009	E.01	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
JUN													
05...	1105	53	50	<.009	.35	<.02	<.006	<2	<.007	<.02	<.008	<.04	.010
06...	2105	51	50	<.009	.10	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.005
07...	0450	207	50	<.009	.06	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.006
18...	1315	22	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
26...	1115	9.4	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
JUL													
17...	1135	3.8	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
30...	0945	3.6	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
AUG													
13...	0945	2.8	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
30...	0615	8.7	50	<.009	.05	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
SEP													
11...	1005	2.6	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
16...	0220	14	50	<.009	E.20	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
23...	1020	2.6	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.012

E Estimated

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)
OCT													
15...	<.03	.039	<.02	<.01	<.03	<.02	E.251	<.03	<.006	<.02	<.010	<.04	<.01
NOV													
13...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
26...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
DEC													
11...	<.03	.029	<.02	E.01	<.03	<.02	.043	<.03	<.006	<.02	<.010	E.59	<.01
JAN													
25...	<.03	.013	<.02	<.01	<.03	<.02	.013	<.03	<.006	<.02	<.010	<.04	<.01
MAR													
03...	<.03	<.004	<.02	<.01	<.03	<.02	.183	<.03	<.006	<.02	<.010	<.04	<.01
03...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
APR													
10...	<.03	<.004	<.02	<.01	<.03	<.02	.018	<.03	<.006	<.02	<.010	<.04	<.01
15...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
26...	<.03	<.004	<.02	<.01	<.03	<.02	.019	<.03	<.006	<.02	<.010	<.04	<.01
29...	<.03	<.004	<.02	<.01	<.03	<.02	.040	<.03	<.006	<.02	<.010	<.04	<.01
MAY													
08...	<.03	<.004	<.02	<.01	<.03	<.02	E.004	<.03	<.006	<.02	<.010	<.04	<.01
13...	<.03	<.004	<.02	<.01	<.03	<.02	.030	<.03	<.006	<.02	<.010	<.04	<.01
30...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
JUN													
05...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	M	<.006	<.02	<.010	<.04	<.01
06...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
07...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
18...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	E.01
26...	<.03	.007	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
JUL													
17...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
30...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
AUG													
13...	<.03	E.005	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
30...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
SEP													
11...	<.03	<.004	<.02	<.01	<.03	<.02	.022	<.03	<.006	<.02	<.010	<.04	<.01
16...	<.03	<.004	<.02	<.01	<.03	<.02	.051	<.03	<.006	<.02	<.010	<.04	<.01
23...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01

E Estimated
M Presence verified, not quantified

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)
OCT													
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
NOV													
13...	<.01	<.01	<.03	<.01	E.08	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
26...	<.01	<.01	<.03	<.01	E.03	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
DEC													
11...	<.01	<.01	<.03	<.01	E.03	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
JAN													
25...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
MAR													
03...	<.01	<.01	<.03	<.01	<.04	<.01	E.01	<.01	<.03	<.01	<.03	<.01	<.03
03...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
APR													
10...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
26...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
29...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.01	<.03
MAY													
08...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
13...	<.01	<.01	E.01	<.01	E.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
30...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
JUN													
05...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
06...	<.01	<.01	<.03	E.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
07...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
18...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
26...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
JUL													
17...	<.01	<.01	<.03	<.01	E.50	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
30...	<.01	<.01	<.03	<.01	E.09	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
AUG													
13...	<.01	<.01	<.03	<.01	E.09	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
30...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
SEP													
11...	<.01	<.01	<.03	<.01	E.08	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
16...	<.01	<.01	<.03	<.01	E.02	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
23...	<.01	<.01	<.03	<.01	E.18	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03

E Estimated

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)
OCT													
15...	<.008	E.03	<.02	<.007	<.01	<.02	<.01	E.02	<.008	<.004	E.09	<.01	<.01
NOV													
13...	E.008	<.02	<.02	<.007	<.01	<.02	<.01	.03	<.008	<.004	<.03	<.01	<.01
26...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.02	<.008	<.004	--	<.01	<.01
DEC													
11...	<.008	<.02	E.01	<.007	<.01	<.02	<.01	E.02	<.008	<.004	<.03	<.01	<.01
JAN													
25...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
MAR													
03...	<.008	E.12	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	E.05	<.01	<.01
03...	<.008	E.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
APR													
10...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
15...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	M	<.008	<.004	<.03	<.01	<.01
26...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
29...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
MAY													
08...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	M	<.008	<.004	<.03	<.01	<.01
13...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
30...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
JUN													
05...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
06...	<.008	<.02	<.02	<.007	<.01	.06	<.01	E.01	<.008	<.004	<.03	<.01	<.01
07...	<.008	E.02	<.02	.188	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
18...	<.008	<.02	<.02	.011	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
26...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	E.14	<.01	<.01
JUL													
17...	E.015	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	E.22	<.01	<.01
30...	E.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
AUG													
13...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	.03	<.008	<.004	E1.00	<.01	<.01
30...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	.02	<.008	<.004	<.03	<.01	<.01
SEP													
11...	E.015	<.02	<.02	<.007	<.01	<.02	<.01	.02	<.008	<.004	E.71	<.01	<.01
16...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
23...	E.018	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01

E Estimated
M Presence verified, not quantified

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
OCT													
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	E.004	<.010	<.02	<.02
NOV													
13...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
26...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
DEC													
11...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
JAN													
25...	<.02	<.02	<.01	<.02	<.010	<.01	<.008	<.02	<.009	<.006	<.010	<.02	<.02
MAR													
03...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
03...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
APR													
10...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
26...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
29...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	.020	<.006	<.010	<.02	<.02
MAY													
08...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
13...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.06	<.009	<.006	<.010	<.02	<.02
30...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	M	<.009	<.006	<.010	<.02	<.02
JUN													
05...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
06...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.02	<.009	<.006	<.010	<.02	<.02
07...	<.02	<.02	<.01	<.02	<.010	.03	<.008	.02	<.009	<.006	<.010	<.02	<.02
18...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	M	<.009	<.006	<.010	<.02	<.02
26...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
JUL													
17...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
30...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
AUG													
13...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
30...	<.02	<.02	<.01	<.02	<.010	E.01	<.008	<.02	<.009	<.006	<.010	<.02	<.02
SEP													
11...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
16...	<.02	<.02	<.01	<.02	<.010	E.01	<.008	<.02	<.009	<.006	<.010	<.02	<.02
23...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02

METHOD SH2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	1,4-NAPTHO QUINON WATER FLTRD REC (UG/L) (61611)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	2(4TERT BUTYL-PHENOXY CYCLO-HEXANOL FLT REC (UG/L) (61637)	2,5-DI-CHLORO-ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2-ETHYL-6-METHY —PANOL WAT FLT REC (UG/L) (61615)	2AMINON ISOPROP PYLBEN ZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO -2,6-DIETHYL ACET-ANILIDE FLT REC (UG/L) (61618)	4CHLORO 2-METH-YL-PHENOL WAT FLT REC (UG/L) (61633)	4CHLORO BENZYL METHYL SULFONE WAT FLT REC (UG/L) (61634)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)
DEC													
11...	1040	8.7	70	<.05	<.09	<.01	<.03	<.1	<.005	<.005	<.006	<.03	<.004

Date	ANILINE 3,4-DI-CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI-CHLORO WATER FLTRD REC (UG/L) (61627)	ANILINE 3-TRI-FLUORO-METHYL WAT FLT REC (UG/L) (61630)	AZIN-PHOS-METHYL-OXON WAT FLT REC (UG/L) (61635)	BENZO-PHENONE 4,4-DI-CHLORO WAT FLT REC (UG/L) (61631)	BENZYL ALCOHOL 3-PHEN-OXY WAT FLT REC (UG/L) (61629)	BI-FENTH-RIN WATER FLTRD REC (UG/L) (61580)	CHLOR-PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	CIS-CARBOX-YATE WATER FLTRD REC (UG/L) (79842)	CIS-PROPI-CONAZ-OLE WAT FLT REC (UG/L) (79846)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	CY-FLUTH-RIN WATER FLTRD REC (UG/L) (61585)	CYPER-METHRIN WATER FLTRD REC (UG/L) (61586)
DEC													
11...	.025	<.005	<.01	<.02	<.003	<.05	<.005	<.06	<.04	E.005	<.005	<.008	<.009

Date	DICROT-OPHOS WATER FLTRD REC (UG/L) (38454)	DIMETH-OATE WATER FLTRD 0.7 U GF, REC (UG/L) (82662)	DISULF-OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF-OTON SULF-OXIDE WAT FLT REC (UG/L) (61641)	E-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79844)	ENDO-SULFAN ALPHA DISSOLV (UG/L) (34362)	ENDO-SULFAN BETA DISSOLV (UG/L) (34357)	ENDO-SULFAN ETHER WATER FLTRD REC (UG/L) (61642)	ENDO-SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	ETHION DISSOLV (UG/L) (82346)	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI-PHOS SULFONE WATER FLTRD REC (UG/L) (61645)	FENAMI-PHOS SULF-OXIDE WAT FLT REC (UG/L) (61646)
DEC													
11...	<.08	<.006	<.02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03

E Estimated
M Presence verified, not quantified

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2002--Continued

Date	FENAMI-PHOS WATER FLTRD REC (UG/L) (61591)	FEN-THION SULF-OXIDE WAT FLT REC (UG/L) (61647)	FEN-THION WATER FLTRD (UG/L) (38801)	FLUME-TRALIN WATER FLTRD REC (UG/L) (61592)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	HEXA-ZINONE, WATER, DISS, REC (UG/L) (04025)	HYDROXY METHYL-PENDI-METH-LION FLT REC (UG/L) (61665)	IPRO-DIONE WATER FLTRD REC (UG/L) (61593)	ISOFEN-PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA-CYHALO-THRIN WATER FLTRD REC (UG/L) (61595)	MALA-OXON WATER FLTRD REC (UG/L) (61652)	META-LAXYL WATER FLTRD REC (UG/L) (61596)	METHI-DATHION WATER FLTRD REC (UG/L) (61598)
DEC 11...	<.03	<.008	<.02	<.004	<.002	<.013	<.1	<1	<.003	<.009	<.008	.009	<.006

Date	MYCLO-BUTANIL WATER FLTRD REC (UG/L) (61599)	O-ETHYL O-METHY S-PROPY —HIOATE WAT FLT REC (UG/L) (61660)	OXY-FLUOR-FEN WATER FLTRD REC (UG/L) (61600)	PARA-OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA-OXON METHYL WATER FLTRD REC (UG/L) (61664)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	PHOSMET WATER FLTRD REC (UG/L) (61601)	PHOSTE-BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO-FENOFOS WATER FLTRD REC (UG/L) (61603)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	PROPET-AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO-TEPP WATER FLTRD REC (UG/L) (61605)
DEC 11...	<.008	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006	<.005	<.004	<.003

Date	SUL-PROFOS WATER FLTRD REC (UG/L) (38716)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)	TEFLU-THRIN METAB-OLITE R119364 FLT REC (UG/L) (61671)	TEFLU-THRIN METAB-OLITE R152912 FLT REC (UG/L) (61672)	TEFLU-THRIN WATER FLTRD REC (UG/L) (61606)	TEME-PHOS WATER FLTRD REC (UG/L) (61607)	TER-BUFOS O-ANA-LOGUE WAT FLT REC (UG/L) (61674)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	TRANS-CARBOX-YATE WATER FLTRD REC (UG/L) (79843)	TRANS-PROPI-CONA-ZOLE WAT FLT REC (UG/L) (79847)	TRIBU-PHOS WATER FLTRD REC (UG/L) (61610)	Z-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79845)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)
DEC 11...	<.02	<.006	<.02	<.01	<.008	<.3	<.07	E.01	<.03	M	<.004	<.05	<.01

E Estimated
M Presence verified, not quantified

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY
(National water-quality assessment program station)

LOCATION.--Lat 41°14'45", long 73°41'06", Westchester County, Hydrologic Unit 02030101, at bridge on northbound ramp to Sawmill Parkway near the intersection of Railroad Avenue and Harris Road, 0.2 mi east of Bedford Hills.
DRAINAGE AREA.--1.21 mi^2.
PERIOD OF RECORD.--March 2001 to current year.
PESTICIDE DATA: 2001-02 (e).
REMARKS.--For many of the samples collected, analysis was performed using three analytical methods; method SH2010, method SH2060, and method SH2002. Because each of these methods share one or more pesticides, separate tables are provided so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Hudson NAWQA section near the end of this report. A sampling method code of 10 indicates an equal-width increment sample, 50 indicates a sample collected at one point in the cross section, 70 indicates a grab sample.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)
OCT													
15...	1030	2.2	70	<.002	<.004	<.002	<.005	<.010	<.010	<.002	E.030	<.020	<.005
NOV													
13...	0925	2.8	70	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
25...	1915	2.3	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.027	<.020	<.005
25...	2000	3.4	50	<.002	<.004	<.002	<.005	.013	<.010	<.002	E.117	<.020	<.005
25...	2015	9.5	50	<.002	<.004	<.002	<.005	.011	<.010	<.002	E.103	<.020	<.005
25...	2200	16	50	<.002	<.004	<.002	<.005	<.010	<.010	<.002	E.085	<.020	<.005
DEC													
11...	0955	.97	70	<.002	<.004	<.002	<.005	E.004	<.010	<.002	E.004	<.020	<.005
24...	0210	E20	50	<.002	<.004	<.002	<.005	<.007	E.004	<.002	E.027	<.020	<.005
JAN													
25...	0855	1.5	70	<.006	<.006	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005
MAR													
04...	1415	2.1	70	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.004	<.020	<.005
APR													
10...	0845	1.5	70	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.006	<.020	<.005
15...	0145	13	50	<.006	<.006	<.004	<.005	.039	.027	<.002	E.069	<.020	<.005
25...	1600	12	50	<.006	<.006	<.004	<.005	.015	.011	<.002	E.086	<.020	<.005
28...	2115	33	50	<.006	<.006	<.004	<.005	.026	E.009	<.002	E.069	<.020	<.005
MAY													
08...	1145	1.6	70	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.012	<.020	<.005
12...	1630	24	50	<.006	<.006	<.004	<.005	.049	E.006	<.002	E.036	<.020	<.005
13...	1645	29	50	<.006	<.006	<.004	<.005	.013	E.008	<.002	E.022	<.020	<.005
30...	1245	1.5	70	<.006	<.006	<.004	<.005	E.006	<.010	<.002	<.041	<.020	<.005
JUN													
05...	0600	22	50	<.006	<.006	<.004	<.005	.073	<.010	<.002	E.067	<.020	<.005
05...	0645	20	50	<.006	<.006	<.004	<.005	.072	<.010	<.002	E.069	<.020	<.005
06...	2245	30	50	<.006	<.006	<.004	<.005	E.006	<.010	<.002	E.020	<.020	<.005
07...	0345	8.2	50	<.006	<.006	<.004	<.005	.007	<.010	<.002	E.016	<.020	<.005
12...	1730	14	50	<.006	<.006	<.004	<.005	.024	<.010	<.002	13.7	<.020	<.005
14...	1500	18	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.864	<.020	<.005
18...	1045	1.7	70	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.006	<.020	<.005
26...	1030	1.4	70	<.006	<.006	<.004	<.005	E.005	<.010	<.002	E.005	<.020	<.005
26...	1630	5.9	50	<.006	<.006	<.004	<.005	.087	<.010	<.002	E.368	<.020	<.005
26...	1730	12	50	<.006	<.006	<.004	<.005	.034	<.010	<.002	E.448	<.020	<.005
JUL													
16...	1220	.82	10	<.006	<.006	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005
23...	1830	15	50	<.006	<.006	<.004	<.005	.011	<.010	<.002	E8.23	<.020	<.005
30...	0900	.78	70	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
AUG													
02...	1745	21	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.332	<.020	<.005
13...	1000	.42	70	<.006	<.006	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005
20...	0745	4.7	50	<.006	<.006	.009	<.005	<.007	<.010	<.002	E.110	<.020	<.005
29...	1015	14	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.065	<.020	<.005
30...	0535	1.2	50	<.006	<.006	<.004	<.005	E.003	<.010	<.002	E.004	<.020	<.005
*30...	0550	1.2	10	<.006	<.006	<.004	<.005	E.003	<.010	<.002	<.041	<.020	<.005
SEP													
02...	1215	7.7	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.021	<.020	<.005
11...	0930	.73	10	<.006	<.006	<.004	<.005	E.003	<.010	<.002	<.041	<.020	<.005
15...	1530	14	50	<.006	<.006	<.004	<.005	<.007	E.009	<.002	E.024	<.020	<.005
15...	1630	32	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.045	<.020	<.005
15...	1740	4.6	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.043	<.020	<.005
23...	1110	.57	10	<.006	<.006	<.004	<.005	E.004	<.010	<.002	E.015	<.020	<.005
27...	0830	22	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.127	<.020	<.005

E Estimated
* Replicate

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Date	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
OCT													
15...	<.018	<.003	<.006	<.010	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
NOV													
13...	<.018	<.003	E.004	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
25...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.030
25...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.051
25...	<.018	<.003	<.006	<.030	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.038
25...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.029
DEC													
11...	<.018	<.003	E.004	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
24...	<.018	<.003	<.006	.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.039
JAN													
25...	<.018	<.003	E.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAR													
04...	<.018	<.003	E.004	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
APR													
10...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
15...	<.018	<.003	E.021	.024	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.055
25...	<.018	.008	E.006	.062	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.062
28...	<.018	<.003	E.005	.114	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.031
MAY													
08...	<.018	<.003	E.004	E.004	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
12...	<.018	E.002	E.011	.014	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
13...	<.018	E.002	E.012	.022	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
30...	<.018	<.003	E.006	E.004	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUN													
05...	<.018	<.003	E.026	.318	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
05...	<.018	<.003	E.028	.427	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	E.020
06...	<.018	<.003	E.005	.065	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
07...	<.018	<.003	E.007	.025	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
12...	<.018	<.003	E.013	.145	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	1.10
14...	<.018	<.003	<.006	.127	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.101
18...	<.018	<.003	<.006	.007	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	E.007	E.003	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	E.013	.034	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.052
26...	<.018	<.003	E.012	.043	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.063
JUL													
16...	<.018	<.003	E.008	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	<.006	.016	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	1.44
30...	<.018	<.003	E.005	E.003	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
AUG													
02...	<.018	<.003	<.006	.095	<.005	<.02	.043	<.009	<.005	<.003	<.004	<.035	.049
13...	<.018	<.003	E.004	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
20...	<.018	<.003	<.006	.019	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.030
29...	<.018	<.003	<.006	.033	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.031
30...	<.018	<.003	E.003	.006	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
*30...	<.018	<.003	E.003	E.004	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
SEP													
02...	<.018	<.003	<.006	.059	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	E.023
11...	<.018	<.003	E.004	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
15...	<.018	<.003	<.006	.006	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
15...	<.018	<.003	<.006	.108	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	E.054
15...	<.018	<.003	<.006	.084	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.027
23...	<.018	<.003	E.005	.011	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
27...	<.018	<.003	<.006	.029	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.064

E Estimated
* Replicate

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Date	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)
OCT													
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.01
NOV													
13...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.02
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.04
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.02
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.02
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.01
DEC													
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.02
24...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.01
JAN													
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
MAR													
04...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
APR													
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	.026	<.006	<.011	.02
15...	<.050	<.050	.023	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
28...	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
MAY													
08...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
12...	<.050	<.006	E.004	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.08
13...	<.050	<.006	E.003	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.04
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
JUN													
05...	<.050	<.006	.080	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.13
05...	<.050	<.006	.063	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.04
06...	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
07...	<.050	<.006	E.006	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
12...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
14...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.08
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.04
JUL													
16...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.04
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
AUG													
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
13...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
20...	<.050	<.006	<.013	<.020	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.09
29...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.06
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
*30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
SEP													
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.06
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.03
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.05
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01

E Estimated
* Replicate

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Date	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT											
15...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
NOV											
13...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
25...	<.004	<.010	<.011	<.02	<.011	<.05	<.034	<.02	<.005	<.002	<.009
25...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
25...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
25...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
DEC											
11...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
24...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	E.003
JAN											
25...	<.004	<.010	<.011	<.02	<.010	<.02	<.034	<.02	<.005	<.002	<.009
MAR											
04...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
APR											
10...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.005
15...	<.004	<.010	<.011	<.02	.012	<.02	<.034	<.02	<.005	<.002	.022
25...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	.009
28...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	.011
MAY											
08...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
12...	<.004	<.010	<.011	<.02	.012	<.02	<.034	<.02	<.005	<.002	E.007
13...	<.004	<.010	<.011	<.02	.006	<.02	<.034	<.02	<.005	<.002	E.007
30...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
JUN											
05...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.006
05...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.007
06...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
07...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.005
12...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
14...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
18...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
26...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
26...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
26...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
JUL											
16...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
30...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
AUG											
02...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
13...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
20...	<.004	<.010	<.011	<.02	<.005	<.05	<.034	<.02	<.005	<.002	E.004
29...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.003
30...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
*30...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
SEP											
02...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.003
11...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
15...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.006
15...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
15...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
27...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009

E Estimated
* Replicate

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)
OCT													
15...	1035	2.2	70	<.009	.06	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
NOV													
13...	0930	2.8	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
25...	1920	2.3	50	<.009	.34	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
25...	2005	3.4	50	<.009	.43	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.007
25...	2020	9.5	50	<.009	.55	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.006
25...	2205	16	50	<.009	.41	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.005
DEC													
11...	1000	.97	70	<.009	E.03	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
24...	0215	E20	50	<.009	.28	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
JAN													
25...	0900	1.5	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
MAR													
04...	1420	2.1	70	<.009	E.01	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
APR													
10...	0850	1.5	70	<.009	.14	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
15...	0150	13	50	<.009	.59	<.02	<.006	<2	<.007	<.02	<.008	<.04	.016
25...	1605	12	50	<.009	E.50	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
28...	2120	33	50	<.009	.83	<.02	<.006	<2	<.007	<.02	<.008	<.04	.012
MAY													
08...	1150	1.6	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
12...	1635	24	50	<.009	.94	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.035
13...	1650	29	50	<.009	E1.33	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.007
30...	1250	1.5	70	<.009	.03	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
JUN													
05...	0605	22	50	<.009	E1.06	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
05...	0650	20	50	<.009	.79	<.02	<.006	<2	<.007	<.02	<.008	<.04	.031
06...	1935	9.8	50	<.009	.94	<.02	<.006	<2	<.007	<.02	<.008	<.04	.010
06...	2250	30	50	.139	E1.05	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
07...	0350	8.2	50	.053	.43	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
12...	1735	14	50	E.271	E5.28	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
14...	1505	18	50	E.024	E3.76	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
18...	1050	1.7	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
26...	1035	1.4	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
26...	1635	5.9	50	E.233	E2.76	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.033
26...	1735	12	50	<.009	E1.48	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
JUL													
16...	1225	.82	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
23...	1835	15	50	<.009	.60	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
30...	0905	.78	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
AUG													
02...	1750	21	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
13...	1005	.42	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
20...	0750	4.7	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
29...	1020	14	50	<.009	.14	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
30...	0540	1.2	50	<.009	.04	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
*30...	0555	1.2	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
SEP													
02...	1220	7.7	50	<.009	.09	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
11...	0935	.73	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
15...	1540	14	50	E.100	E1.54	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
15...	1640	32	50	<.009	E.46	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
15...	1750	4.6	50	<.009	E.29	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
23...	1120	.57	10	E.060	.33	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
27...	0835	22	50	<.009	.47	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009

E Estimated
* Replicate

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)
OCT													
15...	<.03	<.004	<.02	<.01	<.03	<.02	E.175	E.01	<.006	<.02	<.010	<.04	<.01
NOV													
13...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
25...	<.03	<.004	<.02	E.01	<.03	<.02	E.215	<.03	<.006	<.02	<.010	<.04	<.01
25...	<.03	<.004	<.02	<.01	<.03	<.02	E.798	E.06	<.006	<.02	<.010	<.04	<.01
25...	<.03	<.004	<.02	<.01	<.03	<.02	E.484	E.04	<.006	<.02	<.010	<.04	<.01
25...	<.03	<.004	<.02	<.01	<.03	<.02	E.443	E.04	<.006	<.02	<.010	<.04	<.01
DEC													
11...	<.03	<.004	<.02	<.01	<.03	<.02	.067	<.03	<.006	<.02	<.010	<.04	<.01
24...	<.03	<.004	<.02	<.01	<.03	<.02	E1.28	E.01	<.006	<.02	<.010	E.59	<.01
JAN													
25...	<.03	<.004	<.02	<.01	<.03	<.02	.085	<.03	<.006	<.02	<.010	<.04	<.01
MAR													
04...	<.03	<.004	<.02	<.01	<.03	<.02	.205	<.03	<.006	<.02	<.010	<.04	<.01
APR													
10...	<.03	<.004	<.02	<.01	<.03	<.02	.074	<.03	<.006	<.02	<.010	<.04	<.01
15...	<.03	<.004	<.02	<.01	<.03	<.02	E1.92	E.02	<.006	<.02	<.010	<.04	<.01
25...	<.03	.150	<.02	<.01	<.03	<.02	.950	E.01	<.006	<.02	<.010	<.04	<.01
28...	<.03	<.004	<.02	<.01	<.03	<.02	.108	E.01	<.006	<.02	<.010	<.04	<.01
MAY													
08...	<.03	<.004	<.02	<.01	<.03	<.02	.031	M	<.006	<.02	<.010	<.04	<.01
12...	<.03	<.004	<.02	<.01	<.03	<.02	E.365	E.01	<.006	<.02	<.010	<.04	<.01
13...	<.03	<.004	<.02	<.01	<.03	<.02	.297	E.01	<.006	<.02	<.010	<.04	<.01
30...	<.03	<.004	<.02	<.01	<.03	<.02	.051	<.03	<.006	<.02	<.010	<.04	<.01
JUN													
05...	<.03	<.004	<.02	<.01	<.03	<.02	E2.50	<.03	<.006	<.02	<.010	<.04	<.01
05...	<.03	.019	<.02	<.01	<.03	<.02	.680	E.02	<.006	<.02	<.010	<.04	<.01
06...	<.03	.076	<.02	<.01	<.03	<.02	<.010	E.03	<.006	<.02	<.010	<.04	<.01
06...	<.03	.027	<.02	<.01	<.03	<.02	<.010	E.01	<.006	<.02	<.010	<.04	<.01
07...	<.03	.012	<.02	E.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
12...	<.03	<.004	<.02	<.01	<.03	<.02	E1.48	E6.03	<.006	<.02	<.010	<.04	<.01
14...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	E.14	<.006	<.02	<.010	<.04	<.01
18...	<.03	<.004	<.02	<.01	<.03	<.02	.060	M	<.006	<.02	<.010	<.04	<.01
26...	<.03	<.004	<.02	<.01	<.03	<.02	.029	<.03	<.006	<.02	<.010	<.04	<.01
26...	<.03	E.340	<.02	<.01	<.03	<.02	E9.54	E.10	<.006	<.02	<.010	<.04	<.01
26...	<.03	<.004	<.02	<.01	<.03	<.02	E1.57	E.11	<.006	<.02	<.010	<.04	<.01
JUL													
16...	<.03	<.004	<.02	<.01	<.03	<.02	E.018	<.03	<.006	<.02	<.010	<.04	.03
23...	<.03	E.133	<.02	<.01	<.03	<.02	E2.16	E4.75	<.006	<.02	<.010	<.04	<.01
30...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
AUG													
02...	<.03	E.552	<.02	<.01	<.03	<.02	E7.62	E.08	<.006	<.02	<.010	<.04	<.01
13...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
20...	<.03	<.004	<.02	<.01	<.03	<.02	E4.81	<.03	<.006	<.02	<.010	<.04	<.01
29...	<.03	<.004	<.02	<.01	<.03	<.02	E11.9	E.02	<.006	<.02	<.010	<.04	<.01
30...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
*30...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
SEP													
02...	<.03	<.004	<.02	<.01	<.03	<.02	E.264	<.03	<.006	<.02	<.010	<.04	<.01
11...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	.12
15...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	E.01	<.006	<.02	<.010	<.04	<.01
15...	<.03	<.004	<.02	<.01	<.03	<.02	E.581	E.01	<.006	<.02	<.010	<.04	<.01
15...	<.03	<.004	<.02	<.01	<.03	<.02	E.503	E.01	<.006	<.02	<.010	<.04	<.01
23...	<.03	<.004	<.02	<.01	<.03	<.02	E1.11	<.03	<.006	<.02	<.010	<.04	<.01
27...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	.03	<.006	<.02	<.010	<.04	<.01

E Estimated
M Presence verified, not quantified
* Replicate

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)
OCT													
15...	<.01	<.01	<.03	E.01	<.04	<.01	<.01	<.01	E.01	<.01	<.03	<.01	<.03
NOV													
13...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
25...	<.01	<.01	<.03	<.01	<.04	<.01	.07	<.01	<.03	<.01	<.03	<.01	<.03
25...	<.01	<.01	<.03	<.01	<.04	<.01	.07	<.01	E.03	<.01	<.03	<.01	<.03
25...	<.01	<.01	<.03	<.01	<.04	<.01	.07	<.01	E.03	<.01	<.03	<.01	<.03
25...	<.01	<.01	<.03	<.01	<.04	<.01	.07	<.01	E.04	<.01	<.03	<.01	<.03
DEC													
11...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
24...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
JAN													
25...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
MAR													
04...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
APR													
10...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
25...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E6.70	<.03	<.01	<.03
28...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E3.30	<.03	<.01	<.03
MAY													
08...	<.01	<.01	<.03	M	<.04	<.01	<.01	<.01	<.03	.03	<.03	<.01	<.03
12...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.87	<.03	<.01	<.03
13...	<.01	<.01	E.01	<.01	<.04	<.01	<.01	<.01	<.03	.42	<.03	<.01	<.03
30...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.03	<.03	<.01	<.03
JUN													
05...	<.01	<.01	<.03	E.07	<.04	<.01	.13	<.01	<.03	E.05	<.03	<.01	<.03
05...	<.01	<.01	E.03	E.03	<.04	<.01	.04	<.01	<.03	E.13	<.03	<.01	<.03
06...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.07	<.03	<.01	E.01
06...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.09	<.03	<.01	<.03
07...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.04	<.03	<.01	<.03
12...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.07	<.03	<.01	<.03
14...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.03	<.03	<.01	<.03
18...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.01	<.03
26...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
26...	<.01	<.01	<.03	<.01	<.04	<.01	.23	<.01	<.03	<.01	<.03	<.01	<.03
26...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.08	<.03	<.01	<.03
JUL													
16...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.01	<.03
23...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.25	<.03	<.01	<.03
30...	<.01	<.01	M	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.01	<.03
AUG													
02...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.28	<.03	<.01	<.03
13...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
20...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
29...	<.01	<.01	<.03	<.01	<.04	.11	<.01	<.01	<.03	E.05	<.03	<.01	<.03
30...	<.01	<.01	<.03	<.01	<.04	.11	<.01	<.01	<.03	<.01	<.03	<.01	<.03
*30...	<.01	<.01	<.03	<.01	<.04	.11	<.01	<.01	<.03	<.01	<.03	<.01	<.03
SEP													
02...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.04	<.03	<.01	<.03
11...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.04	<.03	<.01	<.03
23...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
27...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.01	<.03

E Estimated
M Presence verified, not quantified
* Replicate

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)
OCT													
15...	<.008	E.20	<.02	<.007	<.01	M	<.01	E.01	<.008	<.004	E.07	<.01	<.01
NOV													
13...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
25...	<.008	E2.65	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	--	<.01	<.01
25...	<.008	E6.58	<.02	E.146	<.01	<.02	<.01	<.02	<.008	<.004	--	<.01	<.01
25...	<.008	E6.17	<.02	E.139	<.01	<.02	<.01	<.02	<.008	<.004	--	<.01	<.01
25...	<.008	E4.82	<.02	E.112	<.01	<.02	<.01	<.02	<.008	<.004	--	<.01	<.01
DEC													
11...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
24...	<.008	E4.35	<.02	E.128	<.01	<.02	<.01	<.02	<.008	<.004	E.19	<.01	<.01
JAN													
25...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	M	<.008	<.004	<.03	<.01	<.01
MAR													
04...	<.008	E.01	E.01	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
APR													
10...	<.008	<.02	<.02	.036	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
15...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
25...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
28...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
MAY													
08...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
12...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
13...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
30...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
JUN													
05...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
05...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
06...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
06...	<.008	<.02	<.02	.226	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
07...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
12...	<.008	<.02	<.02	E.407	<.01	.09	<.01	<.02	<.008	<.004	<.03	<.01	<.01
14...	<.008	<.02	<.02	E.214	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
18...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
26...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
26...	<.008	<.02	<.02	E.423	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
26...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
JUL													
16...	<.008	<.02	<.02	.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
23...	<.008	<.02	--	E.660	<.01	<.02	<.01	<.02	<.008	<.004	E.06	<.01	<.01
30...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
AUG													
02...	<.008	<.02	<.02	E.812	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
13...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
20...	<.008	E6.87	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	E1.38	<.01	<.01
29...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	E.02	<.01	<.01
30...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
*30...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
SEP													
02...	<.008	E.34	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
11...	<.008	<.02	<.02	.104	<.01	<.02	<.01	M	<.008	<.004	<.03	<.01	<.01
15...	<.008	<.02	<.02	E.097	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
15...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
15...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
23...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
27...	<.008	<.02	<.02	E.064	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01

E Estimated
M Presence verified, not quantified
* Replicate

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPICONAZOLE , WATER FLTRD REC (UG/L) (50471)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFOMETRURON METHYL WTR FLT REC (UG/L) (50337)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL, WATER, DISS, REC (UG/L) (04032)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOROPHENYL METHYL WAT FLT REC (UG/L) (61692)
OCT													
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
NOV													
13...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
25...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	<.009	<.006	<.010	<.02	<.02
25...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
25...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
25...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
DEC													
11...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	E.005	<.006	<.010	<.02	<.02
24...	<.02	<.02	<.01	<.02	<.010	<.02	E.009	<.02	<.009	<.006	<.010	<.02	<.02
JAN													
25...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	E.004	<.006	<.010	<.02	<.02
MAR													
04...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
APR													
10...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.09	<.009	<.006	<.010	<.02	<.02
25...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.20	E1.33	<.006	<.010	<.02	<.02
28...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.03	.130	<.006	<.010	.10	<.02
MAY													
08...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	<.009	<.006	<.010	<.02	<.02
12...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.26	<.009	<.006	<.010	.15	<.02
13...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.07	.016	<.006	<.010	.22	<.02
30...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	M	<.009	<.006	<.010	<.02	<.02
JUN													
05...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
05...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	.05	<.02
06...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.02	<.009	<.006	<.010	.10	<.02
06...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	<.009	<.006	<.010	.16	<.02
07...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	<.009	<.006	<.010	.08	<.02
12...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	.15	<.02
14...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	.11	<.02
18...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	E.005	<.006	<.010	<.02	<.02
26...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
26...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
26...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
JUL													
16...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	.009	<.006	<.010	<.02	<.02
23...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
30...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	E.006	<.006	<.010	<.02	<.02
AUG													
02...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
13...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
20...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
29...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
30...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
*30...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
SEP													
02...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
11...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.02	<.009	<.006	<.010	.04	<.02
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	.08	<.02
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	.06	<.02
23...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
27...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	.06	<.02

METHOD SH2002

Date	Time	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SAMPLING METHOD, CODES (82398)	1,4-NAPTHOQUINON WATER FLTRD REC (UG/L) (61611)	1-NAPHTHOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	2(4TERT BUTYL-PHENOXY CYCLOHEXANOL FLT REC (UG/L) (61637)	2,5-DICHLORO-ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2-ETHYL-6-METHYPANOL WAT FLT REC (UG/L) (61615)	2AMINONISOPROPYLBENZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO-2,6-DIETHYLACETANILIDE FLT REC (UG/L) (61618)	4CHLORO2-METHYL-PHENOL WAT FLT REC (UG/L) (61633)	4CHLOROBENZYL METHYL SULFONE WAT FLT REC (UG/L) (61634)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)
NOV													
25...	2010	3.4	50	E.01	<.09	<.01	<.03	<.1	<.005	<.005	<.006	<.03	<.004

E Estimated
M Presence verified, not quantified
* Replicate

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2002--Continued

Date	ANILINE 3,4-DI-CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI-CHLORO WATER FLTRD REC (UG/L) (61627)	ANILINE 3-TRI-FLUORO-METHYL WAT FLT REC (UG/L) (61630)	AZIN-PHOS-METHYL-OXON WAT FLT REC (UG/L) (61635)	BENZO-PHENONE 4,4-DI-CHLORO WAT FLT REC (UG/L) (61631)	BI-FENTH-RIN WATER FLTRD REC (UG/L) (61580)	CHLOR-PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	CIS-CARBOX-YATE WATER FLTRD REC (UG/L) (79842)	CIS-PROPI-CONAZ-OLE WAT FLT REC (UG/L) (79846)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	CY-FLUTH-RIN WATER FLTRD REC (UG/L) (61585)	CYPER-METHRIN WATER FLTRD REC (UG/L) (61586)	DICROT-OPHOS WATER FLTRD REC (UG/L) (38454)
NOV 25...	<.004	<.005	<.01	<.02	<.003	<.005	<.06	<.04	<.008	<.005	<.008	<.009	<.08

Date	DIMETH-OATE WATER FLTRD 0.7 U GF, REC (UG/L) (82662)	DISULF-OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF-OTON SULF-OXIDE WAT FLT REC (UG/L) (61641)	E-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79844)	ENDO-SULFAN ALPHA DISSOLV (UG/L) (34362)	ENDO-SULFAN BETA DISSOLV (UG/L) (34357)	ENDO-SULFAN ETHER WATER FLTRD REC (UG/L) (61642)	ENDO-SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	ETHION DISSOLV (UG/L) (82346)	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI-PHOS SULFONE WATER FLTRD REC (UG/L) (61645)	FENAMI-PHOS SULF-OXIDE WAT FLT REC (UG/L) (61646)	FENAMI-PHOS WATER FLTRD REC (UG/L) (61591)
NOV 25...	<.006	<.02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03	<.03

Date	FEN-THION SULF-OXIDE WAT FLT REC (UG/L) (61647)	FEN-THION WATER FLTRD (UG/L) (38801)	FLUME-TRALIN WATER FLTRD REC (UG/L) (61592)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	HEXA-ZINONE, WATER, DISS, REC (UG/L) (04025)	IPRO-DIONE WATER FLTRD REC (UG/L) (61593)	ISOFEN-PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA-CYHALO-THRIN WATER FLTRD REC (UG/L) (61595)	MALA-OXON WATER FLTRD REC (UG/L) (61652)	META-LAXYL WATER FLTRD REC (UG/L) (61596)	METHI-DATHION WATER FLTRD REC (UG/L) (61598)	MYCLO-BUTANIL WATER FLTRD REC (UG/L) (61599)	O-ETHYL O-METHY S-PROPY —HIOATE WAT FLT REC (UG/L) (61660)
NOV 25...	<.008	<.02	<.004	<.002	<.013	<1	<.003	<.009	<.008	<.005	<.006	<.008	<.008

Date	OXY-FLUOR-FEN WATER FLTRD REC (UG/L) (61600)	PARA-OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA-OXON METHYL WATER FLTRD REC (UG/L) (61664)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	PHOSMET WATER FLTRD REC (UG/L) (61601)	PHOSTE-BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO-FENOFOS WATER FLTRD REC (UG/L) (61603)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	PROPET-AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO-TEPP WATER FLTRD REC (UG/L) (61605)	SUL-PROFOS WATER FLTRD REC (UG/L) (38716)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)
NOV 25...	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006	<.005	<.004	<.003	<.02	<.006

Date	TEFLU-THRIN METAB-OLITE R119364 FLT REC (UG/L) (61671)	TEFLU-THRIN METAB-OLITE R152912 FLT REC (UG/L) (61672)	TEFLU-THRIN WATER FLTRD REC (UG/L) (61606)	TEME-PHOS WATER FLTRD REC (UG/L) (61607)	TER-BUFOS O-ANA-LOGUE WAT FLT REC (UG/L) (61674)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	TRANS-CARBOX-YATE WATER FLTRD REC (UG/L) (79843)	TRANS-PROPI-CONA-ZOLE WAT FLT REC (UG/L) (79847)	TRIBU-PHOS WATER FLTRD REC (UG/L) (61610)	Z-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79845)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)
NOV 25...	<.02	<.01	<.008	<.3	<.07	<.01	<.03	<.01	<.004	<.05	<.01

01374930 MUSCOOT RIVER AT BALDWIN PLACE, NY

LOCATION.--Lat 41°20'17", long 73°46'07", Westchester County, Hydrologic Unit 02030101, on left bank 30 ft upstream from bridge on State Highway 6, and 0.7 mi southwest of Baldwin Place.
DRAINAGE AREA.--13.5 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1954, 1976-77. October 1995 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 505 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional seasonal regulation by Kirk Lake and Lake Mahopac. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,020 ft^3/s, Sept. 16, 1999, gage height, 9.42 ft, from rating curve extended above 120 ft^3/s on basis of contracted-opening measurement of peak flow; minimum discharge, 0.11 ft^3/s, Sept. 6, 7, 8, 9, 10, 2001, gage height, 3.55 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 130 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	1500	*106	*5.29				

Minimum discharge, 0.68 ft^3/s, Aug. 28, gage height, 3.70 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	21	9.0	e7.0	12	3.9	8.9	17	16	6.0	1.6	2.1
2	5.3	20	8.7	6.9	14	4.0	7.2	17	12	4.8	2.0	3.0
3	4.1	19	8.4	6.7	11	28	7.3	17	8.3	4.4	4.1	2.5
4	3.6	18	8.3	6.7	9.0	21	10	13	6.5	3.9	2.2	5.0
5	3.3	17	8.2	6.6	7.9	10	7.4	11	11	3.3	1.9	2.8
6	3.6	15	8.0	e6.4	6.9	8.5	6.7	9.6	15	2.8	1.8	1.9
7	3.7	14	7.9	e6.2	6.7	7.9	5.9	9.0	88	2.5	1.5	1.6
8	2.9	13	7.8	e6.6	6.5	7.1	5.6	8.4	65	2.3	1.3	1.5
9	2.6	13	11	e7.0	6.2	6.7	5.5	7.9	32	2.6	1.2	1.4
10	2.5	12	10	7.7	6.2	10	7.8	7.9	19	3.6	1.1	1.3
11	2.4	12	9.5	8.5	16	7.6	6.1	6.7	14	2.3	1.0	1.2
12	2.4	11	8.8	9.2	e10	6.6	5.7	9.5	12	2.0	1.0	1.1
13	2.5	10	8.6	9.4	8.4	6.5	7.1	32	16	1.9	0.96	1.1
14	2.5	9.2	9.6	8.3	e5.0	6.4	7.5	84	19	1.7	0.89	1.0
15	6.1	8.7	13	7.9	4.6	6.0	27	52	33	1.7	0.83	1.7
16	4.9	8.6	9.7	7.8	5.0	6.6	17	29	32	1.5	0.93	5.2
17	5.2	8.6	9.7	7.6	6.2	6.2	11	21	33	1.4	1.4	3.1
18	17	8.5	17	7.6	5.7	7.3	9.2	53	18	1.3	2.2	2.0
19	24	8.5	15	e7.0	4.7	9.7	8.3	66	12	1.3	1.1	1.7
20	24	8.6	12	e7.0	4.9	12	9.0	40	9.7	1.7	1.9	1.6
21	23	8.5	11	7.2	9.2	23	8.7	27	7.9	1.4	1.3	1.5
22	28	8.3	10	7.2	7.1	15	8.1	22	6.9	1.3	1.0	1.6
23	30	8.3	9.1	7.3	6.0	13	7.7	19	6.2	2.9	1.0	1.7
24	30	8.4	17	10	5.2	12	6.7	17	5.4	8.5	1.0	1.5
25	30	9.0	15	13	5.0	11	8.3	15	4.6	2.8	1.5	1.4
26	29	13	12	11	4.9	10	13	12	6.4	2.1	1.00	1.4
27	29	10	11	9.7	4.9	20	8.4	12	14	1.9	0.86	8.3
28	28	9.2	e10	9.3	4.5	13	20	19	13	1.9	0.75	8.3
29	26	9.0	9.3	9.5	---	9.1	39	24	21	4.7	5.7	3.6
30	25	9.1	e8.6	10	---	8.2	21	17	10	2.5	8.0	2.8
31	23	---	e7.4	9.8	---	7.4	---	13	---	1.9	2.8	---
TOTAL	430.4	348.5	320.6	252.1	203.7	323.7	321.1	708.0	566.9	84.9	55.82	74.9
MEAN	13.9	11.6	10.3	8.13	7.28	10.4	10.7	22.8	18.9	2.74	1.80	2.50
MAX	30	21	17	13	16	28	39	84	88	8.5	8.0	8.3
MIN	2.4	8.3	7.4	6.2	4.5	3.9	5.5	6.7	4.6	1.3	0.75	1.0
CFSM	1.03	0.86	0.77	0.60	0.54	0.77	0.79	1.69	1.40	0.20	0.13	0.18
IN.	1.19	0.96	0.88	0.69	0.56	0.89	0.88	1.95	1.56	0.23	0.15	0.21

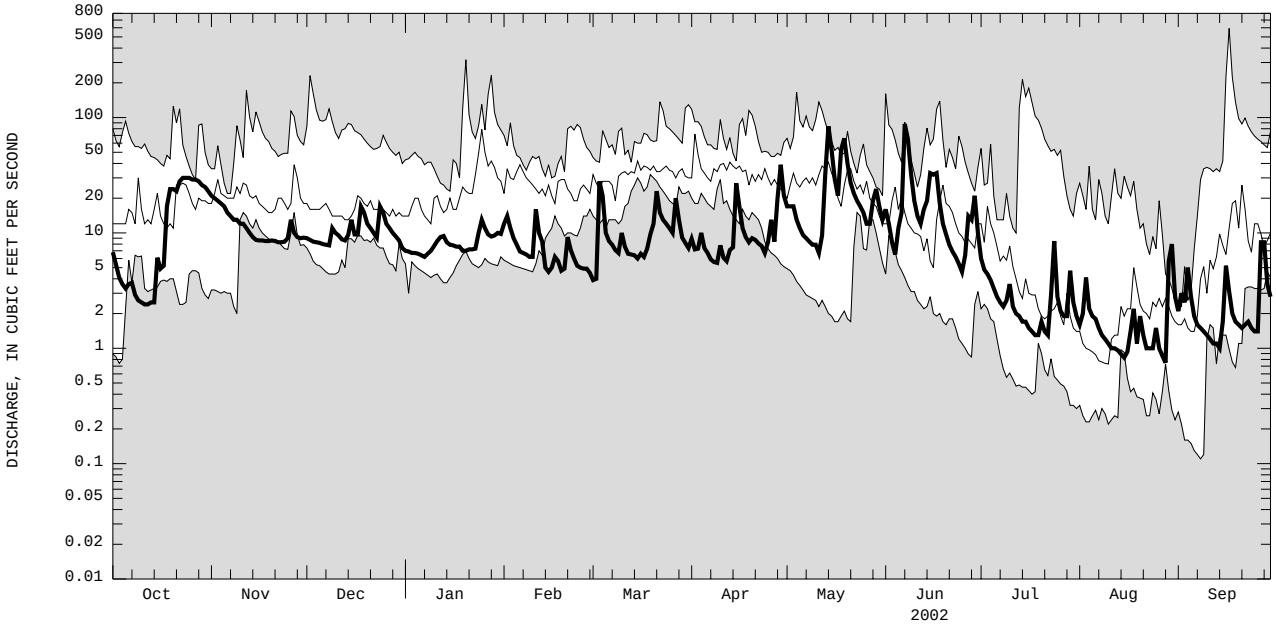
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	21.1	24.8	24.0	26.8	24.5	34.3	33.4	28.7	20.6	11.9	4.33	17.5
MAX	47.0	53.1	80.4	61.9	49.8	51.3	56.8	47.0	44.2	55.3	14.5	72.9
(WY)	2000	1996	1997	1996	1996	2001	1997	1998	1998	1996	2000	1999
MIN	5.86	8.28	9.45	6.21	7.27	10.4	10.7	5.14	3.21	0.86	0.51	2.50
(WY)	2001	2001	1999	2001	2002	2002	2002	2001	1999	1999	2001	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	5865.75		3690.62			
ANNUAL MEAN	16.1		10.1		22.6	
HIGHEST ANNUAL MEAN					35.4	1996
LOWEST ANNUAL MEAN					10.1	2002
HIGHEST DAILY MEAN	139	Jun 18	88	Jun 7	593	Sep 17 1999
LOWEST DAILY MEAN	0.11	Sep 8	0.75	Aug 28	0.11	Sep 8 2001
ANNUAL SEVEN-DAY MINIMUM	0.14	Sep 3	0.96	Aug 10	0.14	Sep 3 2001
ANNUAL RUNOFF (CFSM)	1.19		0.75		1.68	
ANNUAL RUNOFF (INCHES)	16.16		10.17		22.78	
10 PERCENT EXCEEDS	53		21		51	
50 PERCENT EXCEEDS	8.6		7.9		14	
90 PERCENT EXCEEDS	0.66		1.5		1.7	

e Estimated

01374930 MUSCOOT RIVER AT BALDWIN PLACE, NY--Continued



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.

01374941 MUSCOOT RIVER BELOW DAM AT AMAWALK, NY

LOCATION.--Lat 41°17'15", long 73°45'13", Westchester County, Hydrologic Unit 02030101, on left bank 20 ft upstream from bridge on State Highway 35 (Amawalk Road), 500 ft downstream from dam on Amawalk Reservoir, and 1.0 mi east of Amawalk.
DRAINAGE AREA.--19.7 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water year 1976. March 1994 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 340 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Amawalk Reservoir. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 283 ft^3/s, July 16, 1996, gage height, 10.02 ft, from rating curve extended above 120 ft^3/s; maximum gage height, 10.42 ft, Jan. 25, 2001, from crest-stage gage; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20 ft^3/s, Mar. 3, Aug. 27, gage height, 8.90 ft; minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

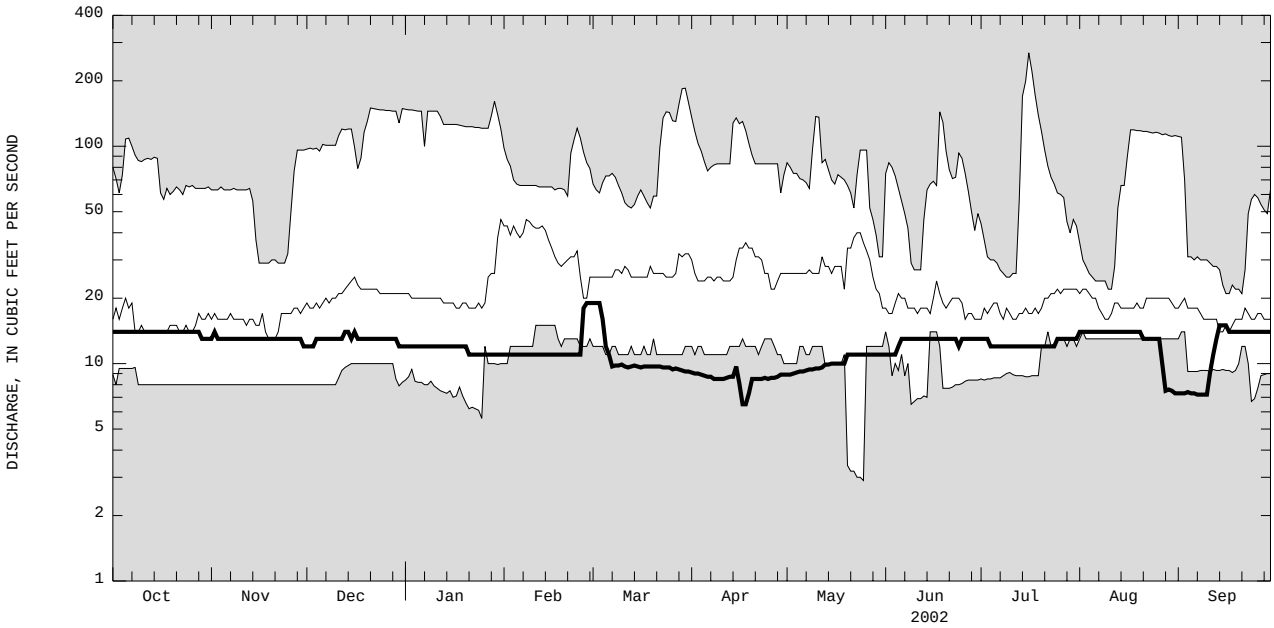
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	13	12	12	11	19	9.1	8.9	11	13	14	7.3
2	14	14	12	12	11	19	9.0	8.9	11	13	14	7.3
3	14	13	12	12	11	19	9.0	9.0	11	13	14	7.3
4	14	13	13	12	11	16	8.9	9.1	11	12	14	7.4
5	14	13	13	12	11	12	8.8	9.2	12	12	14	7.3
6	14	13	13	12	11	11	8.7	9.2	13	12	14	7.3
7	14	13	13	12	11	9.7	8.7	9.3	13	12	14	7.2
8	14	13	13	12	11	9.8	8.5	9.4	13	12	14	7.2
9	14	13	13	12	11	9.8	8.5	9.4	13	12	14	7.2
10	14	13	13	12	11	9.9	8.5	9.5	13	12	14	7.2
11	14	13	13	12	11	9.7	8.5	9.5	13	12	14	9.1
12	14	13	13	12	11	9.6	8.6	9.6	13	12	14	11
13	14	13	14	12	11	9.7	8.7	9.9	13	12	14	13
14	14	13	14	12	11	9.8	8.7	9.9	13	12	14	15
15	14	13	13	12	11	9.7	9.7	10	13	12	14	15
16	14	13	14	12	11	9.6	8.1	10	13	12	14	15
17	14	13	13	12	11	9.7	6.5	10	13	12	14	14
18	14	13	13	12	11	9.7	6.5	10	13	12	14	14
19	14	13	13	12	11	9.7	7.3	10	13	12	14	14
20	14	13	13	12	11	9.7	8.5	11	13	12	14	14
21	14	13	13	11	11	9.7	8.5	11	13	12	13	14
22	14	13	13	11	11	9.7	8.5	11	13	12	13	14
23	14	13	13	11	11	9.6	8.5	11	13	12	13	14
24	14	13	13	11	11	9.6	8.6	11	12	12	13	14
25	14	13	13	11	11	9.6	8.5	11	13	13	13	14
26	14	13	13	11	18	9.4	8.6	11	13	13	13	14
27	14	13	13	11	19	9.5	8.6	11	13	13	9.9	14
28	14	13	13	11	19	9.4	8.7	11	13	13	7.5	14
29	13	13	13	11	---	9.3	8.9	11	13	13	7.6	14
30	13	12	12	11	---	9.2	8.9	11	13	13	7.5	14
31	13	---	12	11	---	9.2	---	11	---	13	7.3	---
TOTAL	431	390	401	361	331	336.3	255.1	312.8	380	382	397.8	346.8
MEAN	13.9	13.0	12.9	11.6	11.8	10.8	8.50	10.1	12.7	12.3	12.8	11.6
MAX	14	14	14	12	19	19	9.7	11	13	13	14	15
MIN	13	12	12	11	11	9.2	6.5	8.9	11	12	7.3	7.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	24.8	21.1	37.7	40.6	34.4	29.8	36.6	29.2	24.1	23.6	23.9	18.5
MAX	67.3	54.1	112	129	65.9	62.1	83.6	58.6	48.2	70.8	73.4	28.9
(WY)	2000	1997	1997	2000	1996	1999	1994	1996	1998	1996	1996	1996
MIN	9.62	8.00	10.0	8.02	11.8	10.8	8.50	10.1	10.8	12.3	12.8	10.4
(WY)	1998	1999	1998	1999	2002	2002	2002	2002	1999	2002	2002	1997

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	6294		4324.8			
ANNUAL MEAN	17.2		11.8		28.2	
HIGHEST ANNUAL MEAN					44.2	1996
LOWEST ANNUAL MEAN					11.8	2002
HIGHEST DAILY MEAN	144	Jun 18	19	Feb 27	269	Jul 16 1996
LOWEST DAILY MEAN	11	Mar 5	6.5	Apr 17	2.9	May 25 1995
ANNUAL SEVEN-DAY MINIMUM	11	Mar 21	7.3	Sep 4	4.2	May 19 1995
10 PERCENT EXCEEDS	19		14		64	
50 PERCENT EXCEEDS	14		12		17	
90 PERCENT EXCEEDS	12		8.8		9.8	

01374941 MUSCOOT RIVER BELOW DAM AT AMAWALK, NY--Continued



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.

01374976 ANGLE FLY BROOK AT WHITEHALL CORNERS, NY

LOCATION.--Lat 41°16'57", long 73°43'32", Westchester County, Hydrologic Unit 02030101, on left bank 20 ft downstream from bridge on State Highway 35, 0.6 mi upstream from Muscoot Reservoir, and 1.0 mi northeast of Whitehall Corners.
DRAINAGE AREA.--3.01 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water year 1976. December 1995 to current year.
REVISED RECORDS.--WDR NY-99-1: 1996-98(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 230 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1996, at datum 1.0 ft higher.
REMARKS.--Records fair except those for estimated daily discharges and those below 1.0 ft^3/s, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 918 ft^3/s, Sept. 16, 1999, gage height, 4.94 ft, from rating curve extended above 105 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; minimum, no flow part or all of many days during July to October 1997 and 1998, July to September 1999, 2001, and 2002.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 80 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 6	2315	*85	*3.12	No other peak greater than base discharge.			

Minimum, no flow part or all of many days during July to September.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.83	0.44	0.39	e0.30	3.6	1.0	2.8	5.8	4.5	1.1	0.00	0.00
2	0.30	0.53	0.29	e0.27	3.1	1.0	1.9	9.9	2.3	0.97	0.59	0.91
3	0.14	0.69	0.26	0.25	1.9	13	2.5	13	1.7	0.87	0.35	0.34
4	0.11	0.34	0.21	0.24	1.6	4.5	2.8	6.0	1.5	0.69	0.02	1.3
5	0.06	0.32	0.24	0.38	1.3	2.2	1.9	4.9	4.4	0.56	0.00	0.34
6	0.46	0.44	0.21	0.38	1.1	1.9	1.7	4.3	12	0.50	0.00	0.06
7	0.30	0.44	0.30	0.57	1.2	1.7	1.5	4.0	36	0.46	0.00	0.00
8	0.15	0.44	0.30	0.54	1.1	1.5	1.4	3.4	9.0	0.38	0.00	0.00
9	0.12	0.59	2.0	0.57	1.1	1.5	1.4	3.2	5.6	0.87	0.00	0.00
10	0.17	0.57	1.2	0.66	1.3	2.1	1.6	3.0	4.5	0.80	0.00	0.00
11	0.18	0.60	0.79	1.1	4.1	1.5	1.3	2.4	3.7	0.46	0.00	0.00
12	0.24	0.55	0.58	1.3	1.9	1.4	1.4	6.0	4.0	0.37	0.00	0.00
13	0.26	0.56	0.54	1.4	1.5	1.4	1.6	23	3.8	0.29	0.00	0.00
14	0.25	0.69	1.5	1.3	1.2	1.4	1.5	25	8.6	0.28	0.00	0.00
15	1.1	0.64	2.3	1.4	1.2	1.3	5.6	8.2	7.7	0.24	0.00	0.82
16	0.37	0.54	1.1	1.4	1.4	1.5	2.4	5.8	8.8	0.15	0.13	0.85
17	0.80	0.48	1.3	1.3	1.6	1.2	1.8	5.0	6.2	0.08	0.00	0.21
18	0.40	0.44	5.0	1.2	1.3	1.9	1.5	27	4.0	0.06	0.00	0.03
19	0.31	0.49	2.4	e0.80	1.1	2.4	1.4	12	3.0	0.09	0.00	0.00
20	0.31	0.99	1.5	e0.90	1.2	5.2	1.7	7.1	2.4	0.19	0.00	0.00
21	0.29	0.78	1.1	0.93	3.9	5.4	1.6	6.1	2.1	0.04	0.00	0.00
22	0.33	0.48	0.91	0.95	2.3	2.7	1.8	5.2	1.9	0.00	0.00	0.00
23	0.43	0.44	0.75	1.3	1.7	2.1	1.6	4.6	1.7	0.66	0.00	0.00
24	0.46	0.68	5.2	2.9	1.4	1.9	1.3	4.0	1.4	0.53	0.00	0.00
25	0.45	1.3	2.4	3.5	1.3	1.7	2.4	3.2	1.3	0.18	0.00	0.00
26	0.37	2.0	1.5	2.4	1.3	1.8	2.4	3.0	2.3	0.11	0.00	0.00
27	0.30	0.76	e0.90	2.0	1.4	5.2	1.6	2.8	2.7	0.18	0.00	2.8
28	0.22	0.49	e0.80	1.7	1.2	2.6	11	10	2.9	0.18	0.00	1.1
29	0.27	0.39	e0.60	1.7	---	2.1	12	4.8	2.1	0.11	2.2	0.42
30	0.35	0.44	e0.50	1.9	---	2.0	5.9	3.2	1.4	0.01	0.52	0.22
31	0.36	---	e0.35	1.7	---	1.8	---	4.2	---	0.00	0.07	---
TOTAL	10.69	18.54	37.42	37.24	48.3	78.9	81.3	230.1	153.5	11.41	3.88	9.40
MEAN	0.34	0.62	1.21	1.20	1.73	2.55	2.71	7.42	5.12	0.37	0.13	0.31
MAX	1.1	2.0	5.2	3.5	4.1	13	12	27	36	1.1	2.2	2.8
MIN	0.06	0.32	0.21	0.24	1.1	1.0	1.3	2.4	1.3	0.00	0.00	0.00
CFSM	0.11	0.21	0.40	0.40	0.57	0.85	0.90	2.47	1.70	0.12	0.04	0.10
IN.	0.13	0.23	0.46	0.46	0.60	0.98	1.00	2.84	1.90	0.14	0.05	0.12

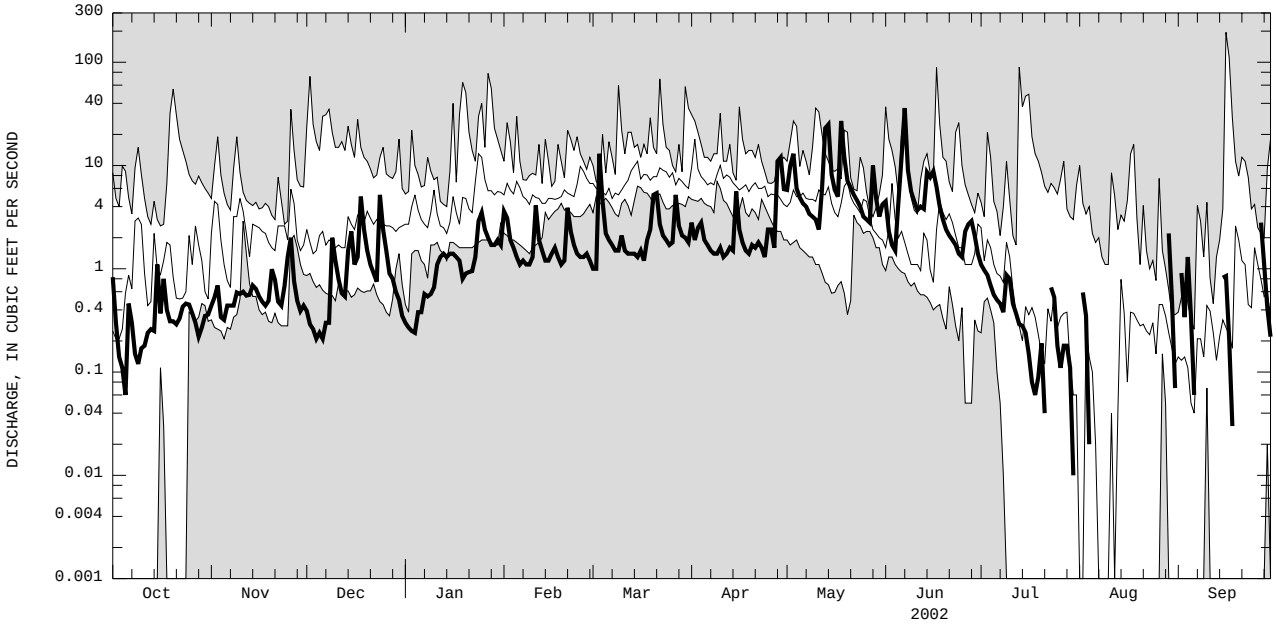
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	2.52	2.87	4.89	6.24	5.83	8.29	7.11	5.73	4.25	2.50	0.78	2.77
MAX	8.61	6.21	17.0	14.6	8.72	12.9	10.8	9.28	8.77	13.0	2.19	14.1
(WY)	1997	1997	1997	1996	1996	2001	1996	1998	2001	1996	2000	1999
MIN	0.34	0.62	0.72	1.20	1.72	2.55	2.71	1.77	1.00	0.11	0.072	0.12
(WY)	2002	2002	1999	2002	2002	2002	2002	2001	1999	1999	2001	1997

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	1319.32		720.68			
ANNUAL MEAN	3.61		1.97		4.11	
HIGHEST ANNUAL MEAN					6.09	1997
LOWEST ANNUAL MEAN					1.97	2002
HIGHEST DAILY MEAN	89	Jun 17	36	Jun 7	195	Sep 16 1999
LOWEST DAILY MEAN	0.00	Jul 29	0.00	Jul 22	0.00	Jul 20 1997
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 29	0.00	Aug 5	0.00	Sep 16 1997
ANNUAL RUNOFF (CFSM)	1.20		0.66		1.37	
ANNUAL RUNOFF (INCHES)	16.31		8.91		18.57	
10 PERCENT EXCEEDS	8.8		4.7		8.8	
50 PERCENT EXCEEDS	1.3		1.1		2.2	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

01374976 ANGLE FLY BROOK AT WHITEHALL CORNERS, NY--Continued



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.
ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.

01374987 KISCO RIVER BELOW MOUNT KISCO, NY
(National water-quality assessment program station)

LOCATION.--Lat 41°13'44", long 73°44'37", Westchester County, Hydrologic Unit 02030101, on right bank 120 ft downstream from bridge on Yeshiva Nitra Road off Pines Bridge Road, and 0.8 mi northwest of Mount Kisco.
DRAINAGE AREA.--17.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1974, 1976-77. October 1995 to current year.
REVISED RECORDS.--WDR NY-97-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 250 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,960 ft^3/s, Sept. 16, 1999, gage height, 9.23 ft, from rating curve extended above 640 ft^3/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 0.9 mi upstream; minimum discharge, 0.16 ft^3/s, Aug. 4, 1999, gage height, 0.83 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	1030	*214	*3.90				

Minimum discharge, 0.26 ft^3/s, Aug. 16, gage height, 1.27 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	4.4	6.1	e7.0	19	9.3	25	48	26	9.2	1.7	2.8
2	9.7	4.6	5.4	6.4	23	9.1	21	43	19	8.2	6.3	21
3	6.5	5.7	4.8	6.1	15	96	21	47	15	7.5	18	20
4	5.2	6.9	4.8	6.0	13	56	26	31	14	6.8	5.4	9.7
5	4.7	6.6	4.8	6.7	11	24	20	26	40	6.0	2.5	5.3
6	5.2	5.6	4.7	7.1	e11	21	18	23	49	5.3	1.9	3.0
7	5.1	4.8	5.2	9.6	e11	19	17	22	176	5.2	1.1	2.1
8	4.4	4.7	5.3	e9.0	e10	18	17	21	80	5.0	0.86	1.7
9	4.1	4.7	19	9.3	10	17	17	21	37	6.7	0.71	1.4
10	4.1	4.5	15	11	11	20	18	21	28	11	0.60	1.2
11	4.1	4.6	8.7	15	23	17	16	18	23	6.2	0.52	1.1
12	4.1	4.2	6.9	17	16	15	15	27	23	4.8	0.47	0.88
13	4.0	4.1	6.3	16	13	16	17	75	29	4.1	0.43	0.81
14	4.2	4.6	8.5	14	12	17	17	139	35	3.9	0.36	0.85
15	9.4	5.1	13	13	11	15	24	59	60	3.8	0.31	9.1
16	8.8	5.0	8.4	13	e11	15	20	37	39	3.4	2.1	36
17	7.0	4.7	8.0	12	e10	14	16	32	30	3.0	3.9	12
18	5.3	4.5	31	12	e10	18	14	101	22	2.7	1.4	5.0
19	4.7	4.3	21	11	9.7	24	13	86	20	2.9	0.80	3.2
20	4.6	5.4	11	11	9.9	34	14	47	18	4.4	1.5	2.5
21	4.7	5.9	8.2	11	23	56	14	39	16	3.4	0.99	2.3
22	4.8	5.2	6.9	11	17	27	17	35	14	2.6	0.55	2.2
23	4.6	5.1	6.3	12	12	21	18	31	13	4.3	1.0	2.1
24	4.6	6.3	33	21	11	21	14	28	12	8.4	0.84	1.8
25	4.6	10	23	25	10	19	17	24	11	4.5	2.0	1.4
26	4.3	28	14	17	10	19	26	22	11	3.0	0.91	2.2
27	4.1	13	e11	15	11	39	17	22	14	3.2	0.59	33
28	3.9	7.3	e10	14	11	27	43	36	22	3.8	0.41	30
29	3.8	6.2	e9.0	14	---	21	97	31	15	3.5	17	10
30	4.1	6.5	e8.0	15	---	21	44	22	11	2.6	16	5.4
31	4.2	---	e7.5	15	---	21	---	21	---	2.1	4.8	---
TOTAL	163.9	192.5	334.8	382.2	364.6	766.4	673	1235	922	151.5	95.95	230.04
MEAN	5.29	6.42	10.8	12.3	13.0	24.7	22.4	39.8	30.7	4.89	3.10	7.67
MAX	11	28	33	25	23	96	97	139	176	11	18	36
MIN	3.8	4.1	4.7	6.0	9.7	9.1	13	18	11	2.1	0.31	0.81
CFSM	0.30	0.36	0.61	0.70	0.74	1.40	1.27	2.26	1.75	0.28	0.18	0.44
IN.	0.35	0.41	0.71	0.81	0.77	1.62	1.42	2.61	1.95	0.32	0.20	0.49

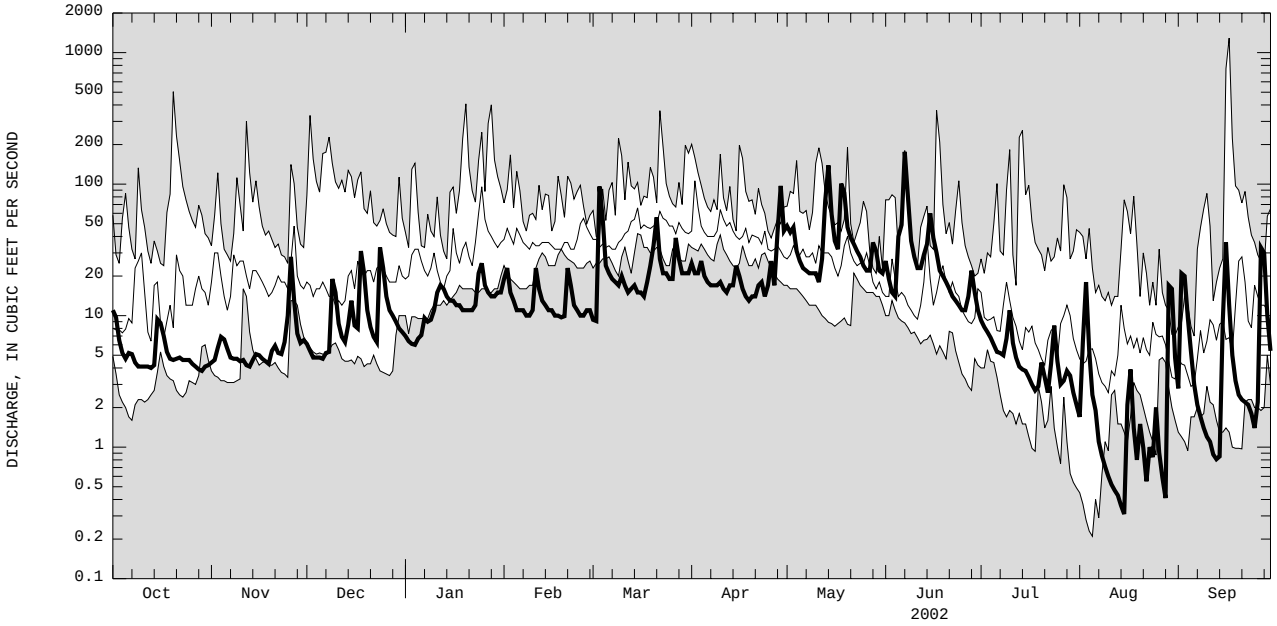
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	21.0	23.4	29.0	40.4	38.5	51.0	45.0	33.5	24.8	15.3	8.48	24.3
MAX	63.6	45.0	96.0	83.1	52.0	72.6	66.5	52.6	48.2	43.7	21.3	106
(WY)	1997	1996	1997	1996	1996	2001	1996	1998	2001	1996	2000	1999
MIN	5.03	6.42	5.88	12.3	13.0	24.7	22.4	15.9	7.70	2.29	3.10	3.46
(WY)	1998	2002	1999	2002	2002	2002	2002	2001	1999	1999	2002	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	9028.9		5511.89			
ANNUAL MEAN	24.7		15.1		28.0	
HIGHEST ANNUAL MEAN					38.8	1997
LOWEST ANNUAL MEAN					15.1	2002
HIGHEST DAILY MEAN	364	Jun 17	176	Jun 7	1290	Sep 17 1999
LOWEST DAILY MEAN	1.7	Sep 8	0.31	Aug 15	0.21	Aug 5 1999
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 3	0.49	Aug 9	0.32	Aug 1 1999
ANNUAL RUNOFF (CFSM)	1.41		0.86		1.59	
ANNUAL RUNOFF (INCHES)	19.08		11.65		21.63	
10 PERCENT EXCEEDS	57		31		58	
50 PERCENT EXCEEDS	13		11		18	
90 PERCENT EXCEEDS	4.2		2.2		3.2	

e Estimated

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)



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.

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976, 1992-94, 1996, May 2000 to current year.
CHEMICAL DATA: 1976, 1992-94, 1996 (a).
MINOR ELEMENTS DATA: 1994, 1996 (a).
PESTICIDE DATA: 1994, 1996 (a), 2000-02 (e).
ORGANIC DATA: OC--1993-94, 1996 (a).
PCB--1996 (a).
PCN--1996 (a).
NUTRIENT DATA: 1976, 1994, 1996 (a).
BIOLOGICAL DATA:
BACTERIA--1993 (a).
PHYTOPLANKTON--1993 (a).
FISH--1995 (a).
SEDIMENT DATA: 1993 (a).

REMARKS.--For many of the samples collected, analysis was performed using three analytical methods; method SH2010, method SH2060, and method SH2002. Because each of these methods share one or more pesticides, separate tables are provided so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Hudson NAWQA section near the end of this report. A sampling method code of 10 indicates an equal-width increment sample, 50 indicates a sample collected at one point in the cross section, 70 indicates a grab sample.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)
OCT													
15...	1115	11	70	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
NOV													
13...	0955	4.2	70	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
26...	1255	30	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
DEC													
11...	0900	8.9	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.011	<.020	<.005
JAN													
25...	0805	27	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.006	<.020	<.005
MAR													
03...	1130	118	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.006	<.020	<.005
03...	1930	120	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.006	<.020	<.005
APR													
10...	1000	19	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
15...	1100	26	50	<.006	<.006	<.004	<.005	.011	<.010	<.002	E.007	<.020	<.005
26...	0550	31	50	<.006	<.006	<.004	<.005	.007	<.010	<.002	E.014	<.020	<.005
28...	2045	106	50	<.006	<.006	<.004	<.005	.014	.018	<.002	E.010	<.020	<.005
29...	0705	116	50	<.006	<.006	<.004	<.005	.012	<.010	<.002	E.017	<.020	<.005
MAY													
08...	1240	21	10	<.006	<.006	<.004	<.005	E.003	<.010	<.002	<.041	<.020	<.005
14...	0930	166	50	<.006	<.006	<.004	<.005	.010	<.010	<.002	E.009	<.020	<.005
30...	1145	22	10	<.006	<.006	<.004	<.005	.007	<.010	<.002	E.004	<.020	<.005
JUN													
06...	2115	76	50	<.006	<.006	<.004	<.005	.013	E.006	<.002	E.094	<.020	<.005
07...	0400	158	50	<.006	<.006	<.004	<.005	.007	<.010	<.002	E.029	<.020	<.005
07...	0905	205	50	<.006	<.006	<.004	<.005	.009	E.005	<.002	E.017	<.020	<.005
07...	0940	212	50	<.006	<.006	<.004	<.005	.011	<.010	<.002	E.017	<.020	<.005
15...	0930	64	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.010	<.020	<.005
18...	1010	22	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
26...	1000	9.8	10	<.006	<.006	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005
JUL													
16...	1515	3.4	70	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
23...	1830	14	50	<.006	<.006	<.004	<.005	E.006	<.010	<.002	E.022	<.020	<.005
30...	0830	2.7	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
AUG													
02...	1900	24	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.013	<.020	<.005
13...	1030	0.46	10	<.006	<.006	<.004	<.005	E.003	<.010	<.002	<.041	<.020	<.005
30...	0510	22	50	<.006	<.006	<.004	<.005	E.003	<.010	<.002	E.022	<.020	<.005
SEP													
11...	0900	1.1	10	<.006	<.006	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005
15...	1600	28	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
*16...	0840	42	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.009	<.020	<.005
16...	0910	43	10	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.009	<.020	<.005
23...	1040	2.1	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005
27...	0945	34	50	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.014	<.020	<.005

E Estimated
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Date	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
OCT													
15...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
NOV													
13...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
DEC													
11...	<.018	<.003	<.006	.006	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JAN													
25...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAR													
03...	<.018	<.003	E.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
03...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
APR													
10...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
15...	<.018	<.003	E.009	.006	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	E.004	.019	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
28...	<.018	<.003	E.004	.017	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
29...	<.018	<.003	E.004	.036	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAY													
08...	<.018	<.003	E.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
14...	<.018	<.003	E.007	.015	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
30...	<.018	<.003	E.007	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUN													
06...	<.018	<.003	E.007	.008	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	E.019
07...	<.018	<.003	E.006	.010	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
07...	<.018	<.003	E.009	.010	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
07...	<.018	<.003	E.010	.011	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
15...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	E.014
18...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	E.004	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUL													
16...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	E.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
30...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
AUG													
02...	<.018	<.003	<.006	.010	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
13...	<.018	<.003	E.002	.006	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
30...	<.018	<.003	E.002	.015	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.046
SEP													
11...	<.018	<.003	E.003	E.003	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
15...	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.040
*16...	<.018	<.003	<.006	.067	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
16...	<.018	<.003	<.006	.067	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.040
23...	<.018	<.003	<.006	.011	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027
27...	<.018	<.003	<.006	.062	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027

E Estimated
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Date	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)
OCT													
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01
NOV													
13...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.01
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01
DEC													
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.01
JAN													
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
MAR													
03...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
03...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
APR													
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
15...	<.050	<.006	.016	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.05
28...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.04
29...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.06
MAY													
08...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
14...	<.050	<.006	E.004	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
JUN													
06...	<.050	<.006	E.011	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
07...	<.050	<.006	E.008	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
07...	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
07...	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
JUL													
16...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
AUG													
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
13...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
SEP													
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
*16...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
16...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01

E Estimated
M Presence verified, not quantified
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Date	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT											
15...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
NOV											
13...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
26...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
DEC											
11...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
JAN											
25...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MAR											
03...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
03...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
APR											
10...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
15...	<.004	<.010	<.011	<.02	.006	<.02	<.034	<.02	<.005	<.002	<.009
26...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
28...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	.034
29...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MAY											
08...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
14...	<.004	<.010	<.011	<.02	E.004	<.02	<.034	<.02	<.005	<.002	E.004
30...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
JUN											
06...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	.009
07...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.006
07...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.006
07...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.004
15...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
18...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
26...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.003
JUL											
16...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.003
30...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
AUG											
02...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
13...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
30...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
SEP											
11...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
15...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
*16...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
16...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
27...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009

E Estimated
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)
OCT													
15...	1120	11	70	<.009	.06	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
NOV													
13...	1000	4.2	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
26...	1300	30	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
DEC													
11...	0905	8.9	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
JAN													
25...	0810	27	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
MAR													
03...	1135	118	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
03...	1935	120	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
APR													
10...	1005	19	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
15...	1105	26	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.005
26...	0555	31	50	<.009	.12	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
28...	2050	106	50	<.009	.28	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.006
29...	0710	116	50	<.009	.16	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.007
MAY													
08...	1245	21	10	<.009	.14	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
14...	0935	166	50	<.009	.23	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.006
30...	1150	22	10	<.009	.06	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
JUN													
05...	0635	75	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	.022
06...	2120	76	50	<.009	.23	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.008
07...	0405	158	50	<.009	.20	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.005
07...	0910	205	50	.023	.24	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.005
07...	0945	212	50	<.009	.21	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.006
15...	0935	64	50	<.009	.12	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
18...	1015	22	10	<.009	.03	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
26...	1005	9.8	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
JUL													
16...	1520	3.4	70	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
23...	1835	14	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
30...	0835	2.7	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
AUG													
02...	1905	24	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
13...	1035	0.46	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
30...	0515	22	50	<.009	.07	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
SEP													
11...	0905	1.1	10	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
15...	1610	28	50	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
*16...	0850	42	50	<.009	E.13	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
16...	0920	43	10	<.009	E.14	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
23...	1050	2.1	50	E.768	E2.44	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009
27...	0950	34	50	<.009	.82	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009

E Estimated
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)
OCT													
15...	<.03	<.004	<.02	<.01	<.03	<.02	E.063	<.03	<.006	<.02	<.010	<.04	<.01
NOV													
13...	<.03	.015	<.02	<.01	<.03	<.02	.015	<.03	<.006	<.02	<.010	<.04	<.01
26...	<.03	E.146	<.02	<.01	<.03	<.02	E.110	<.03	<.006	<.02	<.010	<.04	<.01
DEC													
11...	<.03	.047	<.02	E.01	<.03	<.02	.037	M	<.006	<.02	<.010	E35.6	<.01
JAN													
25...	<.03	<.004	<.02	<.01	<.03	<.02	.114	<.03	<.006	<.02	<.010	<.04	<.01
MAR													
03...	<.03	<.004	<.02	<.01	<.03	<.02	.142	<.03	<.006	<.02	<.010	<.04	<.01
03...	<.03	<.004	<.02	<.01	<.03	<.02	.068	<.03	<.006	<.02	<.010	<.04	<.01
APR													
10...	<.03	<.004	<.02	<.01	<.03	<.02	.049	<.03	<.006	<.02	<.010	<.04	<.01
15...	<.03	<.004	<.02	<.01	<.03	<.02	.193	<.03	<.006	<.02	<.010	<.04	<.01
26...	<.03	<.004	<.02	<.01	<.03	<.02	.106	<.03	<.006	<.02	<.010	<.04	<.01
28...	<.03	<.004	<.02	<.01	<.03	<.02	.060	<.03	<.006	<.02	<.010	<.04	<.01
29...	<.03	<.004	<.02	<.01	<.03	<.02	.046	<.03	<.006	<.02	<.010	<.04	<.01
MAY													
08...	<.03	<.004	<.02	<.01	<.03	<.02	.013	<.03	<.006	<.02	<.010	<.04	<.01
14...	<.03	<.004	<.02	<.01	<.03	<.02	.041	M	<.006	<.02	<.010	<.04	<.01
30...	<.03	<.004	<.02	<.01	<.03	<.02	.022	<.03	<.006	<.02	<.010	<.04	<.01
JUN													
05...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	.13	<.006	<.02	<.010	<.04	<.01
06...	<.03	.031	<.02	<.01	<.03	<.02	<.010	.06	<.006	<.02	<.010	<.04	<.01
07...	<.03	.021	<.02	<.01	<.03	<.02	.053	E.02	<.006	<.02	<.010	<.04	<.01
07...	<.03	.682	<.02	<.01	<.03	<.02	<.010	E.01	<.006	<.02	<.010	<.04	<.01
07...	<.03	E.512	<.02	<.01	<.03	<.02	.044	E.01	<.006	<.02	<.010	<.04	<.01
15...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
18...	<.03	.083	<.02	<.01	<.03	<.02	.017	<.03	<.006	<.02	<.010	<.04	<.01
26...	<.03	.043	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
JUL													
16...	<.03	.020	<.02	<.01	<.03	<.02	.017	<.03	<.006	<.02	<.010	<.04	<.01
23...	<.03	E.017	<.02	<.01	<.03	<.02	E.097	<.03	<.006	<.02	<.010	<.04	<.01
30...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
AUG													
02...	<.03	<.004	<.02	<.01	<.03	<.02	E.167	<.03	<.006	<.02	<.010	<.04	<.01
13...	<.03	E.026	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
30...	<.03	E.025	<.02	<.01	<.03	<.02	E.131	<.03	<.006	<.02	<.010	<.04	<.01
SEP													
11...	<.03	.020	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
15...	<.03	<.004	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
*16...	<.03	<.004	<.02	<.01	<.03	<.02	E.269	<.03	<.006	<.02	<.010	<.04	<.01
16...	<.03	<.004	<.02	<.01	<.03	<.02	E.256	<.03	<.006	<.02	<.010	<.04	<.01
23...	<.03	.015	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01
27...	<.03	E.006	<.02	<.01	<.03	<.02	E.288	<.03	<.006	<.02	<.010	<.04	<.01

E Estimated
M Presence verified, not quantified
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)
OCT													
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
NOV													
13...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	M	<.03	<.01	<.03
26...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	E.01	<.01	<.03	<.01	<.03
DEC													
11...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
JAN													
25...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
MAR													
03...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
03...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
APR													
10...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
26...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E2.40	<.03	<.01	<.03
28...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.63	<.03	<.01	<.03
29...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E1.37	<.03	<.01	<.03
MAY													
08...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.09	<.03	<.01	<.03
14...	<.01	<.01	E.01	<.01	E.01	<.01	<.01	<.01	<.03	.33	<.03	<.01	<.03
30...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.05	<.03	<.01	<.03
JUN													
05...	<.01	<.01	E.01	<.01	<.04	.18	<.01	<.01	<.03	<.01	<.03	<.01	<.03
06...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.06	<.03	<.01	<.03
07...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.09	<.03	<.01	<.03
07...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.09	<.03	<.01	<.03
07...	<.01	<.01	E.01	<.01	<.04	.03	.02	<.01	<.03	.11	<.03	<.01	<.03
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.03	<.03	<.01	<.03
18...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.03	<.03	<.01	<.03
26...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.01	<.03
JUL													
16...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.01	<.03
23...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
30...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.01	<.03
AUG													
02...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
13...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.01	<.03
30...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
SEP													
11...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
15...	<.01	<.01	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
*16...	<.01	<.01	<.03	<.01	<.04	<.01	.05	<.01	<.03	<.01	<.03	<.01	<.03
16...	<.01	<.01	<.03	<.01	<.04	<.01	.05	<.01	<.03	<.01	<.03	<.01	<.03
23...	<.01	<.01	<.03	<.01	<.04	.30	<.01	<.01	<.03	<.01	<.03	<.01	<.03
27...	<.01	<.01	<.03	<.01	<.04	.11	<.01	<.01	<.03	.04	<.03	<.01	<.03

M Presence verified, not quantified
E Estimated
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)
OCT													
15...	<.008	E.08	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
NOV													
13...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
26...	<.008	E.11	<.02	<.007	<.01	<.02	<.01	E.04	<.008	<.004	--	<.01	<.01
DEC													
11...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	.43	<.008	<.004	<.03	<.01	<.01
JAN													
25...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	.01	<.008	<.004	<.03	<.01	<.01
MAR													
03...	<.008	E.20	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	E.11	<.01	<.01
03...	<.008	E.06	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
APR													
10...	<.008	<.02	<.02	.012	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
15...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
26...	<.008	<.02	<.02	<.007	<.01	.03	<.01	<.02	<.008	<.004	<.03	<.01	<.01
28...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
29...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
MAY													
08...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
14...	<.008	<.02	<.02	.035	<.01	.06	<.01	E.01	<.008	<.004	<.03	<.01	<.01
30...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
JUN													
05...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
06...	<.008	E.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
07...	<.008	E.01	<.02	.226	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
07...	<.008	E.04	<.02	.790	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
07...	<.008	<.02	<.02	.558	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
15...	<.008	E.05	<.02	<.007	<.01	.06	<.01	<.02	<.008	<.004	<.03	<.01	<.01
18...	E.007	M	<.02	.042	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
26...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
JUL													
16...	E.006	<.02	<.02	.010	.01	<.02	<.01	.03	<.008	<.004	<.03	<.01	<.01
23...	<.008	<.02	--	<.007	<.01	<.02	<.01	E.01	<.008	<.004	E.03	<.01	<.01
30...	<.008	<.02	<.02	.017	<.01	<.02	<.01	.04	<.008	<.004	<.03	<.01	<.01
AUG													
02...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
13...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
30...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
SEP													
11...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
15...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01
*16...	<.008	<.02	<.02	<.007	<.01	.03	<.01	E.04	<.008	<.004	<.03	<.01	<.01
16...	<.008	<.02	<.02	<.007	<.01	.03	<.01	E.04	<.008	<.004	<.03	<.01	<.01
23...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.01	<.01
27...	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01

E Estimated
M Presence verified, not quantified
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
OCT													
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	E.006	<.010	<.02	<.02
NOV													
13...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
26...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
DEC													
11...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
JAN													
25...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
MAR													
03...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.04	<.009	<.006	<.010	<.02	<.02
03...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
APR													
10...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.02	<.009	<.006	<.010	<.02	<.02
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.04	<.009	<.006	<.010	<.02	<.02
26...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.02	.161	<.006	<.010	<.02	<.02
28...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.02	.135	<.006	<.010	<.02	<.02
29...	<.02	<.02	<.01	<.02	<.010	E.01	<.008	.02	.230	<.006	<.010	<.02	<.02
MAY													
08...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	<.009	<.006	<.010	<.02	<.02
14...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.10	.043	<.006	<.010	.02	<.02
30...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	<.009	<.006	<.010	<.02	<.02
JUN													
05...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
06...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	<.009	<.006	<.010	<.02	<.02
07...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	<.009	<.006	<.010	<.02	<.02
07...	<.02	<.02	<.01	<.02	<.010	E.02	<.008	E.01	<.009	<.006	<.010	<.02	<.02
07...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.02	E.032	<.006	<.010	<.02	<.02
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
18...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	E.008	<.006	<.010	<.02	<.02
26...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
JUL													
16...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
23...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
30...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	E.003	<.010	<.02	<.02
AUG													
02...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
13...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
30...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
SEP													
11...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
15...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
*16...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
16...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
23...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
27...	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02

METHOD SH2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	1,4-NAPTHO QUINON WATER FLTRD REC (UG/L) (61611)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	2(4TERT BUTYL-PHENOXY CYCLO-HEXANOL FLT REC (UG/L) (61637)	2,5-DI-CHLORO-ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2-ETHYL-6-METHY —PANOL WAT FLT REC (UG/L) (61615)	2AMINON ISOPROP PYLBEN ZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO -2,6-DIETHYL ACET-ANILIDE FLT REC (UG/L) (61618)	4CHLORO 2-METH-YL-PHENOL WAT FLT REC (UG/L) (61633)	4CHLORO BENZYL METHYL SULFONE WAT FLT REC (UG/L) (61634)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)
DEC													
11...	0910	8.9	10	<.05	<.09	<.01	<.03	<.1	<.005	<.005	<.006	<.03	<.004
JUL													
16...	1525	3.4	70	<.05	<.09	<.01	<.03	<.1	<.005	<.005	<.006	--	<.004

Date	ANILINE 3,4-DI-CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI-CHLORO WATER FLTRD REC (UG/L) (61627)	ANILINE 3-TRI-FLUORO-METHYL WAT FLT REC (UG/L) (61630)	AZIN-PHOS-METHYL-OXON WAT FLT REC (UG/L) (61635)	BENZO-PHENONE 4,4-DI-CHLORO WAT FLT REC (UG/L) (61631)	BENZYL ALCOHOL 3-PHEN-OXY WAT FLT REC (UG/L) (61629)	BI-FENTH-RIN WATER FLTRD REC (UG/L) (61580)	CHLOR-PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	CIS-CARBOX-YATE WATER FLTRD REC (UG/L) (79842)	CIS-PROPI-CONAZ-OLE WAT FLT REC (UG/L) (79846)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	CY-FLUTH-RIN WATER FLTRD REC (UG/L) (61585)	CYPER-METHRIN WATER FLTRD REC (UG/L) (61586)
DEC													
11...	<.004	<.005	<.01	<.02	<.003	<.05	<.005	<.06	<.04	<.008	<.005	<.008	<.009
JUL													
16...	.007	<.005	<.01	<.02	<.003	<.05	<.005	<.06	<.04	<.008	<.005	<.008	<.009

E Estimated
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2002--Continued

Date	DICROT-OPHOS WATER FLTRD REC (UG/L) (38454)	DIMETH-OATE WATER FLTRD 0.7 U GF, REC (UG/L) (82662)	DISULF-OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF-OTON SULF-OXIDE WAT FLT REC (UG/L) (61641)	E-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79844)	ENDO-SULFAN ALPHA DISSOLV (UG/L) (34362)	ENDO-SULFAN BETA DISSOLV (UG/L) (34357)	ENDO-SULFAN ETHER WATER FLTRD REC (UG/L) (61642)	ENDO-SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	ETHION DISSOLV (UG/L) (82346)	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI-PHOS SULFONE WATER FLTRD REC (UG/L) (61645)	FENAMI-PHOS SULF-OXIDE WAT FLT REC (UG/L) (61646)
DEC													
11...	<.08	<.006	<.02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03
JUL													
16...	<.08	<.006	<.02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03

Date	FENAMI-PHOS WATER FLTRD REC (UG/L) (61591)	FEN-THION SULF-OXIDE WAT FLT REC (UG/L) (61647)	FEN-THION WATER FLTRD (UG/L) (38801)	FLUME-TRALIN WATER FLTRD REC (UG/L) (61592)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	HEXA-ZINONE, WATER, DISS, REC (UG/L) (04025)	HYDROXY METHYL-PENDI-METH-LION FLT REC (UG/L) (61665)	IPRO-DIONE WATER FLTRD REC (UG/L) (61593)	ISOFEN-PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA-CYHALO-THRIN WATER FLTRD REC (UG/L) (61595)	MALA-OXON WATER FLTRD REC (UG/L) (61652)	META-LAXYL WATER FLTRD REC (UG/L) (61596)	METHI-DATHION WATER FLTRD REC (UG/L) (61598)
DEC													
11...	<.03	<.008	<.02	<.004	<.002	E.009	<.1	<1	<.003	<.009	<.008	.286	<.006
JUL													
16...	<.03	<.008	<.02	<.004	<.002	E.011	<.1	<1	<.003	<.009	<.008	.018	<.006

Date	MYCLO-BUTANIL WATER FLTRD REC (UG/L) (61599)	O-ETHYL O-METHY S-PROPY —HIOATE WAT FLT REC (UG/L) (61660)	OXY-FLUOR-FEN WATER FLTRD REC (UG/L) (61600)	PARA-OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA-OXON METHYL WATER FLTRD REC (UG/L) (61664)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	PHOSMET WATER FLTRD REC (UG/L) (61601)	PHOSTE-BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO-FENOFOS WATER FLTRD REC (UG/L) (61603)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	PROPET-AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO-TEPP WATER FLTRD REC (UG/L) (61605)
DEC													
11...	<.009	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006	<.005	<.004	<.003
JUL													
16...	<.008	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006	<.005	<.004	<.003

Date	SUL-PROFOS WATER FLTRD REC (UG/L) (38716)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)	TEFLU-THRIN METAB-OLITE R119364 FLT REC (UG/L) (61671)	TEFLU-THRIN METAB-OLITE R152912 FLT REC (UG/L) (61672)	TEFLU-THRIN WATER FLTRD REC (UG/L) (61606)	TEME-PHOS WATER FLTRD REC (UG/L) (61607)	TER-BUFOS O-ANA-LOGUE WAT FLT REC (UG/L) (61674)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	TRANS-CARBOX-YATE WATER FLTRD REC (UG/L) (79843)	TRANS-PROPI-CONA-ZOLE WAT FLT REC (UG/L) (79847)	TRIBU-PHOS WATER FLTRD REC (UG/L) (61610)	Z-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79845)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)
DEC													
11...	<.02	<.006	<.02	<.01	<.008	<.3	<.07	<.01	<.03	<.01	<.004	<.05	<.01
JUL													
16...	<.02	<.006	<.02	<.01	<.008	<.3	<.07	<.01	<.03	<.01	<.004	<.05	<.01

E Estimated

0137499350 HUNTER BROOK SOUTH OF YORKTOWN, NY

LOCATION.--Lat 41°15'43", long 73°50'36", Westchester County, Hydrologic Unit 02030101, on left bank 1,000 ft upstream from bridge on Baptist Church Road, and 3.0 mi south of Yorktown.
DRAINAGE AREA.--7.42 mi^2.
PERIOD OF RECORD.--June 1999 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 210 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,250 ft^3/s, Sept. 16, 1999, gage height, 9.74 ft, recorded, outside gage height was 11.25 ft, from floodmarks, from rating curve extended above 170 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.06 ft^3/s, Aug. 5, 6, 7, 1999; minimum gage height, 1.37 ft, Aug. 6, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 13	2000	193	3.99	June 7	0115	*205	a*4.05
May 18	1130	187	3.96				

a Recorded; outside gage height was 4.46 ft, from crest-stage gage.

Minimum discharge, 0.23 ft^3/s, Aug. 15, gage height, 1.45 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	1.6	2.6	2.6	7.9	3.0	7.9	21	16	3.9	0.71	2.0
2	3.2	1.7	2.3	2.5	9.0	3.0	6.5	30	9.0	3.5	5.4	3.6
3	2.6	2.1	2.1	2.4	5.3	33	6.8	44	7.0	3.0	6.3	2.6
4	2.2	2.3	2.0	2.4	4.7	13	8.6	21	6.8	2.7	1.9	11
5	2.0	1.9	2.0	2.2	e4.0	7.3	6.4	16	17	2.3	1.3	3.7
6	2.3	1.7	2.0	2.4	3.6	6.3	5.8	14	27	2.0	1.1	2.2
7	2.3	1.7	2.0	3.1	3.7	5.8	5.3	12	107	1.9	0.76	1.7
8	1.8	1.7	2.1	3.7	3.7	5.2	5.1	11	28	1.8	0.66	1.4
9	1.8	1.6	6.0	2.9	3.5	5.1	5.2	10	17	4.5	0.54	1.2
10	1.7	1.5	5.0	3.0	3.6	8.7	6.2	10	13	5.6	0.59	1.1
11	1.8	1.6	3.5	4.1	9.6	6.1	5.1	8.3	11	2.5	0.47	0.87
12	1.8	1.5	3.0	5.4	5.3	5.4	4.9	20	14	2.0	0.40	0.66
13	1.7	1.5	2.8	5.2	4.4	5.2	7.8	72	19	1.6	0.37	0.64
14	1.7	1.5	3.9	4.6	e3.8	5.2	7.6	83	29	1.5	0.33	0.67
15	5.3	1.6	7.2	4.2	3.5	4.7	25	29	33	1.4	0.26	2.4
16	3.0	1.7	3.9	e4.0	3.9	5.1	11	21	28	1.1	12	7.4
17	2.6	1.6	3.9	e3.8	4.5	4.6	7.9	18	19	0.99	8.9	3.0
18	2.3	1.5	13	e3.6	4.2	6.2	6.7	86	13	0.98	1.9	2.0
19	2.0	1.5	7.2	e3.5	3.5	8.3	6.4	38	10	1.4	1.1	1.5
20	1.9	1.7	4.7	e3.4	3.6	15	7.5	25	8.7	2.3	2.4	1.3
21	1.8	1.7	3.7	e3.3	6.4	19	7.4	21	7.6	1.2	1.5	1.2
22	1.8	1.6	3.2	3.3	4.7	9.4	7.2	18	6.6	0.90	0.85	1.1
23	1.7	1.5	3.0	3.7	3.9	7.6	6.7	16	5.8	7.6	0.71	1.4
24	1.9	1.7	13	7.8	3.5	6.9	5.7	14	5.1	8.3	0.71	1.2
25	1.9	2.3	7.0	9.2	3.4	6.3	8.0	12	4.5	2.4	1.6	0.90
26	1.8	8.7	4.7	6.1	3.4	6.2	11	11	13	1.7	0.83	0.88
27	1.5	3.7	3.9	5.2	3.5	20	6.8	11	10	1.8	0.63	20
28	1.5	2.6	e3.5	4.8	3.3	10	29	29	12	1.6	0.47	9.0
29	1.5	2.5	3.2	4.6	---	8.0	42	17	6.7	1.5	21	3.6
30	1.6	2.6	e3.0	4.8	---	7.2	20	12	4.7	1.1	7.5	2.5
31	1.6	---	e2.8	4.5	---	6.8	---	12	---	0.87	2.9	---
TOTAL	66.3	62.4	132.2	126.3	127.4	263.6	297.5	762.3	508.5	75.94	86.09	92.72
MEAN	2.14	2.08	4.26	4.07	4.55	8.50	9.92	24.6	16.9	2.45	2.78	3.09
MAX	5.3	8.7	13	9.2	9.6	33	42	86	107	8.3	21	20
MIN	1.5	1.5	2.0	2.2	3.3	3.0	4.9	8.3	4.5	0.87	0.26	0.64
CFSM	0.29	0.28	0.57	0.55	0.61	1.15	1.34	3.31	2.28	0.33	0.37	0.42
IN.	0.33	0.31	0.66	0.63	0.64	1.32	1.49	3.82	2.55	0.38	0.43	0.46

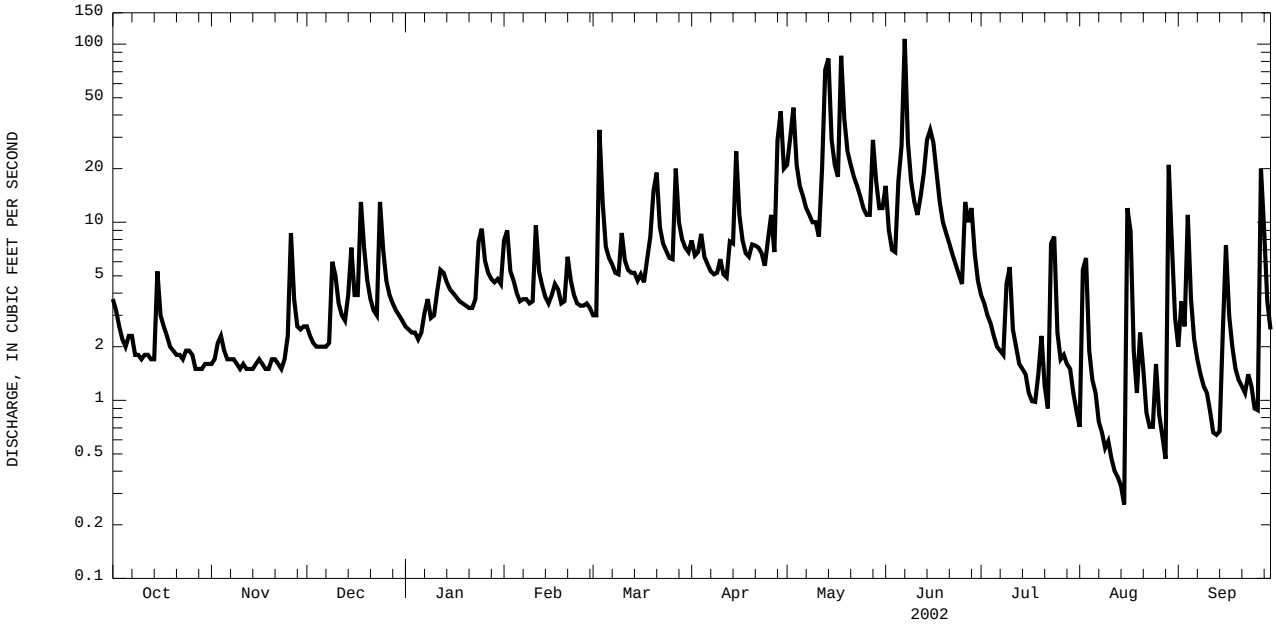
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	5.89	6.89	9.07	7.52	12.4	20.7	15.9	14.5	16.4	3.49	3.16	16.1
MAX	12.7	13.6	12.8	9.47	18.1	35.0	20.6	24.6	20.3	6.02	6.68	49.0
(WY)	2000	2000	2000	2001	2001	2001	2001	2002	2001	2000	2000	1999
MIN	2.14	2.08	4.26	4.07	4.55	8.50	9.92	6.48	11.8	1.02	1.39	3.09
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	2000	1999	1999	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	3926.34		2601.25			
ANNUAL MEAN	10.8		7.13		10.2	
HIGHEST ANNUAL MEAN					11.8	2000
LOWEST ANNUAL MEAN					7.13	2002
HIGHEST DAILY MEAN	197	Jun 17	107	Jun 7	896	Sep 16 1999
LOWEST DAILY MEAN	0.44	Aug 10	0.26	Aug 15	0.07	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	0.63	Aug 6	0.42	Aug 9	0.09	Aug 1 1999
ANNUAL RUNOFF (CFSM)	1.45		0.96		1.37	
ANNUAL RUNOFF (INCHES)	19.68		13.04		18.63	
10 PERCENT EXCEEDS	25		16		21	
50 PERCENT EXCEEDS	5.5		3.7		6.6	
90 PERCENT EXCEEDS	1.5		1.3		1.7	

e Estimated

0137499350 HUNTER BROOK SOUTH OF YORKTOWN, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01375000 CROTON RIVER AT NEW CROTON DAM, NEAR CROTON-ON-HUDSON, NY

LOCATION.--Lat 41°13'30", long 73°51'35", Westchester County, Hydrologic Unit 02030101, on left bank 1,000 ft downstream from New Croton Dam, and 1.8 mi northeast of Croton-On-Hudson.
DRAINAGE AREA.--378 mi^2.
PERIOD OF RECORD.--July 1933 to current year. Prior to Oct. 1, 1941, published as "at Quaker Bridge," (low-flow records at this site are not equivalent owing to well pumpage upstream). Fragmentary records published during August 1933 to September 1941 for "at Cornell Dam near Croton" and "at New Croton near Croton" are equivalent. Oct. 1, 1941 to Sept. 30, 1955 published as "at New Croton Dam near Croton".
GAGE.--Water-stage recorder and concrete control. Elevation of gage is 50 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1941, supplementary water-stage recorder and concrete control at site 1.1 mi downstream at Quaker Bridge.
REMARKS.--No estimated daily discharges. Records fair. Entire flow, except for periods of spilling and releases to augment Croton-on-Hudson water supply, diverted from New Croton Reservoir for municipal supply of City of New York.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,400 ft^3/s, Oct. 16, 1955, gage height, 18.44 ft, from floodmarks, from rating curve extended above 9,700 ft^3/s, on basis of slope-area measurements of peak flow; minimum discharge not determined; minimum gage height, 0.11 ft, July 15, 1965.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,580 ft^3/s, June 7, gage height, 3.98 ft; minimum discharge, 19 ft^3/s, Aug. 6, 8, Sept. 11; minimum gage height, 1.19 ft, Aug. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

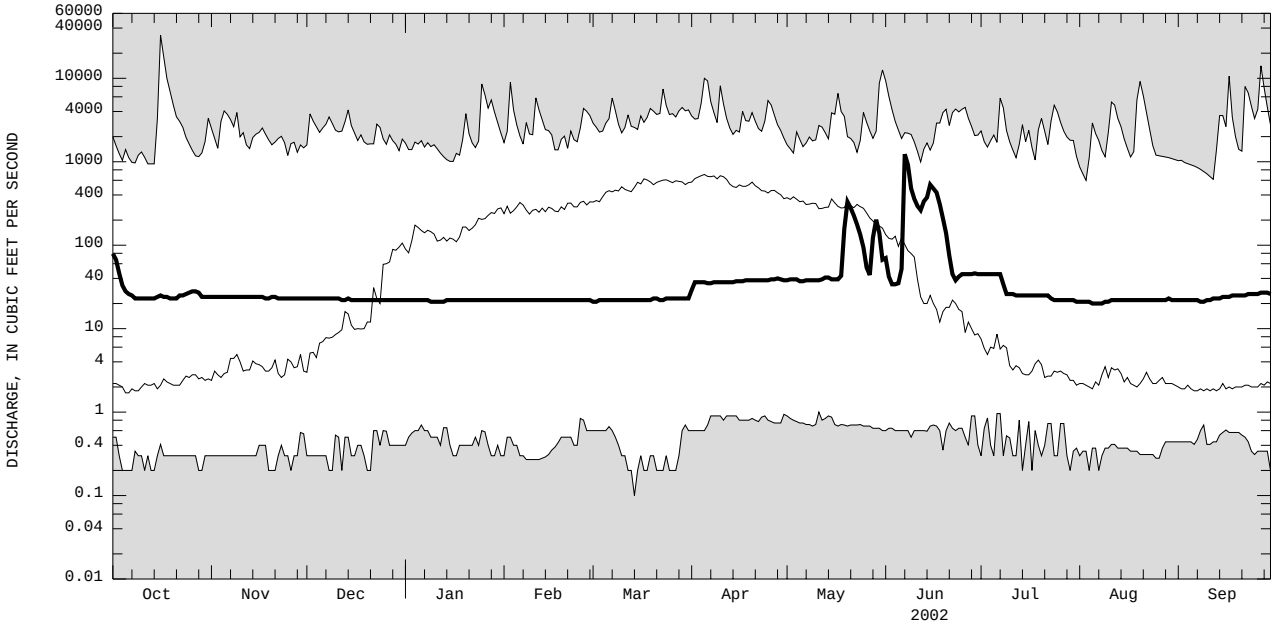
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	24	23	22	22	21	29	38	70	45	21	22
2	67	24	23	22	22	21	36	39	42	45	21	22
3	46	24	23	22	22	22	36	39	34	45	21	22
4	33	24	23	22	22	22	36	39	34	45	21	22
5	28	24	23	22	22	22	36	37	35	45	20	22
6	26	24	23	22	22	22	35	37	52	45	20	22
7	25	24	23	22	22	22	35	38	1230	45	20	22
8	23	24	23	22	22	22	36	38	920	34	20	21
9	23	24	23	21	22	22	36	38	478	26	21	21
10	23	24	23	21	22	22	36	38	359	26	21	22
11	23	24	23	21	22	22	36	38	295	26	22	22
12	23	24	22	21	22	22	36	39	263	25	22	23
13	23	24	22	21	22	22	36	41	335	25	22	23
14	23	24	23	22	22	22	36	41	374	25	22	23
15	24	24	22	22	22	22	37	39	532	25	22	24
16	25	24	22	22	22	22	37	39	478	25	22	24
17	24	24	22	22	22	22	37	39	428	25	22	24
18	24	23	22	22	22	22	38	43	311	25	22	25
19	23	23	22	22	22	22	38	158	210	25	22	25
20	23	24	22	22	22	23	38	331	139	25	22	25
21	23	24	22	22	22	23	38	279	75	25	22	25
22	25	23	22	22	22	22	38	226	45	25	22	25
23	25	23	22	22	22	22	38	177	38	23	22	26
24	26	23	22	22	22	23	38	134	42	22	22	26
25	27	23	22	22	22	23	38	94	45	22	22	26
26	28	23	22	22	22	23	39	54	45	22	22	26
27	28	23	22	22	22	23	39	44	45	22	22	27
28	27	23	22	22	22	23	40	123	45	22	22	27
29	24	23	22	22	---	23	39	202	46	22	23	27
30	24	23	22	22	---	23	38	140	45	22	22	26
31	24	---	22	22	---	23	---	67	---	21	22	---
TOTAL	889	709	694	677	616	690	1105	2729	7090	900	669	717
MEAN	28.7	23.6	22.4	21.8	22.0	22.3	36.8	88.0	236	29.0	21.6	23.9
MAX	79	24	23	22	22	23	40	331	1230	45	23	27
MIN	23	23	22	21	22	21	29	37	34	21	20	21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2002, BY WATER YEAR (WY)

MEAN	170	193	302	324	408	654	685	421	229	101	104	109
MAX	3160	1815	1950	1123	1608	1599	2469	1667	1832	921	1179	1177
(WY)	1956	1956	1997	1978	1970	1953	1983	1989	1972	1984	1990	1975
MIN	0.30	0.40	0.52	0.59	0.90	0.38	0.91	0.75	0.85	0.71	0.36	0.48
(WY)	1966	1966	1966	1966	1967	1965	1965	1963	1965	1965	1981	1981

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1933 - 2002	
ANNUAL TOTAL	148294		17485			
ANNUAL MEAN	406		47.9		308	
HIGHEST ANNUAL MEAN					849	1956
LOWEST ANNUAL MEAN					0.90	1965
HIGHEST DAILY MEAN	3320	Mar 23	1230	Jun 7	33000	Oct 16 1955
LOWEST DAILY MEAN	22	Dec 12	20	Aug 5	0.10	Mar 14 1965
ANNUAL SEVEN-DAY MINIMUM	22	Dec 15	20	Aug 2	0.20	Mar 12 1965
10 PERCENT EXCEEDS	1090		45		915	
50 PERCENT EXCEEDS	209		23		24	
90 PERCENT EXCEEDS	23		22		1.0	

01375000 CROTON RIVER AT NEW CROTON DAM, NEAR CROTON-ON-HUDSON, NY--Continued



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.

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY

LOCATION.--Lat 40°59'16", long 73°53'15", Westchester County, Hydrologic Unit 02030101, 180 ft from left bank on abandoned Mobil Oil Corporation platform, 0.5 mi southwest of railroad station, at Hastings-on-Hudson. Water-quality sampling site at stage station.
DRAINAGE AREA.--13,265 mi^2.

ELEVATION RECORDS

PERIOD OF RECORD.--May 1992 to current year.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.
REMARKS.--Satellite and telephone gage-height, temperature, and specific conductance telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation (water years 1992-99, 2001-02), 7.27 ft, Dec. 11, 1992; minimum elevation (water years 1992-99, 2001-02), -4.01 ft, Mar. 4, 1996.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.62 ft, June 15; minimum, -3.42 ft, Jan. 14.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.38	0.23	2.38	2.90	-1.21	0.91	3.36	-1.12	0.98	2.89	-2.19	0.21
2	3.46	-0.50	1.62	3.15	-1.30	0.95	3.23	-1.52	0.72	2.57	-2.44	-0.05
3	3.24	-0.82	1.31	3.03	-1.22	0.84	3.31	-1.45	0.84	2.74	-2.12	0.36
4	3.25	-0.87	1.22	3.24	-1.30	0.96	3.00	-1.50	0.61	2.89	-1.42	0.66
5	3.14	-1.01	1.14	2.88	-1.60	0.58	3.10	-1.28	0.80	2.58	-1.51	0.54
6	3.27	-1.14	1.02	2.83	-1.15	0.69	3.16	-1.20	0.89	2.52	-1.10	0.87
7	2.75	-1.39	0.53	2.56	-1.37	0.62	2.80	-1.37	0.69	2.80	-1.52	0.99
8	2.03	-1.82	0.13	3.22	-0.67	1.09	2.86	-1.01	0.95	2.43	-1.41	0.70
9	2.87	-0.99	0.78	3.06	-1.36	0.88	3.51	-1.07	1.39	2.84	-1.58	0.69
10	2.28	-1.52	0.35	3.11	-1.14	1.06	3.18	-1.17	1.18	2.44	-1.83	0.46
11	2.88	-1.16	0.75	2.67	-1.63	0.68	3.15	-1.27	0.98	3.20	-1.48	0.81
12	3.17	-0.97	1.14	3.05	-1.54	0.73	3.35	-1.57	1.22	2.48	-2.06	0.42
13	3.51	-0.99	1.35	3.01	-1.84	0.71	3.91	-0.83	1.43	3.63	-1.43	0.68
14	4.14	-0.69	1.87	2.93	-1.76	0.61	3.49	-1.09	1.24	1.61	-3.42	-0.78
15	3.85	-1.00	1.59	3.21	-1.81	0.77	2.78	-1.72	0.63	2.86	-1.88	0.52
16	3.89	-1.33	1.38	3.41	-1.38	0.92	3.34	-1.20	0.90	2.04	-1.90	0.16
17	3.61	-1.48	1.02	3.38	-1.55	0.90	3.68	-0.93	1.33	3.04	-1.21	0.74
18	2.46	-2.58	0.02	3.29	-1.11	0.92	3.35	-1.03	1.12	2.40	-1.71	0.34
19	3.13	-1.81	0.68	2.81	-1.23	0.74	2.99	-1.01	1.08	2.17	-1.25	0.53
20	3.17	-1.35	0.86	2.56	-1.46	0.66	2.78	-1.17	0.90	2.65	-0.94	1.01
21	3.02	-1.09	0.93	2.88	-0.47	0.95	1.53	-1.63	0.00	2.60	-0.99	0.88
22	2.64	-0.97	0.76	2.57	-0.72	0.95	2.36	-0.80	0.87	1.33	-2.18	-0.50
23	3.14	-0.25	1.30	2.60	-0.50	1.00	2.43	-0.69	1.14	1.92	-1.09	0.44
24	2.93	-0.19	1.43	2.53	-0.60	1.14	2.92	-0.97	1.26	2.66	-1.13	0.78
25	2.95	-0.52	1.48	2.86	-0.64	1.31	2.27	-0.84	0.86	2.76	-1.49	0.80
26	2.30	-1.48	0.85	2.68	-0.95	1.02	3.05	-0.81	1.26	2.61	-1.60	0.50
27	2.40	-1.48	0.61	2.81	-1.13	1.06	3.11	-1.19	1.00	2.75	-2.05	0.63
28	2.67	-1.31	0.87	3.11	-0.98	1.07	2.67	-1.64	0.66	3.50	-1.32	1.14
29	2.72	-1.06	0.90	3.69	-0.98	1.59	2.71	-1.69	0.59	3.83	-1.17	1.29
30	2.59	-1.38	0.78	3.53	-0.90	1.24	2.81	-1.81	0.34	3.70	-1.17	1.17
31	3.05	-1.15	1.03	---	---	---	2.27	-2.55	-0.10	4.00	-1.25	1.50
MONTH	4.38	-2.58	1.03	3.69	-1.84	0.92	3.91	-2.55	0.90	4.00	-3.42	0.60

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.09	-0.79	1.40	2.69	-2.42	0.22	3.87	-1.29	1.13	3.57	-0.97	1.16
2	2.40	-2.28	-0.03	3.48	-2.11	0.51	3.05	-1.50	0.74	3.44	-0.45	1.61
3	2.97	-1.29	0.92	3.60	-1.16	1.37	3.34	-1.27	0.84	3.50	-1.25	0.78
4	3.40	-0.66	1.35	2.91	-1.90	0.28	2.44	-1.19	0.45	2.06	-1.26	0.54
5	2.94	-1.12	1.04	2.14	-1.91	0.02	2.16	-0.86	0.60	2.43	-0.92	0.90
6	2.93	-1.19	0.76	2.25	-1.71	0.14	2.31	-1.06	0.64	2.53	-0.79	1.02
7	2.92	-1.11	1.14	1.89	-1.68	0.26	2.37	-0.99	0.81	2.51	-0.96	0.95
8	3.33	-0.74	1.26	2.48	-0.97	0.72	2.38	-1.44	0.70	2.77	-1.13	1.00
9	3.05	-1.07	1.05	2.39	-1.16	0.79	2.59	-1.13	0.83	3.12	-0.77	1.24
10	3.14	-1.05	1.10	2.79	-2.25	0.07	2.06	-1.94	0.26	2.81	-1.33	0.92
11	3.70	-1.80	0.81	1.58	-3.28	-0.66	2.73	-1.61	0.59	2.51	-1.88	0.29
12	3.47	-1.23	1.16	2.45	-1.75	0.44	2.73	-1.55	0.70	3.18	-1.60	0.70
13	2.95	-1.82	0.44	2.88	-1.39	0.88	2.84	-1.46	0.63	4.12	-1.01	1.43
14	2.63	-1.70	0.46	2.73	-1.47	0.80	2.99	-1.53	0.64	3.55	-0.48	1.47
15	2.49	-1.55	0.54	2.73	-1.31	0.75	3.09	-1.10	0.95	2.89	-1.66	0.44
16	2.90	-1.03	0.96	2.71	-1.68	0.64	3.05	-1.00	0.96	3.18	-1.13	0.90
17	2.85	-0.72	1.06	3.24	-1.10	0.99	3.03	-1.01	0.98	3.21	-1.17	0.87
18	2.57	-1.25	0.87	3.22	-0.49	1.32	3.13	-0.87	1.05	3.23	0.00	1.42
19	3.27	-0.32	1.50	3.15	-0.79	1.05	3.33	-0.64	1.16	3.38	-0.84	1.13
20	3.02	-0.26	1.30	3.38	0.08	1.70	3.16	-0.72	1.02	2.71	-1.10	0.95
21	3.21	-0.31	1.35	2.95	-0.58	1.13	2.93	-0.78	1.03	2.79	-1.39	0.87
22	3.14	-1.01	1.06	1.96	-1.60	-0.12	3.09	-0.58	1.47	3.05	-1.68	0.85
23	2.58	-1.07	0.84	1.66	-1.80	0.07	3.16	-1.19	1.16	3.51	-1.63	1.07
24	3.04	-1.18	1.07	1.69	-1.81	0.09	3.58	-1.27	1.28	3.91	-1.46	1.22
25	3.48	-1.20	1.24	2.68	-1.51	0.84	4.11	-0.99	1.57	4.01	-1.58	1.16
26	3.69	-1.15	1.43	3.65	-1.09	1.41	3.48	-1.68	0.98	4.04	-1.34	1.28
27	4.08	-0.98	1.32	3.83	-1.00	1.39	3.45	-1.86	0.82	3.86	-1.40	1.11
28	2.50	-2.57	-0.04	3.78	-1.32	1.24	4.26	-1.56	1.25	3.66	-1.36	0.97
29	---	---	---	4.08	-1.35	1.19	3.80	-1.11	1.33	3.59	-1.28	1.05
30	---	---	---	3.79	-1.09	1.42	3.60	-1.13	1.19	3.59	-1.02	1.18
31	---	---	---	3.87	-1.28	1.14	---	---	---	3.47	-0.81	1.35
MONTH	4.09	-2.57	0.98	4.08	-3.28	0.71	4.26	-1.94	0.93	4.12	-1.88	1.03

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3.22	-0.73	1.23	2.64	-1.11	0.78	2.91	-0.44	1.38	3.42	0.13	1.80
2	2.99	-0.67	1.07	2.25	-1.18	0.73	3.41	-0.23	1.56	3.42	-0.11	1.61
3	2.47	-0.73	1.06	2.46	-0.91	0.91	3.01	-0.55	1.34	3.69	-0.40	1.57
4	2.52	-1.01	1.02	2.65	-0.80	1.05	3.18	-0.60	1.24	3.67	-0.66	1.54
5	2.75	-0.84	1.20	2.47	-1.01	0.80	3.32	-0.81	1.22	3.62	-0.98	1.32
6	2.66	-0.81	1.09	2.84	-0.98	0.89	3.24	-1.24	0.97	3.65	-1.17	1.26
7	3.98	0.02	1.86	3.04	-1.24	0.82	3.49	-1.04	1.14	3.59	-1.24	1.18
8	3.62	-0.38	1.68	3.22	-1.18	0.85	3.49	-1.23	1.12	3.50	-1.21	1.17
9	3.34	-0.97	1.16	3.38	-1.22	0.96	3.59	-1.28	1.15	3.55	-1.17	1.20
10	3.57	-1.03	1.08	3.40	-1.34	0.91	3.59	-1.13	1.14	3.94	-0.90	1.54
11	3.69	-0.90	1.28	3.51	-1.27	0.96	3.45	-1.10	1.16	3.83	-1.24	1.24
12	4.06	-0.83	1.35	3.56	-1.25	0.99	3.45	-1.02	1.21	3.29	-1.33	0.93
13	4.26	-0.52	1.65	3.53	-1.10	1.10	3.30	-1.08	1.13	3.15	-1.08	1.12
14	4.58	-0.43	1.87	3.52	-1.06	1.14	3.15	-1.12	1.11	2.90	-1.01	1.02
15	4.62	-0.07	2.03	3.52	-0.95	1.24	3.04	-1.03	1.09	3.04	-0.70	1.28
16	4.16	-0.33	1.89	3.29	-1.03	1.30	3.15	-1.09	1.00	3.11	-0.79	1.18
17	3.82	-0.63	1.57	3.63	-0.71	1.56	3.15	-1.05	1.11	3.34	-0.86	1.21
18	3.35	-0.90	1.36	3.50	-0.89	1.43	3.48	-0.62	1.39	3.37	-0.59	1.38
19	3.19	-1.27	1.17	3.84	-0.81	1.44	3.61	-0.64	1.36	3.47	-0.59	1.40
20	3.28	-1.52	1.00	3.58	-0.88	1.39	3.36	-0.81	1.28	3.34	-0.69	1.36
21	3.35	-1.68	0.91	3.64	-0.93	1.34	3.42	-0.84	1.21	3.20	-0.66	1.36
22	3.40	-1.79	0.83	3.50	-1.03	1.20	3.38	-0.79	1.24	3.43	-0.79	1.40
23	3.55	-1.59	0.89	3.02	-1.13	---	3.38	-0.92	1.15	3.24	-0.75	1.34
24	3.46	-1.61	0.87	3.66	-1.21	1.07	3.57	-0.54	1.57	3.21	-0.88	1.26
25	3.74	-1.37	1.04	3.78	-0.71	1.39	3.30	-0.57	1.44	3.08	-0.81	1.30
26	3.49	-1.07	1.10	3.61	-0.51	1.43	3.14	-0.59	1.28	3.50	-0.14	1.67
27	3.18	-1.13	0.95	3.49	-0.50	1.43	3.01	-0.58	1.18	3.65	0.21	1.93
28	3.09	-1.18	0.84	3.40	-0.58	1.44	3.29	-0.39	1.53	3.23	-0.39	1.24
29	2.87	-1.14	0.90	3.42	-0.41	1.51	3.29	-0.02	1.66	3.22	-0.03	1.40
30	2.92	-0.96	0.96	3.26	-0.30	1.50	2.72	-0.46	1.15	2.91	-0.25	1.29
31	---	---	---	2.89	-0.51	1.34	3.35	-0.38	1.57	---	---	---
MONTH	4.62	-1.79	1.23	3.84	-1.34	---	3.61	-1.28	1.26	3.94	-1.33	1.35

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1992 to current year.
CHEMICAL DATA: 1993 (c), 1994 (d), 1995 (b).
PESTICIDE DATA: 1994 (a).
ORGANIC DATA: OC--1993 (c), 1994 (d), 1995 (b).
NUTRIENT DATA: 1993 (c), 1994 (d), 1995 (b).
BIOLOGICAL DATA:
Phytoplankton--1993 (a).
SEDIMENT DATA: 1993-94 (c), 1995 (b).
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1992 to current year.
WATER TEMPERATURE: May 1992 to current year.
INSTRUMENTATION.--Water-quality monitor provides 15-minute-interval readings.
REMARKS.--Satellite and telephone temperature and specific conductance telemeter at station.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum (water years 1992-97, 1999-2002), 31,100 mS/cm, Dec. 11, 1992; minimum (water years 1992-97, 1999-2002), 76 mS/cm, Jan. 30, 31, 1996.
WATER TEMPERATURE: Maximum, 29.5°C, Aug. 2, 4, 2002; minimum, 0.0°C on many days during winter periods, except 1998-99, 2002.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 27,600 mS/cm, Sept. 10; minimum, 1,290 mS/cm, Apr. 3, 4.
WATER TEMPERATURE: Maximum, 29.5°C, Aug. 2, 4; minimum, 2.5°C, Jan. 9, 20.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22900	18700	20700	22600	19800	20600	22200	18400	19800	15900	14500	15200
2	22100	17000	19500	22600	19800	20800	21400	18000	19000	16000	14200	15000
3	22000	17300	19200	23100	19400	20700	21100	17900	18700	17100	14500	15500
4	21200	17300	19000	24300	19100	20500	18900	17100	17800	19100	15200	16900
5	21800	16400	18600	21700	17900	19700	18700	17100	17700	19000	15400	16600
6	20600	16200	18300	22800	18200	19800	18700	16500	17600	19900	16000	17300
7	20000	15700	17900	20800	17800	19200	19600	16200	17400	20000	14800	18100
8	20000	15000	17400	21800	18000	19100	19700	16200	17800	19000	14700	16900
9	20900	17300	18500	22400	18200	20000	23100	17100	19000	21000	15500	17300
10	22900	14800	18000	21200	18200	19400	20400	16900	18300	19100	15700	17200
11	24800	15500	18700	21400	17600	19500	21200	17400	18300	20800	16500	17800
12	23100	18600	19900	21600	17900	18900	19500	16900	17800	18600	15300	16900
13	23400	19200	20800	21300	17600	18500	22700	17400	18600	24800	15900	18400
14	26400	19500	21600	23000	17300	19000	21200	16800	18200	16700	13100	14500
15	25300	19200	21400	21900	16900	18700	19100	15100	17000	22500	16100	17700
16	23400	18900	20700	22000	17400	18800	19300	16000	16700	18100	14800	16400
17	23900	16900	19800	20700	16700	18400	19700	16100	17200	22300	15000	17500
18	20700	14700	17800	20800	17600	18900	18900	14100	17000	19200	14700	16500
19	23400	17300	19300	22800	16200	18300	20900	14500	16000	19500	14800	16100
20	25000	18500	20200	19500	16500	18000	17300	12800	15600	20700	13600	17200
21	25500	18300	20500	19300	16500	17200	14300	12200	13200	17600	12800	15700
22	21400	16200	19300	18200	16300	17400	16800	12300	14700	13700	11600	12700
23	21800	16400	19000	20300	16100	17700	15500	13100	14400	17500	11700	14600
24	22300	17400	19700	24200	15000	17200	17100	12300	14000	18000	15700	16400
25	20300	16500	18200	18800	14300	15800	14000	11200	12500	19800	15400	17200
26	18100	15700	17000	18400	15100	16800	16200	11800	13300	20200	13800	16600
27	18800	13100	15900	20300	15200	17300	17700	12800	14400	20900	16200	17700
28	20100	14600	17200	21800	15600	18000	20000	12100	14800	23600	18200	19500
29	20800	15600	18400	24100	16600	19300	19700	15000	16400	23600	18100	19600
30	20800	18000	19400	21900	17800	19300	19600	15100	16100	22000	17300	18500
31	23500	19200	20500	---	---	---	16700	14000	15100	22500	17100	18600
MONTH	26400	13100	19100	24300	14300	18800	23100	11200	16600	24800	11600	16800

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	22500	16200	18500	13300	11600	12300	6410	3350	4760	7400	4660	5800
2	17000	14100	15600	13200	11800	12300	3800	2640	3300	7400	4440	5740
3	18000	14600	15900	16700	11100	13100	4510	1290	2710	6480	3110	4330
4	19400	14500	16200	13600	9420	11200	2680	1290	1890	5420	3120	3920
5	16500	13700	14900	11100	8870	9780	3180	1460	2580	5440	3240	4230
6	15000	13400	14200	12700	8360	9740	5340	2500	3600	6380	2660	4420
7	14500	12700	13800	9300	7900	8530	6390	3760	4810	5680	3240	4630
8	16500	12800	13900	10700	8600	9320	6960	4460	5620	9220	3810	6020
9	16100	12400	14100	12900	7300	9160	9390	4770	7020	13200	6120	8150
10	15200	12200	13500	13400	6270	9810	9250	5600	6990	12300	4850	7620
11	17800	11200	14000	9420	5840	7470	12500	6050	8550	10400	6580	8380
12	18300	12300	14200	12600	7730	9910	12600	8080	9540	13700	7900	9760
13	13700	9220	11400	11700	9050	10100	11200	8750	9630	14400	9560	12000
14	12200	9270	10100	11000	8430	9550	12000	8310	9710	18200	8120	10500
15	11400	8660	9730	12200	9010	9920	12700	6950	8700	9940	4220	5950
16	11200	9060	9750	12600	7850	9710	7940	4520	6190	6400	3800	4930
17	12100	8100	9880	11200	7180	9320	5180	2860	4000	5350	2050	3370
18	11500	7840	9680	12200	8390	10100	3840	2040	2810	4640	1610	2710
19	15300	7860	10200	10700	6860	8630	4630	2040	3000	5240	1610	3060
20	10900	6670	8490	13400	7460	9930	3820	2040	2930	5770	2610	3870
21	8190	6730	7350	9520	6630	7950	5170	2270	3930	6930	2790	4570
22	8330	5860	7090	8600	6630	7550	7940	3670	5660	12100	3800	6090
23	11500	6560	8920	9630	6770	8040	9860	4860	7130	12100	4700	7470
24	15800	8820	11100	9900	6470	7840	12700	6770	8890	11000	4520	7130
25	19100	9920	13300	13500	7670	10800	16000	8730	11900	12300	3600	6150
26	19000	13000	15100	15300	9740	12000	14100	8520	10900	12300	3220	6080
27	17900	14100	15200	16800	10900	13100	12300	8470	9800	11700	2880	5180
28	14900	11600	12900	13100	9290	10700	12000	8320	9510	11400	2270	4520
29	---	---	---	10400	7570	8880	11300	6750	8470	11100	2370	4690
30	---	---	---	10200	6050	7990	8380	5910	7000	10700	2680	4790
31	---	---	---	6690	4790	5790	---	---	---	9470	2830	4730
MONTH	22500	5860	12500	16800	4790	9690	16000	1290	6380	18200	1610	5830

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6270	2160	3600	7250	3240	5010	23800	15500	19400	25100	16700	20200
2	5480	1820	3030	10600	3550	5820	23600	15300	18700	23200	16600	18900
3	6600	2630	4380	11600	4340	7360	21700	15600	18200	24700	16300	19600
4	9070	3250	5310	14200	4980	8150	24400	15000	18400	25900	17400	20900
5	11200	4790	7150	13400	5730	8310	24100	16400	19200	24900	18400	21800
6	12600	4730	7510	14800	8110	10300	25000	17500	19900	26100	18300	22200
7	13800	5700	8010	18700	8210	11500	26300	19900	21600	26100	19000	22900
8	10700	4740	7630	21300	10800	13500	26500	18100	22300	26000	19600	23100
9	12800	5680	7470	21600	11300	14900	26500	20600	22800	25900	18800	21800
10	13900	6430	9030	22100	14400	16700	26600	19200	22600	27600	19200	23300
11	14600	7530	10000	22300	16400	18300	26400	20400	22600	26600	16900	21900
12	14800	7940	9620	23500	17300	19100	25600	18900	21900	25300	19000	22100
13	14500	7890	9980	23800	17600	19700	25400	18500	22600	26900	18700	22700
14	16400	8030	10300	23700	17600	19800	25400	20200	22500	25900	18500	22600
15	15300	7740	10200	23000	17800	19600	25100	19700	22100	24700	19200	22800
16	13900	7480	9550	21400	17700	19300	25400	18900	21300	25000	18500	22500
17	12000	6230	8200	23700	17800	19900	25600	17800	21000	27000	18200	22600
18	9300	4540	6670	22800	16900	19500	26300	15500	21100	26600	19200	22800
19	8550	3530	5590	23800	16800	19500	26700	17100	20600	27200	19300	22700
20	10700	2730	5370	23100	16200	19200	24800	17600	20500	26400	21300	23100
21	11500	2520	5420	24900	16800	19900	26700	17100	21200	26400	21500	23100
22	11200	2400	5360	23800	17400	20000	24700	18800	21700	25900	21200	23100
23	12600	2750	5450	23400	18000	20100	25700	17200	21200	26000	20700	22600
24	12100	2510	5270	25900	17500	20000	26600	20400	22900	24800	21200	22800
25	13400	3630	6040	26200	18800	21300	26500	16400	21900	24800	20800	22600
26	13600	3940	6960	27000	19100	21500	24700	18300	21300	26800	21300	23100
27	10800	3290	6020	25700	18400	21200	22600	17700	19800	25900	20300	22600
28	10300	3560	5970	24600	19600	21400	23000	17700	19700	23200	18600	20600
29	8400	3990	5850	25100	18600	21000	23200	16200	20500	23200	17700	19800
30	9800	3650	5960	24200	17300	19900	21100	16200	18800	22600	17100	19500
31	---	---	---	23100	16100	19300	24000	15700	19300	---	---	---
MONTH	16400	1820	6900	27000	3240	16800	26700	15000	20900	27600	16300	22000

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.0	18.0	18.5	14.5	14.0	14.0	12.0	11.5	12.0	5.0	4.5	4.5
2	19.5	18.0	18.5	14.5	14.0	14.5	12.0	11.5	12.0	5.0	3.5	4.5
3	19.5	19.0	19.0	14.5	14.5	14.5	11.5	11.5	11.5	4.5	3.5	4.0
4	20.0	19.0	19.5	14.5	14.0	14.5	11.5	11.5	11.5	4.5	3.5	4.0
5	20.0	19.0	19.5	14.5	13.0	14.0	11.5	11.5	11.5	4.0	3.5	3.5
6	19.5	19.0	19.5	13.5	12.5	13.0	11.5	11.5	11.5	4.0	3.5	3.5
7	19.5	18.5	19.0	13.0	12.5	12.5	12.0	11.5	11.5	3.5	3.0	3.5
8	18.5	18.0	18.0	13.0	12.5	12.5	11.5	11.0	11.5	3.5	3.0	3.0
9	18.5	17.0	18.0	12.5	12.0	12.5	11.5	10.5	11.0	3.5	2.5	3.0
10	17.5	16.5	17.0	12.5	12.0	12.0	10.5	10.0	10.5	3.5	3.0	3.5
11	18.0	17.0	17.5	12.0	11.5	11.5	10.5	10.5	10.5	3.5	3.5	3.5
12	18.0	17.5	17.5	11.5	11.0	11.5	10.5	10.0	10.0	4.0	3.5	3.5
13	18.5	17.5	18.0	11.5	10.5	11.0	10.5	10.0	10.0	4.0	3.5	3.5
14	18.0	17.5	18.0	11.0	10.5	11.0	10.5	10.0	10.0	3.5	3.5	3.5
15	18.0	17.5	18.0	11.0	10.5	11.0	10.5	10.0	10.0	4.0	3.5	4.0
16	18.0	17.5	17.5	11.5	11.0	11.0	10.0	9.0	9.5	4.0	3.5	4.0
17	17.5	17.0	17.5	11.0	11.0	11.0	9.5	9.0	9.5	4.0	3.5	4.0
18	17.0	16.0	16.5	11.0	10.5	11.0	9.5	9.0	9.0	4.0	3.5	3.5
19	16.5	16.0	16.5	11.0	10.5	10.5	9.0	8.5	9.0	3.5	3.0	3.0
20	16.5	16.0	16.5	11.0	10.5	10.5	9.0	8.0	8.5	3.5	2.5	3.0
21	16.5	16.0	16.0	10.5	9.5	10.0	8.5	7.5	8.0	3.0	3.0	3.0
22	16.5	16.0	16.5	10.0	9.5	9.5	8.0	7.0	7.5	3.5	3.0	3.0
23	16.5	16.0	16.5	10.0	9.5	10.0	7.5	7.0	7.0	4.0	3.0	3.5
24	17.0	16.5	16.5	10.5	10.0	10.5	7.5	7.0	7.5	4.5	4.0	4.0
25	17.5	16.5	17.0	11.5	10.5	11.0	7.5	6.5	7.0	4.5	4.0	4.5
26	17.0	15.5	16.0	12.0	11.0	11.5	7.5	6.5	7.0	5.0	4.0	4.5
27	15.5	15.0	15.5	11.5	11.5	11.5	7.0	6.0	6.5	5.0	4.5	4.5
28	15.0	14.5	14.5	12.0	11.5	11.5	7.5	5.5	6.0	5.0	4.5	4.5
29	14.5	14.0	14.5	11.5	11.5	11.5	6.5	5.5	6.0	5.5	4.5	5.0
30	15.0	14.0	14.5	12.0	11.5	11.5	6.0	5.5	5.5	5.0	5.0	5.0
31	14.5	14.0	14.0	---	---	---	5.5	4.5	5.0	5.5	5.0	5.0
MONTH	20.0	14.0	17.1	14.5	9.5	11.8	12.0	4.5	9.1	5.5	2.5	3.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.0	5.0	5.0	5.0	4.5	5.0	8.5	7.5	8.0	12.5	11.5	12.0
2	5.0	4.5	4.5	5.0	4.5	5.0	8.0	7.5	8.0	12.5	12.0	12.0
3	5.0	4.5	4.5	5.5	5.0	5.5	9.0	8.0	8.5	13.0	12.0	12.5
4	4.5	4.0	4.5	5.5	4.5	5.0	8.5	8.0	8.0	14.0	12.0	13.0
5	4.0	3.5	4.0	5.0	4.0	4.5	8.5	8.0	8.0	14.5	13.0	13.5
6	4.0	3.5	3.5	5.0	4.0	4.5	8.0	7.5	7.5	15.0	13.5	14.0
7	4.0	3.5	4.0	5.0	4.0	4.5	8.5	7.0	7.5	16.0	14.0	15.0
8	4.5	3.5	4.0	5.0	4.5	5.0	8.0	7.5	7.5	16.0	14.0	15.0
9	4.5	4.0	4.0	6.0	5.0	5.5	9.0	8.0	8.5	15.5	14.0	14.5
10	4.5	4.0	4.5	6.5	5.5	6.0	10.0	9.0	9.5	16.5	14.0	15.5
11	4.5	4.0	4.5	6.0	5.0	5.5	10.5	9.0	9.5	16.0	14.5	15.5
12	4.5	3.5	4.0	6.0	5.0	5.5	10.0	9.5	9.5	15.5	14.5	15.0
13	4.0	3.5	4.0	5.5	5.5	5.5	10.5	9.5	10.0	14.5	14.0	14.5
14	4.0	3.0	3.5	7.5	5.5	6.0	11.5	10.0	10.5	15.0	14.0	14.5
15	3.5	3.0	3.5	7.0	6.0	6.5	12.0	10.0	11.0	15.0	14.0	14.5
16	4.0	3.5	3.5	6.5	6.0	6.5	11.5	11.0	11.5	15.5	14.5	15.0
17	4.0	3.5	4.0	6.0	5.5	6.0	12.5	11.0	11.5	16.0	15.0	15.5
18	4.0	3.0	3.5	6.0	5.5	6.0	13.0	12.0	12.0	15.5	14.5	15.0
19	4.0	3.0	3.5	6.0	5.5	6.0	13.0	12.0	12.5	15.5	14.0	14.5
20	4.5	4.0	4.0	6.0	6.0	6.0	12.5	12.0	12.5	14.5	14.0	14.0
21	5.5	4.5	5.0	7.0	5.5	6.0	12.5	12.0	12.5	14.5	13.5	14.0
22	5.0	5.0	5.0	6.0	5.0	5.5	12.5	11.5	12.0	15.0	13.5	14.5
23	5.0	4.5	5.0	5.5	5.0	5.0	11.5	11.5	11.5	16.0	14.0	14.5
24	5.5	4.5	5.0	6.0	5.0	5.5	13.0	11.0	12.0	16.0	14.5	15.0
25	5.5	4.5	5.0	6.0	5.5	6.0	12.0	11.5	11.5	16.0	15.0	15.5
26	6.0	5.0	5.5	6.0	5.5	5.5	12.0	11.0	11.5	16.0	15.0	16.0
27	5.5	5.5	5.5	6.5	5.5	6.0	12.0	11.5	11.5	17.0	15.5	16.0
28	5.5	4.5	5.0	6.5	6.0	6.5	12.0	11.5	12.0	17.0	16.0	16.5
29	---	---	---	7.0	6.5	6.5	12.0	11.5	12.0	18.5	16.0	17.0
30	---	---	---	7.5	7.0	7.0	12.0	11.5	11.5	19.0	16.5	18.0
31	---	---	---	8.0	7.5	7.5	---	---	---	19.5	17.0	18.5
MONTH	6.0	3.0	4.3	8.0	4.0	5.7	13.0	7.0	10.3	19.5	11.5	14.9

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	18.0	19.0	26.0	24.5	25.0	27.5	26.0	27.0	23.5	22.5	23.0
2	20.0	18.5	19.5	26.5	24.5	25.5	29.5	26.5	27.5	23.0	22.0	22.5
3	19.5	18.5	19.0	27.5	25.0	26.5	28.5	26.5	27.5	24.0	22.0	23.0
4	20.0	18.5	19.0	28.5	25.5	27.0	29.5	27.0	28.0	24.5	23.0	23.5
5	20.5	19.0	19.5	27.5	25.0	26.5	28.5	27.0	28.0	24.0	23.0	23.5
6	20.0	19.0	19.5	25.5	24.5	25.0	27.5	26.0	27.0	23.5	23.0	23.5
7	19.0	18.5	19.0	25.5	23.5	24.5	26.5	25.5	26.0	23.5	23.0	23.5
8	20.0	18.5	19.0	26.5	23.0	24.5	26.0	25.5	26.0	24.0	23.0	23.5
9	20.5	18.5	19.0	26.0	23.0	25.0	26.0	25.5	25.5	24.0	23.0	23.5
10	21.5	19.0	20.0	25.5	23.0	24.5	26.0	25.0	25.5	24.5	23.5	24.0
11	21.5	18.5	20.0	24.0	23.0	23.5	26.0	25.0	25.5	24.0	23.5	24.0
12	21.0	19.5	20.5	24.5	22.5	23.5	26.5	25.5	26.0	23.5	23.0	23.0
13	20.5	19.5	20.0	24.0	22.5	23.5	26.5	25.5	26.0	23.5	23.0	23.0
14	20.0	19.5	20.0	24.0	23.0	23.5	27.0	26.0	26.5	23.5	22.5	23.0
15	20.0	19.5	19.5	24.5	23.0	24.0	27.5	26.0	26.5	23.5	23.0	23.0
16	20.5	19.5	20.0	24.5	23.5	24.0	27.5	26.5	27.0	23.5	23.0	23.0
17	21.0	19.5	20.0	25.5	23.5	24.5	28.0	26.5	27.0	23.5	23.0	23.0
18	21.5	20.0	20.5	26.0	24.0	25.0	29.0	26.5	27.5	24.0	23.0	23.0
19	21.5	20.5	20.5	27.0	24.5	25.5	29.0	27.0	27.5	24.0	23.0	23.0
20	22.0	20.5	21.0	26.5	24.5	25.5	28.0	27.0	27.5	24.0	23.0	23.0
21	23.0	21.0	21.5	27.0	24.5	25.5	28.5	26.5	27.0	24.0	23.0	23.5
22	23.0	21.5	22.0	26.5	25.0	25.5	27.0	26.5	26.5	24.0	23.0	23.5
23	23.5	21.5	22.5	27.0	25.0	26.0	26.5	26.0	26.5	23.5	23.0	23.5
24	24.0	22.0	23.0	27.0	25.0	26.0	26.0	25.5	26.0	23.0	22.5	23.0
25	25.0	22.5	23.5	26.5	25.0	25.5	26.5	25.5	26.0	23.0	22.5	22.5
26	24.5	22.5	23.5	25.5	25.0	25.5	26.5	25.5	26.0	22.5	22.0	22.0
27	26.0	23.0	24.5	25.0	24.5	25.0	26.0	25.5	26.0	22.0	21.0	21.5
28	25.5	23.5	24.5	25.5	24.5	25.0	26.0	25.0	25.5	22.0	21.5	21.5
29	25.5	24.0	24.5	26.5	24.5	25.5	25.0	24.0	24.5	22.0	21.0	21.5
30	25.5	24.0	25.0	26.5	25.0	26.0	24.5	23.5	24.0	22.5	21.0	21.5
31	---	---	---	27.5	25.5	26.5	24.0	23.0	23.5	---	---	---
MONTH	26.0	18.0	21.0	28.5	22.5	25.1	29.5	23.0	26.3	24.5	21.0	22.9

RESERVOIRS IN HUDSON RIVER BASIN

01335900 DELTA RESERVOIR.--Lat 43°16′29″, long 75°25′43″, Oneida County, Hydrologic Unit 02020004, on superstructure of gatehouse at Delta Dam on Mohawk River, and 4 mi upstream from Rome. **DRAINAGE AREA**, 148 mi^2. **PERIOD OF RECORD**, May 1913 to current year. **REVISED RECORDS**, WDR NY-85-1: Drainage area. **GAGE**, nonrecording gage read daily at 0800. Datum of gage is Barge Canal datum.

Dam completed Aug. 3, 1912, and controlled storage for which records are available began May 1, 1913. Usable capacity 2,800 mil ft^3 at crest of spillway, elevation 550.0 ft. Reservoir is used for navigation in Barge Canal. Records provided by New York State Thruway Authority.

EXTREMES FOR PERIOD OF RECORD (1951 to current year).--Maximum contents observed, 3,136 mil ft^3, June 22, 1972, Apr. 17, 1994, Jan. 9, 1998, elevation, 552.8 ft; minimum observed, 2.0 mil ft^3, Jan. 10, 13, 16-21, Feb. 7-15, Feb. 22 to Mar. 2, 1959, elevation, 492.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 3,040 mil ft^3, Apr. 15, May 14, elevation, 552.0 ft; minimum observed, 1,696 mil ft^3, Jan. 29, elevation, 539.4 ft.

01343900 HINCKLEY RESERVOIR.--Lat 43°18′41″, long 75°06′30″, Oneida County, Hydrologic Unit 02020004, on south side of north gatehouse at Hinckley Dam on West Canada Creek at Hinckley, and 2.2 mi east of Prospect. **DRAINAGE AREA**, 372 mi^2. **PERIOD OF RECORD**, March 1914 to current year. **REVISED RECORDS**, WDR NY-85-1: Drainage area. **GAGE**, water-stage recorder. Datum of gage is Barge Canal datum.

Reservoir is formed by earth and concrete dam; storage began March 1914. Usable capacity 3,320 mil ft^3 between elevation 1,173.5 and 1,225.0 ft. Elevation of inverts of four 60-inch discharge pipes at north end of spillway is 1,169.5 ft, and elevation of inverts of two 42-inch pipes at south end for diverting water to city of Utica is 1,164.25 ft. Crest of Ogee spillway is at elevation 1,225.0 ft. Length of spillway is 400 ft. Area of water surface at crest elevation is 4.46 mi^2. Telephone gage-height telemeter at station. Records provided by New York Power Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 4,041 mil ft^3, Oct. 2, 1945, elevation, 1,230.2 ft; minimum observed (after initial filling), not determined.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,776 mil ft^3, Apr. 15, elevation, 1,228.4 ft; minimum, 1,025 mil ft^3, Nov. 20, 21, elevation, 1,198.9 ft.

01350100 SCHOHARIE RESERVOIR (see station for mean daily elevations, skeleton capacity table, monthly contents and change in contents).

01363400 ASHOKAN RESERVOIR.--Lat 41°57′01″, long 74°12′30″, Ulster County, Hydrologic Unit 02020006, at gatehouse located at Dividing Weir Dyke, and 1.6 mi south of Shokan. **DRAINAGE AREA**, 256 mi^2. **PERIOD OF RECORD**, September 1913 to current year. **REVISED RECORDS**, WDR NY-72-1: 1968. WDR NY-83-1: (M)(m). **GAGE**, nonrecording gage read daily at 0800. Datum of gage is NGVD of 1929 (levels by Board of Water Supply, City of New York).

The reservoir is formed by the masonry Olive Bridge Dam across Esopus Creek and a series of earth embankments between hills. The reservoir is divided into two basins separated by a weir containing a gatehouse. Storage began Sept. 9, 1913. Usable capacity of West basin 47,180 mil gal between minimum operating level elevation 495.50 ft and crest of spillway to East basin, elevation 590.00 ft; dead storage below minimum operating level 2,237 mil gal. Usable capacity of East basin 80,678 mil gal between elevation 500.00 ft and crest of spillway, elevation 587.10 ft; no dead storage. Figures given herein represent total contents for each basin. Reservoir impounds water for diversion into Catskill Aqueduct for New York City water supply (see elsewhere in this section). Any flood spillage enters the Esopus Creek channel below Olive Bridge Dam. Records provided by Department of Environmental Protection, City of New York.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, in West basin, 54,001 mil gal, Mar. 31, 1951, elevation, 594.33 ft, in East basin, 89,411 mil gal, Mar. 31, 1951, elevation, 592.23 ft; minimum observed, in West basin, 9,098 mil gal, Oct. 24, 1926, elevation, 530.56 ft, in East basin, 8,394 mil gal, Oct. 24, 1926, elevation, 525.91 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, in West basin, 39,468 mil gal, June 19, 20, elevation, 579.62 ft, in East basin, 67,096 mil gal, June 30, July 2, elevation, 578.71 ft; minimum observed, in West basin, 20,286 mil gal, Jan. 31, elevation, 554.43 ft, in East basin, 16,170 mil gal, Mar. 14, elevation, 536.13 ft.

01366400 RONDOUT RESERVOIR.--Lat 41°47′57″, long 74°25′48″, Ulster County, Hydrologic Unit 02020007, at release chamber at Merriman Dam on Rondout Creek, 1.1 mi upstream from Brandy Brook, and 1.3 mi northwest of Lackawack. **DRAINAGE AREA**, 95.4 mi^2. **PERIOD OF RECORD**, May 1951 to current year. **GAGE**, water-stage recorder. Datum of gage is NGVD of 1929 (levels by Board of Water Supply, City of New York).

Reservoir is formed by an earthfill rockfaced dam; storage began May 10, 1951. Initial filling (to crest of spillway) Mar. 28, 1955. Usable capacity 50,048 mil gal between minimum operating level, elevation, 720.00 ft and crest of spillway, elevation, 840.00 ft. Dead storage below elevation 720.00 ft, 2,387 mil gal. Figures given herein represent total contents. Reservoir impounds water from Rondout Creek; water diverted from Cannonsville Reservoir in the Delaware River basin through West Delaware Tunnel; water diverted from Pepacton Reservoir through East Delaware Tunnel; and water diverted from Neversink Reservoir through Neversink-Grahamsville Tunnel. Water is diverted from Rondout Reservoir for New York City water supply through West Branch Tunnel of Delaware Aqueduct (see elsewhere in this section). Records provided by New York City Department of Environmental Protection.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 53,458 mil gal, Apr. 5, 1987, elevation, 841.49 ft; minimum observed (after initial filling), 8,335 mil gal, Oct. 15, 1957, elevation, 748.75 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 52,006 mil gal, Oct. 26, elevation, 839.37 ft; minimum observed, 45,804 mil gal, Jan. 31, elevation, 829.96 ft.

RESERVOIRS IN HUDSON RIVER BASIN--Continued

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet) †	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)	Elevation (feet) *	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)
	01335900 Delta Reservoir			**01343900 Hinckley Reservoir**		
Sept. 30	543.3	2,070		1,204.8	1,426	
Oct. 31	543.6	2,100	+ 11.2	1,201.0	1,163	- 98.2
Nov. 30	544.4	2,180	+ 30.9	1,201.8	1,217	+ 20.8
Dec. 31	541.9	1,930	- 93.4	1,202.6	1,271	+ 20.2
CAL YR 2001	--	--	+ 8.28	--	--	- 22.4
Jan. 31	539.9	1,741	- 70.5	1,201.6	1,203	- 25.4
Feb. 28	544.7	2,210	+194	1,212.0	1,996	+328
Mar. 31	551.2	2,944	+274	1,206.5	1,552	-166
Apr. 30	550.9	2,908	- 13.9	1,224.5	3,260	+659
May 31	551.0	2,920	+ 4.48	1,223.7	3,165	- 35.5
June 30	550.2	2,824	- 37.0	1,224.9	3,308	+ 55.2
July 31	548.5	2,625	- 74.3	1,215.8	2,332	-364
Aug. 31	546.4	2,394	- 86.3	1,207.4	1,622	-265
Sept. 30	543.3	2,070	-125	1,206.2	1,529	- 35.9
WTR YR 2002	--	--	0.0	--	--	+ 3.27

Date	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft^3/s)	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft^3/s)	Elevation (feet) **	Contents (million gallons)	Change in contents (equivalent in ft^3/s)
	01363398 Ashokan Reservoir West Basin			**01363399 Ashokan Reservoir East Basin**			**01366400 Rondout Reservoir**		
Sept. 30	571.60	32,650		574.73	60,987		836.10	49,807	
Oct. 31	574.19	34,774	+106	564.14	46,350	- 731	838.67	51,531	+ 86.0
Nov. 30	561.59	25,056	-501	560.90	42,212	- 213	837.30	50,608	- 47.6
Dec. 31	565.76	28,079	+151	550.35	29,892	- 615	834.14	48,512	-105
CAL YR 2001	--	--	- 89.3	--	--	- 182	--	--	+ 3.4
Jan. 31	554.43	20,286	-389	546.68	26,090	- 190	830.17	45,939	-128
Feb. 28	567.01	29,040	+484	538.30	18,092	- 442	835.48	49,396	+191
Mar. 31	574.91	35,365	+316	546.01	25,402	+ 365	835.79	49,601	+ 10.2
Apr. 30	568.86	30,462	-253	564.49	46,797	+1,103	837.27	50,588	+ 50.9
May 31	577.32	37,462	+349	573.99	59,921	+ 655	837.19	50,534	- 2.7
June 30	578.82	38,770	+ 67.5	578.71	67,096	+ 370	836.62	50,153	- 19.6
July 31	574.97	35,414	-168	578.10	66,155	- 47.0	838.02	51,092	+ 46.9
Aug. 31	572.67	33,528	- 94.1	575.19	61,669	- 224	837.16	50,514	- 28.8
Sept. 30	575.39	35,779	+116	569.04	52,884	- 453	835.52	49,422	- 56.3
WTR YR 2002	--	--	+ 13.3	--	--	- 34.3	--	--	- 1.6

† Elevation at 2400 hours by interpolation.
* Elevation at 2400 hours.
E Estimated.
†† Elevation at 0800 hours on last day of month.
** Elevation at daily reading on first day of following month.

DIVERSIONS IN HUDSON RIVER BASIN

Undetermined diversion at Solsville from Chenango River in Susquehanna River basin into Oriskany Creek in Mohawk River Basin through Oriskany Creek Feeder.

Undetermined diversion from (and occasionally into) Oswego River, tributary to Lake Ontario, through Summit level of Erie (Barge) Canal.

Undetermined diversion from Black River tributary into Lake Ontario through Black River canal into Mohawk River in Hudson River basin.

Undetermined diversion from Hudson River basin to summit level of Champlain (Barge) Canal.

01343899 Diversion from Hinckley Reservoir (see preceding pages) for municipal supply of Utica. Diversion began prior to 1921. Records provided by Utica Board of Water Supply.

01362230 Diversion from Schoharie Reservoir (see station for mean daily discharges) on Schoharie Creek through Shandaken Tunnel to Esopus Creek at lat 42°06′52″, long 74°21′51″, near Phoenicia, Ulster County. No diversion prior to 1924.

01363401 Diversion from Ashokan Reservoir (see preceding pages) on Esopus Creek through the Catskill Aqueduct for municipal supply of New York City. Completed in 1917. Records provided by Department of Environmental Protection, City of New York.

01366399 Diversion from Rondout Reservoir. Total diversion from Rondout Reservoir to Delaware Aqueduct for municipal supply of City of New York. Rondout Reservoir is a collection basin for diversion from: Cannonsville Reservoir, Pepacton Reservoir, and Neversink Reservoir in the Delaware River basin and the Rondout Creek in the Hudson River basin. Diversion began April 1944 by means of temporary emergency connection to aqueduct. Records provided by Bureau of Water Resources Development, City of New York.

01367630 Diversion from Morris Lake, tributary to Wallkill River, by Newtown Water and Sewer Authority for municipal use in New Jersey. After use the water is released into the Paulins Kill (Delaware River basin). Records available from the Delaware River Basin Commission.

DIVERSION, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Month	01343899 Hinckley Reservoir	01363401 Ashokan Reservoir	01366399 Rondout Reservoir
October.....	29.4	828	993
November.....	28.6	810	927
December.....	28.8	848	786
CAL YR 2001	30.3	753	1,132
January.....	30.3	853	712
February.....	31.6	544	767
March.....	31.1	546	937
April.....	30.2	549	940
May.....	30.2	547	874
June.....	30.3	523	1,070
July.....	33.6	546	1,290
August.....	35.1	544	1,303
September.....	30.9	594	1,087
WTR YR 2002	30.8	645	975

01376800 HACKENSACK RIVER AT WEST NYACK, NY

LOCATION.--Lat 41°05'44", long 73°57'52", Rockland County, Hydrologic Unit 02030103, on right bank 20 ft downstream from Penn Central Transportation Co. railroad bridge at West Nyack, 1,000 ft upstream from State Highway 59, and 1.0 mi downstream from DeForest Lake.
DRAINAGE AREA.--30.7 mi^2.
PERIOD OF RECORD.--December 1958 to current year.
REVISIONS.--WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder, stop-log control, and crest-stage gage. Datum of gage is 53.50 ft above NGVD of 1929 (levels by Hackensack Water Co.).
REMARKS.--No estimated daily discharges. Records fair. Flow regulated by DeForest Lake (see Reservoirs in Hackensack River Basin). Diversion from gaging station pool for municipal supply for village of Nyack (see Diversions in Hackensack River Basin). Discharge given for this station represents the flow of Hackensack River downstream from this diversion.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,740 ft^3/s, Sept. 16, 1999, gage height, 11.21 ft, from floodmarks in gage house, from rating curve extended above 840 ft^3/s; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 366 ft^3/s, July 19, gage height, 5.72 ft; minimum discharge, 1.9 ft^3/s, Aug. 3, gage height, 2.23 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

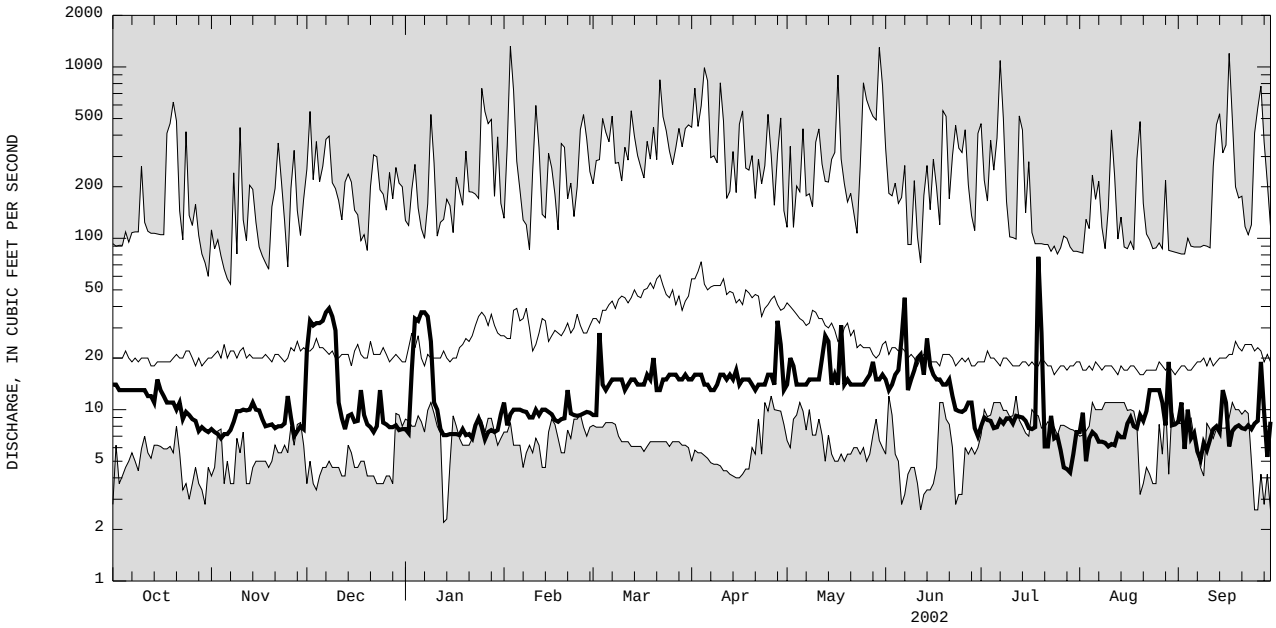
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	7.7	22	7.7	11	9.3	15	14	15	8.0	7.4	8.5
2	14	7.4	33	7.3	8.1	9.3	16	20	13	9.0	9.6	11
3	13	7.2	31	17	9.4	28	16	18	14	8.7	5.0	5.9
4	13	6.8	32	34	10	14	16	14	16	8.6	6.8	10
5	13	7.2	32	33	10	13	14	14	17	7.8	7.4	6.8
6	13	7.2	33	37	10	14	14	14	26	7.9	7.1	7.3
7	13	7.6	37	37	9.8	15	13	14	45	8.7	6.5	5.7
8	13	8.5	39	35	9.7	15	13	15	13	8.3	6.5	5.1
9	13	9.8	35	25	9.0	15	14	15	15	8.9	6.4	6.4
10	13	9.8	29	11	9.0	15	16	15	17	8.9	6.1	5.8
11	13	10	11	10	10	13	16	15	20	8.3	6.3	6.7
12	12	9.9	8.9	7.7	9.3	14	15	20	21	9.2	6.2	7.7
13	12	10	7.7	7.1	10	15	16	27	16	9.1	7.2	8.0
14	11	11	9.2	7.1	10	15	15	25	26	9.0	6.9	7.4
15	15	10	9.4	7.2	9.7	14	17	14	18	8.6	6.9	13
16	13	9.9	8.5	7.2	9.4	14	14	16	16	7.8	8.3	11
17	12	8.8	8.6	7.2	8.7	14	15	14	15	7.7	9.0	6.1
18	11	8.0	13	7.1	8.5	16	15	31	15	7.9	8.0	7.5
19	11	8.1	9.3	7.7	8.8	15	15	14	14	78	7.8	7.9
20	11	8.2	8.2	7.1	8.9	20	14	15	14	28	9.3	8.1
21	10	7.8	7.9	7.2	13	13	13	14	15	6.1	8.6	7.8
22	11	8.0	7.4	6.8	9.5	13	14	14	12	6.1	9.8	7.7
23	8.8	8.0	8.0	8.1	9.3	15	14	14	10	9.2	13	8.1
24	9.7	8.3	13	8.9	9.2	15	14	14	9.8	6.8	13	7.7
25	9.3	12	8.4	7.9	9.3	16	16	14	9.7	7.0	13	8.3
26	8.8	9.0	8.2	6.7	9.5	16	16	15	10	5.8	13	8.6
27	8.6	7.0	7.9	7.4	9.7	16	14	16	11	4.6	11	19
28	7.5	7.5	7.9	7.6	9.6	15	33	19	11	4.5	8.1	9.6
29	7.9	8.0	8.1	7.4	---	15	24	15	7.8	4.3	19	5.3
30	7.6	7.7	7.6	7.6	---	16	13	15	7.0	5.5	8.1	8.5
31	7.4	---	7.7	9.4	---	15	---	16	---	7.4	8.2	---
TOTAL	349.6	256.4	508.9	404.4	268.4	462.6	470	510	469.3	325.7	269.5	246.5
MEAN	11.3	8.55	16.4	13.0	9.59	14.9	15.7	16.5	15.6	10.5	8.69	8.22
MAX	15	12	39	37	13	28	33	31	45	78	19	19
MIN	7.4	6.8	7.4	6.7	8.1	9.3	13	14	7.0	4.3	5.0	5.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2002, BY WATER YEAR (WY)

MEAN	30.2	29.7	36.7	40.9	46.5	67.2	69.8	49.5	34.5	31.6	26.7	33.8
MAX	84.2	88.6	135	125	152	151	204	162	162	127	83.3	105
(WY)	1990	1976	1997	1978	1973	1961	1983	1989	1972	1984	1966	1999
MIN	7.27	7.59	5.63	8.95	9.59	6.95	9.61	7.04	12.7	10.1	8.69	8.22
(WY)	1967	1967	1967	1967	2002	1981	1966	1965	1981	1999	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1959 - 2002	
ANNUAL TOTAL	9536.7		4541.3			
ANNUAL MEAN	26.1		12.4		41.5	
HIGHEST ANNUAL MEAN					74.1	1984
LOWEST ANNUAL MEAN					12.4	2002
HIGHEST DAILY MEAN	437	Mar 30	78	Jul 19	1320	Feb 3 1973
LOWEST DAILY MEAN	6.8	Nov 4	4.3	Jul 29	2.2	Jan 13 1996
ANNUAL SEVEN-DAY MINIMUM	7.3	Oct 31	5.5	Jul 24	3.1	Sep 25 1966
10 PERCENT EXCEEDS	59		18		84	
50 PERCENT EXCEEDS	13		10		23	
90 PERCENT EXCEEDS	8.3		7.1		12	

01376800 HACKENSACK RIVER AT WEST NYACK, NY--Continued



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.

01377000 HACKENSACK RIVER AT RIVERVALE, NJ

LOCATION.--Lat 40°59'57", long 73°59'23" (revised), Bergen County, Hydrologic Unit 02030103, on upstream right bank at bridge on Westwood Avenue in Rivervale, 1.5 mi upstream from Pascack Brook, 4.1 mi downstream of Lake Tappan, and 4.6 mi upstream from Oradell Dam.

DRAINAGE AREA.--58.0 mi^2.

PERIOD OF RECORD.--October 1941 to current year.

REVISED RECORDS.--WDR-NJ-80-1: 1968-79(M).

GAGE.--Water-stage recorder, crest-stage gages, and concrete control. Datum of gage is 22.51 ft above sea level.

REMARKS.--Records good. Flow regulated by De Forest Lake (since 1956) and Lake Tappan (since 1965), see Hackensack River basin, reservoirs in. Diversions from De Forest Lake and West Nyack, NY, for municipal water supply (see Hackensack River basin, diversions). Several measurements of water temperature were made during the year. United Water New Jersey (formerly Hackensack Water Co.) gage-height telemeter at station. All data for this site are collected, stored, and reported in local standard time.

COOPERATION.--Gage-height record collected in cooperation with United Water New Jersey.

DISCHARGE, in CFS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

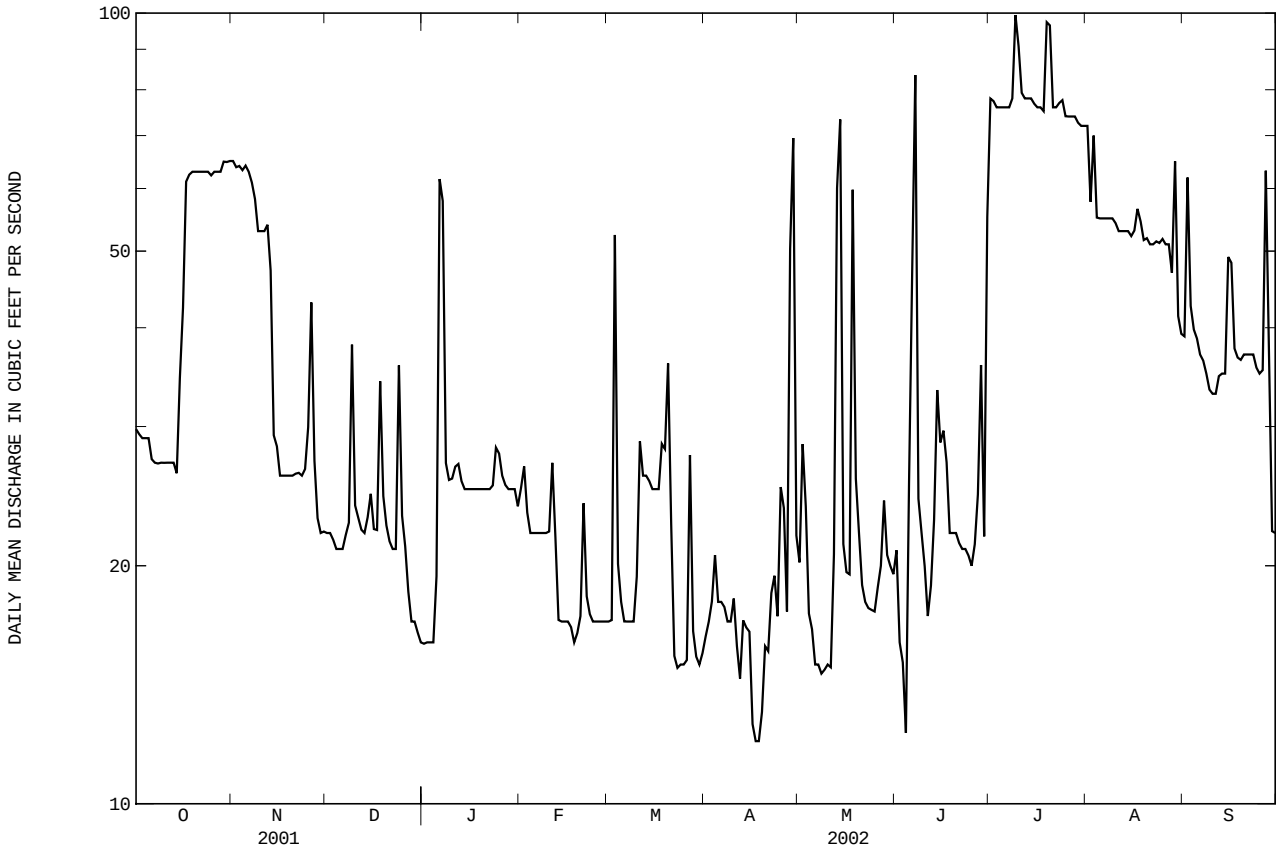
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	65	22	16	25	17	16	20	21	78	72	39
2	29	64	22	16	27	17	17	29	16	77	58	62
3	29	64	22	16	23	52	18	24	15	76	70	43
4	29	63	21	16	22	20	21	17	12	76	55	40
5	29	64	21	19	22	18	18	17	25	76	55	39
6	27	63	21	62	22	17	18	15	47	76	55	37
7	27	61	22	58	22	17	18	15	83	76	55	36
8	27	58	23	27	22	17	17	15	24	78	55	35
9	27	53	38	26	22	17	17	15	22	99	55	33
10	27	53	24	26	22	19	18	15	20	91	54	33
11	27	53	23	27	27	29	16	15	17	79	53	33
12	27	54	22	27	22	26	14	21	19	78	53	35
13	27	47	22	26	17	26	17	60	23	78	53	35
14	26	29	23	25	17	26	17	73	33	78	53	35
15	35	28	25	25	17	25	17	21	29	77	52	49
16	42	26	22	25	17	25	13	20	30	76	53	48
17	61	26	22	25	17	25	12	20	27	76	57	38
18	62	26	34	25	16	29	12	60	22	75	54	37
19	63	26	24	25	16	28	13	26	22	97	52	36
20	63	26	22	25	17	36	16	22	22	96	52	37
21	63	26	21	25	24	23	16	19	21	76	51	37
22	63	26	21	25	18	15	18	18	21	76	51	37
23	63	26	21	25	17	15	19	18	21	77	51	37
24	63	27	36	28	17	15	17	18	21	78	51	36
25	62	30	23	28	17	15	25	18	20	74	52	35
26	63	43	21	26	17	15	24	19	21	74	51	35
27	63	27	19	25	17	28	18	20	25	74	51	63
28	63	23	17	25	17	17	50	24	36	74	47	37
29	65	22	17	25	---	15	70	21	22	73	65	22
30	65	22	16	25	---	15	22	20	55	72	41	22
31	65	---	16	24	---	16	---	20	---	72	39	---
TOTAL	1412	1221	703	818	556	675	604	735	792	2433	1666	1141
MEAN	45.55	40.70	22.68	26.39	19.86	21.77	20.13	23.71	26.40	78.48	53.74	38.03
MAX	65	65	38	62	27	52	70	73	83	99	72	63
MIN	26	22	16	16	16	15	12	15	12	72	39	22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2002, BY WATER YEAR (WY)

MEAN	59.24	68.65	77.28	85.73	88.86	131.9	135.4	99.22	74.70	77.42	69.37	64.75
MAX	312	240	248	251	221	379	438	310	319	339	197	177
(WY)	1956	1956	1997	1949	1951	1953	1983	1989	1972	1945	1955	1975
MIN	12.1	16.6	12.6	22.6	19.9	11.2	14.5	20.4	13.4	11.6	11.4	7.87
(WY)	1942	1996	1981	1982	2002	1981	1981	1981	1957	1954	1944	1953

01377000 HACKENSACK RIVER AT RIVERVALE, NJ--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1942 - 2002	
ANNUAL TOTAL	23746		12756			
ANNUAL MEAN	65.06		34.95		86.02	
HIGHEST ANNUAL MEAN					156	1952
LOWEST ANNUAL MEAN					30.9	1981
HIGHEST DAILY MEAN	1080	Jun 18	99	Jul 9	2190	May 31 1984
LOWEST DAILY MEAN	16	Dec 30	12	many days	4.4	Oct 10 1995
ANNUAL SEVEN-DAY MINIMUM	18	Dec 25	14	Apr 15	5.0	Oct 7 1995
MAXIMUM PEAK FLOW			229	Jul 19	2530	May 17 1989
MAXIMUM PEAK STAGE			2.46	Jul 19	8.08	May 17 1989
INSTANTANEOUS LOW FLOW			10	Jun 4	0.00	Jan 16 1970
10 PERCENT EXCEEDS	113		67		165	
50 PERCENT EXCEEDS	43		26		59	
90 PERCENT EXCEEDS	23		17		21	



RESERVOIRS IN HACKENSACK RIVER BASIN

01376700 DE FOREST LAKE.--Lat 41°06′23″, long 73°58′01″, Rockland County, NY, Hydrologic Unit 02030103, at dam on Hackensack River, 0.8 mi north of West Nyack, NY. DRAINAGE AREA, 27.5 mi^2. PERIOD OF RECORD, February 1956 to current year.

REVISED RECORDS.--WDR NJ-84-1: Drainage area, WDR NJ-99-1: 1998 (elevation, contents). GAGE, water-stage recorder. Datum of gage is above NGVD of 1929.

REMARKS.--Reservoir is formed by earthfill dam with sheet piling cutoff and concrete spillway; dam completed and storage began in February 1956. Crest of dam topped by two 50 ft Bascule Gates, 5 ft high. Capacity 5,670,000,000 gal, elevation, 85.00 ft, top of Bascule gates. Flow regulated by 12-inch Howell-Bunger valve at elevation, 59.25 ft and 24-inch Howell-Bunger valve at elevation, 61.25 ft. Reservoir used for storage and water released by United Water New Jersey, for municipal water supply.

COOPERATION.--Records provided by United Water New Jersey (formerly Hackensack Water Company).

01376950 LAKE TAPPAN.--Lat 41°01′05″, long 74°00′05″, Bergen County, Hydrologic Unit 02030103, at dam on Hackensack River, 0.5 mi north of Old Tappan. DRAINAGE AREA, about 49.0 mi^2. PERIOD OF RECORD, October 1966 to current year.

REVISED RECORDS, WDR NJ-89-1: Capacity, WDR NJ-99-1: 1998 (elevation, contents). GAGE, water-stage recorder. Datum of gage is above NGVD of 1929.

REMARKS.--Reservoir is formed by earthfill dam, completed in 1966. Capacity, 3,853,000,000 gal, elevation, 55.00 ft at top of Bascule gates. Flow regulated by four Bascule gates and one sluice gate. Water is released for diversion at New Milford (diversion discontinued May 1990) and Haworth by United Water New Jersey, for municipal water supply.

COOPERATION.--Records provided by United Water New Jersey (formerly Hackensack Water Company).

01377450 WOODCLIFF LAKE.--Lat 41°00′46″, long 74°02′58″, Bergen County, Hydrologic Unit 02030103, at dam on Pascack Brook, 0.7 mi north of Hillsdale. DRAINAGE AREA, 19.4 mi^2. PERIOD OF RECORD, December 1929 to current year. Monthend contents only, prior to September 1953, published in WSP 1302, 1722.

REVISED RECORDS, WDR NJ-89-1: Capacity, WDR NJ-99-1: 1998 (elevation, contents). GAGE, water-stage recorder. Datum of gage is above NGVD of 1929.

REMARKS.--Reservoir is formed by earthfill dam, completed about 1905. The dam was modified in 1984, which increased capacity, 871,000,000 gal, elevation, 95.00 ft at top of Bascule gates. Flow is regulated by two Bascule gates 85 ft long and 6 ft high each and one 24-inch Ball valve. Water is released for diversion at New Milford (diversion discontinued May 1990) and Haworth by United Water New Jersey, for municipal supply.

COOPERATION.--Records provided by United Water New Jersey (formerly Hackensack Water Company).

01378480 ORADELL RESERVOIR.--Lat 40°57′22″, long 74°01′46″, Bergen County, Hydrologic Unit 02030103, at dam on Hackensack River at Oradell. DRAINAGE AREA, 113 mi^2. PERIOD OF RECORD, December 1922 to current year. Monthend contents only, prior to September 1953, published in WSP 1302, 1722.

REVISED RECORDS.--WDR NJ-84-1: Spillway elevation, WDR NJ-89-1: Capacity, WDR NJ-99-1: 1998 (elevation, contents). GAGE, water-stage recorder. Datum of gage is above NGVD of 1929.

REMARKS.--Reservoir is formed by hollow concrete dam, completed in 1922. Capacity at spillway level, 3,507,000,000 gal, elevation, 23.16 ft. Flow regulated by seven sluice gates (7 by 9 ft). Prior to May 1990, water was released for diversion by United Water New Jersey, 1 mi downstream from dam for municipal supply. Water is diverted from reservoir at Haworth by United Water New Jersey, for municipal supply.

COOPERATION.--Records provided by United Water New Jersey (formerly Hackensack Water Company).

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)†	Contents (million gallons)	Change in contents (equivalent in ft^3/s)	Elevation (feet)†	Contents (million gallons)	Change in contents (equivalent in ft^3/s)
	01376700 DE FOREST LAKE			01376950 LAKE TAPPAN		
Sept.30.....	81.19	4,476		50.15	2,249	
Oct. 31.....	79.30	3,909	-28.3	48.08	1,672	-28.8
Nov. 30.....	77.82	3,476	-22.3	46.69	1,321	-18.1
Dec. 31.....	76.36	3,060	-20.8	47.76	1,587	+13.3
CAL YR 2001			-7.1			-3.2
Jan. 31.....	75.07	2,698	-18.1	47.97	1,643	+2.8
Feb. 28.....	74.45	2,527	-9.4	48.19	1,699	+3.1
Mar. 31.....	75.45	2,804	+13.8	49.46	2,051	+17.6
Apr .30.....	75.77	2,894	+4.6	50.95	2,492	+22.7
May 31.....	77.65	3,495	+30.0	53.25	3,240	+37.3
June 30.....	79.22	3,885	+20.1	54.56	3,695	+23.5
July 31.....	78.64	3,716	-8.4	51.71	2,731	-48.1
Aug. 31.....	76.86	3,202	-25.6	49.55	2,076	-32.7
Sept.30.....	76.56	3,115	-4.5	48.75	1,850	-11.7
WTR YR 2002			-5.8			-1.7

Date						
	01377450 WOODCLIFF LAKE			01378480 ORADELL RESERVOIR		
Sept.30.....	88.19	511		20.31	2,775	
Oct. 31.....	85.96	408	-5.1	19.24	2,522	-12.6
Nov. 30.....	85.95	407	-.1	18.23	2,289	-12.0
Dec. 31.....	85.97	408	+.1	17.83	2,199	-4.5
CAL YR 2001			-.5			-2.6
Jan. 31.....	85.94	407	-.1	17.59	2,145	-2.7
Feb. 28.....	85.93	406	-.1	17.21	2,061	-4.6
Mar. 31.....	86.85	448	+2.1	18.29	2,302	+12.0
Apr. 30.....	90.53	628	+9.3	20.94	2,931	+32.4
May 31.....	93.90	810	+9.1	20.96	2,936	+.2
June 30.....	93.66	797	-.7	20.50	2,822	-5.9
July 31.....	92.32	723	-3.7	20.44	2,808	-.7
Aug. 31.....	92.44	730	+.3	19.55	2,593	-10.7
Sept.30.....	92.58	737	+.4	21.20	2,996	+20.8
WTR YR 2002			+1.0			+.9

† Elevation at 2400 of the last day of each month.

DIVERSIONS INTO AND FROM HACKENSACK RIVER BASIN

01376272 United Water New Jersey, diverts water from Sparkill Creek (Hudson River basin) at foot of Danny Lane in Northvale, 300 ft south of New York-New Jersey state line and 0.6 mi upstream from Sparkill Brook. Water is diverted into Oradell Reservoir on the Hackensack River, for municipal supply. Records provided by United Water New Jersey (formerly Hackensack Water Company).

01376699 United Water New York, diverts water from De Forest Lake for municipal supply in Rockland County, NY. Records provided by United Water New York (formerly Spring Valley Water Company).

01376810 Village of Nyack, NY, diverts water from Hackensack River 100 ft downstream from gaging station on Hackensack River at West Nyack, NY (station 01376800, measured flow does not include diversions) for municipal supply. Records provided by Board of Water Commissioners of Nyack, NY.

01378490 United Water New Jersey, diverts water for municipal supply from Oradell Reservoir at Haworth pumping station (station 01378478) 2.0 mi upstream from gaging station on Hackensack River at New Milford and prior to May 1990 from Hackensack River, at New Milford pumping station just upstream from gaging station on Hackensack River at New Milford, NJ (station 01378500). Diversion from the New Milford pumping station was discontinued in May 1990. Records provided by United Water New Jersey (formerly Hackensack Water Company).

01378521 (revised) United Water New Jersey, diverts water from Hirshfeld Brook, a tributary of the Hackensack River, below the gaging station on Hackensack River at New Milford, NJ, for municipal supply. Records provided by United Water New Jersey (formerly Hackensack Water Company).

01388981 United Water New Jersey diverts water from the Wanaque South pumping station on the Pompton River at Two Bridges, 750 ft upstream from the Passaic River, to Oradell Reservoir. Water can also be diverted from Wanaque Reservoir to Oradell Reservoir in the Hackensack River basin. Figures given herein include diversion from both sources. Prior to water year 1989, diversion was from Ramapo River at Pompton Lakes. Records provided by the United Water New Jersey.

01390520 (revised) United Water New Jersey, diverts water from Saddle River (Passaic River basin) 0.3 mi downstream from Grove Street in Paramus, and 0.3 mi upstream from Hohokus Brook. Water is diverted into Oradell Reservoir on the Hackensack River via Musquapsink and Pascack Brooks for municipal supply. Records provided by United Water New Jersey (formerly Hackensack Water Company).

DIVERSIONS, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

MONTH	01376699 UNITED WATER NEW YORK	01376810 WEST NYACK, NY	01378490 UNITED WATER NEW JERSEY
October	16.6	3.26	156
November	16.2	3.21	149
December	14.5	3.11	123
CAL YR 2001	15.0	3.17	158
January	13.2	3.47	116
February	7.93	3.17	116
March	6.63	3.11	144
April	10.0	3.17	110
May	11.1	3.02	136
June	13.6	2.86	151
July	13.7	3.11	188
August	16.8	3.02	181
September	12.8	2.87	150
WTR YR 2002	12.8	3.11	144

The following are diversions by pumpage from sources other than the Hackensack River into Oradell Reservoir. These figures are included in diversions from Hackensack River as noted above (station 01378490).

MONTH	01376272 SPARKILL CREEK (HUDSON RIVER BASIN)	01378521 HIRSHFELD BROOK (HACKENSACK RIVER BASIN)	01388981 POMPTON RIVER (PASSAIC RIVER BASIN)	01390520 SADDLE RIVER (PASSAIC RIVER BASIN)	WELLS TO SURFACE SUPPLY
October	0	1.16	59.7	5.14	2.47
November	0	1.79	57.8	6.45	2.39
December	.10	1.91	42.0	10.5	3.20
CAL YR 2001	.01	1.53	35.9	5.53	1.30
January	.81	1.85	35.4	10.8	3.63
February	.91	1.69	47.6	10.4	3.72
March	1.45	2.46	36.1	10.8	3.97
April	1.44	2.66	39.2	11.2	3.90
May	1.33	2.45	2.55	8.88	2.57
June	1.32	2.71	23.0	5.25	1.35
July	1.15	2.22	56.8	2.58	2.82
August	1.22	2.69	62.8	5.39	3.28
September	1.06	3.41	64.3	3.84	3.28
WTR YR 2002	.90	2.25	43.9	7.59	3.05

01387400 RAMAPO RIVER AT RAMAPO, NY

LOCATION.--Lat 41°08'25", long 74°10'08", Rockland County, Hydrologic Unit 02030103, on right bank, 105 ft downstream from highway bridge on New York State Thruway at Ramapo, 500 ft upstream from local bridge, and 0.3 mi upstream from Torne Brook.
DRAINAGE AREA.--86.9 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1936, 1952, 1956-58, 1977. June 1979 to current year.
REVISED RECORDS.--WDR NY-81-1: 1980(m). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 297.00 ft above NGVD of 1929.
REMARKS.--No estimated daily discharges. Records fair. Occasional regulation by Lake Sebago.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,700 ft^3/s, Apr. 5, 1984, gage height, 13.82 ft, from rating curve extended above 3,600 ft^3/s on basis of runoff comparison with station 1.5 mi downstream; minimum discharge, 5.3 ft^3/s, Aug. 7, 1983, gage height, 1.27 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 6,100 ft^3/s, Mar. 12, 1936, by computation of flow over dam.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,050 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 14	1430	*1,020	*4.25				

Minimum discharge, 8.4 ft^3/s, Oct. 27, 28, 29, gage height, 1.46 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

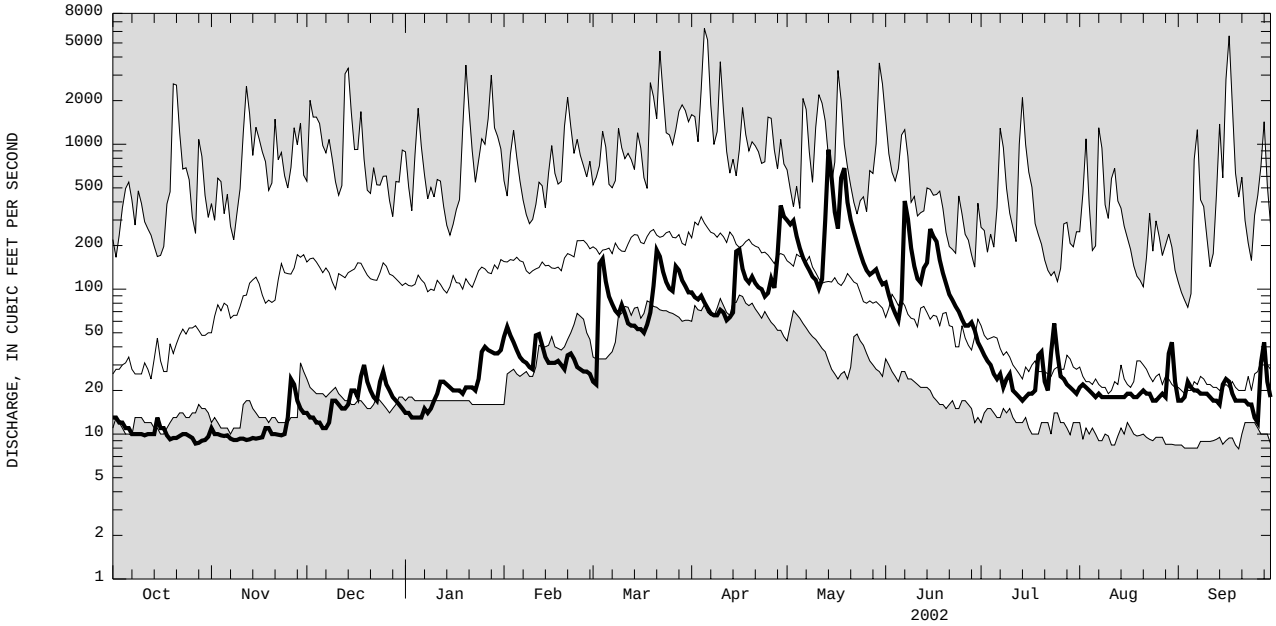
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	11	14	14	47	23	95	299	111	39	21	17
2	13	10	13	14	55	22	88	280	91	35	22	17
3	12	10	13	13	48	150	85	297	77	32	21	18
4	12	9.8	12	13	43	162	90	232	68	30	20	23
5	11	9.7	12	13	38	113	81	192	61	26	19	21
6	11	9.8	11	13	34	89	74	165	85	24	18	20
7	10	9.3	11	15	32	79	68	148	406	26	19	20
8	10	9.1	12	14	31	71	66	135	305	21	18	19
9	10	9.1	17	15	29	67	66	122	192	24	18	19
10	10	9.3	17	17	28	78	72	116	144	26	18	19
11	9.8	9.3	16	19	48	68	69	101	118	20	18	18
12	10	9.1	15	23	49	58	61	117	111	19	18	17
13	10	9.2	15	23	41	56	64	300	140	18	18	17
14	10	9.4	16	22	34	56	69	917	152	17	18	16
15	13	9.3	20	21	31	53	182	587	260	18	18	22
16	11	9.4	20	20	31	53	188	340	231	19	19	24
17	11	9.5	18	20	31	50	138	262	213	19	19	23
18	9.8	11	25	20	32	57	118	587	159	20	18	19
19	9.2	11	30	19	30	69	111	684	129	35	18	17
20	9.4	10	23	21	28	105	122	397	109	37	19	17
21	9.4	10	20	21	35	186	110	300	92	23	20	17
22	9.7	9.9	18	21	36	168	103	249	84	20	19	17
23	10	9.8	17	20	33	132	100	209	76	36	19	16
24	10	10	23	24	29	112	89	177	70	58	17	16
25	9.7	13	27	37	28	101	94	152	62	36	17	13
26	9.4	24	22	40	27	97	118	135	56	25	18	12
27	8.6	22	20	38	27	144	102	126	56	24	19	31
28	8.7	17	18	37	26	135	171	131	59	22	18	43
29	9.0	15	17	36	---	115	378	137	52	21	36	23
30	9.1	14	16	36	---	105	317	119	43	20	43	18
31	9.6	---	15	38	---	95	---	108	---	19	23	---
TOTAL	318.4	339.0	543	697	981	2869	3489	8121	3812	809	626	589
MEAN	10.3	11.3	17.5	22.5	35.0	92.5	116	262	127	26.1	20.2	19.6
MAX	13	24	30	40	55	186	378	917	406	58	43	43
MIN	8.6	9.1	11	13	26	22	61	101	43	17	17	12
CFSM	0.12	0.13	0.20	0.26	0.40	1.06	1.34	3.01	1.46	0.30	0.23	0.23
IN.	0.14	0.15	0.23	0.30	0.42	1.23	1.49	3.48	1.63	0.35	0.27	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2002, BY WATER YEAR (WY)

MEAN	91.4	154	197	178	198	307	313	202	114	61.5	48.5	68.8
MAX	352	437	642	594	424	774	802	704	267	291	270	451
(WY)	1990	1996	1984	1996	1981	1983	1984	1989	1982	1996	1990	1999
MIN	10.3	11.3	17.5	16.8	35.0	92.5	84.9	62.9	25.5	13.7	10.7	10.8
(WY)	2002	2002	2002	1981	2002	2002	1985	2001	1999	1993	1981	1981

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1979 - 2002	
ANNUAL TOTAL	41431.4		23193.4			
ANNUAL MEAN	114		63.5		161	
HIGHEST ANNUAL MEAN					284	1984
LOWEST ANNUAL MEAN					63.5	2002
HIGHEST DAILY MEAN	1750	Mar 22	917	May 14	6300	Apr 5 1984
LOWEST DAILY MEAN	8.6	Oct 27	8.6	Oct 27	7.9	Sep 20 1983
ANNUAL SEVEN-DAY MINIMUM	9.2	Oct 25	9.2	Oct 25	8.1	Sep 1 1981
ANNUAL RUNOFF (CFSM)	1.31		0.73		1.85	
ANNUAL RUNOFF (INCHES)	17.74		9.93		25.13	
10 PERCENT EXCEEDS	275		149		343	
50 PERCENT EXCEEDS	45		23		90	
90 PERCENT EXCEEDS	10		10		17	

01387400 RAMAPO RIVER AT RAMAPO, NY--Continued



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.

01387420 RAMAPO RIVER AT SUFFERN, NY

LOCATION.--Lat 41°07'06", long 74°09'38", Rockland County, Hydrologic Unit 02030103, on left bank, 145 ft downstream from highway bridge on New York State Thruway at Suffern, and 1.1 mi upstream from Mahwah River.
DRAINAGE AREA.--93.0 mi^2.
PERIOD OF RECORD.--June 1979 to current year.
REVISED RECORDS.--WDR NY-00-1: 1999 (M).
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 264.44 ft above NGVD of 1929.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow affected by diversion from United Water New York well field upstream from station and by occasional regulation by Lake Sebago. Satellite gage-height telemeter at station.
COOPERATION.--Figures of pumpage from well field provided by United Water New York.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,300 ft^3/s, Apr. 5, 1984, gage height, 15.38 ft, from rating curve extended above 5,400 ft^3/s; minimum discharge, 1.7 ft^3/s, Sept. 7, 1995, gage height, 1.04 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 6,600 ft^3/s, Mar. 12, 1936, by computation of flow over dam at site 0.65 mi upstream, drainage area, 90.6 mi^2.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft^3/s and maximum(*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 14	1245	*956	*5.24				

Minimum discharge, 5.4 ft^3/s, Oct. 20, 26, 31, gage height, 1.28 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	9.3	9.1	e13	39	16	85	339	99	22	13	13
2	12	9.5	9.8	e13	46	15	79	321	75	20	13	13
3	12	10	13	12	38	169	75	338	61	18	13	13
4	12	8.1	8.5	9.8	32	173	82	261	51	16	12	14
5	9.5	9.9	9.4	10	29	111	72	206	43	14	13	13
6	8.0	7.9	9.6	11	26	82	65	171	76	13	13	13
7	8.3	9.9	9.8	12	23	71	59	148	440	14	12	13
8	7.9	8.9	11	12	22	62	54	129	334	13	13	13
9	8.8	8.4	15	11	21	57	53	114	192	14	13	13
10	8.2	8.1	15	12	20	67	62	105	130	16	13	13
11	8.2	8.6	13	13	35	59	59	90	101	13	13	13
12	8.5	8.6	13	16	36	47	50	108	92	13	13	13
13	12	9.6	13	17	29	44	53	338	122	12	13	12
14	11	8.8	13	17	25	43	57	886	142	13	13	13
15	11	9.0	15	15	22	40	187	614	276	12	13	19
16	11	9.0	15	15	21	39	196	385	241	13	13	17
17	11	9.1	15	15	21	38	135	300	211	13	13	14
18	8.5	10	21	15	23	45	109	606	146	13	13	13
19	7.2	10	24	14	21	58	101	692	111	24	13	12
20	8.5	13	22	15	19	103	112	443	91	25	13	13
21	8.7	8.0	18	16	24	202	99	339	73	14	14	13
22	8.2	8.9	16	15	24	179	91	281	63	13	13	12
23	8.2	9.3	15	15	23	132	88	226	54	24	12	13
24	9.0	8.8	22	17	20	108	78	182	48	46	13	13
25	10	12	23	26	19	95	86	150	40	25	12	7.8
26	7.0	20	19	29	18	88	110	128	34	16	13	7.4
27	7.7	17	17	27	18	146	94	117	34	15	13	24
28	8.1	13	15	28	18	136	195	119	38	14	13	34
29	11	13	15	26	---	110	433	125	31	13	28	17
30	11	13	15	29	---	98	361	105	25	13	31	13
31	7.2	---	e14	30	---	87	---	95	---	13	16	---
TOTAL	291.7	308.7	463.2	525.8	712	2720	3380	8461	3474	517	436	424.2
MEAN	9.41	10.3	14.9	17.0	25.4	87.7	113	273	116	16.7	14.1	14.1
MAX	12	20	24	30	46	202	433	886	440	46	31	34
MIN	7.0	7.9	8.5	9.8	18	15	50	90	25	12	12	7.4
‡	1.2	1.2	3.1	3.6	8.2	10.0	9.4	9.9	9.7	6.0	4.3	3.5

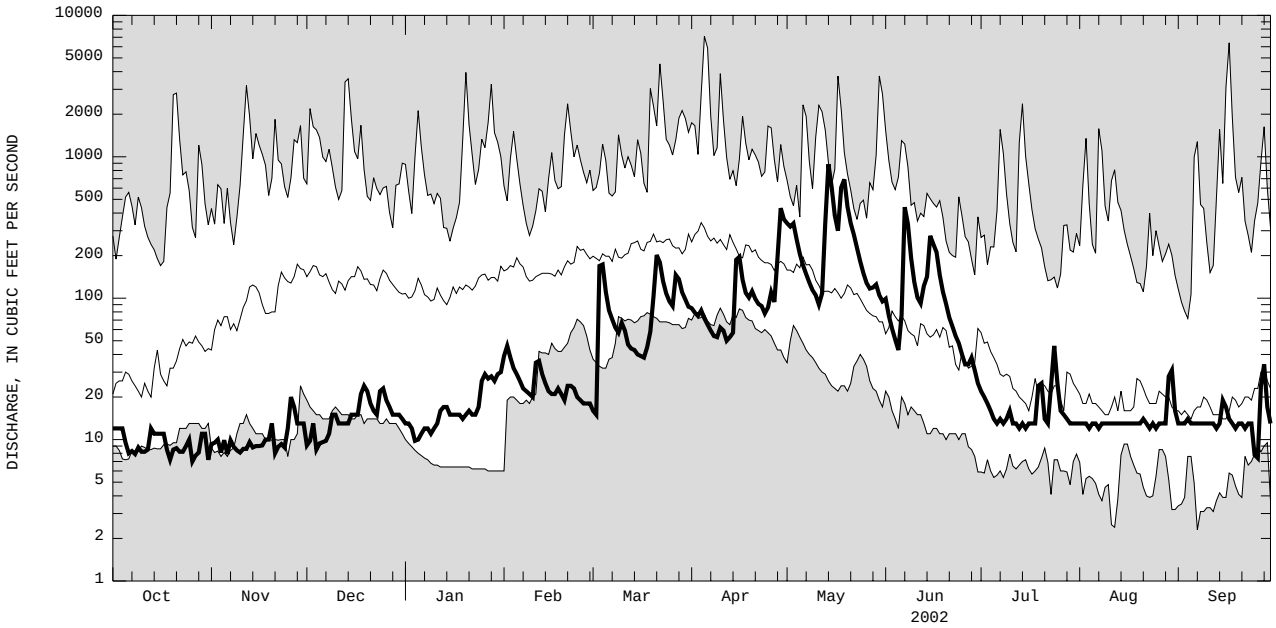
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2002, BY WATER YEAR (WY)

MEAN	94.3	166	204	190	210	321	328	212	111	58.5	47.5	70.9
MAX	389	496	693	654	475	816	862	777	269	308	305	508
(WY)	1990	1996	1984	1996	1981	1983	1984	1989	1982	1996	1990	1999
MIN	9.41	10.3	14.8	6.84	25.4	87.7	77.1	58.2	18.5	8.03	7.40	8.17
(WY)	2002	2002	1999	1981	2002	2002	1985	2001	1999	1993	1993	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1979 - 2002	
ANNUAL TOTAL	43300.0		21713.6			
ANNUAL MEAN	119		59.5		167	
HIGHEST ANNUAL MEAN					295	1984
LOWEST ANNUAL MEAN					59.5	2002
HIGHEST DAILY MEAN	1730	Mar 22	886	May 14	7110	Apr 5 1984
LOWEST DAILY MEAN	7.0	Oct 26	7.0	Oct 26	2.3	Sep 7 1995
ANNUAL SEVEN-DAY MINIMUM	8.3	Oct 6	8.3	Oct 6	3.1	Sep 7 1995
10 PERCENT EXCEEDS	328		146		367	
50 PERCENT EXCEEDS	34		17		87	
90 PERCENT EXCEEDS	9.2		9.2		12	

e Estimated
‡ Diversion, in cubic feet per second, by pumpage from well field upstream of station.

01387420 RAMAPO RIVER AT SUFFERN, NY--Continued



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.

01387500 RAMAPO RIVER NEAR MAHWAH, NJ

LOCATION.--Lat 41°05'53", long 74°09'47", Bergen County, Hydrologic Unit 02030103, on left bank 350 ft downstream from State Highway 17, 0.6 mi downstream from Mahwah River, 1.0 mi west of Mahwah, and 1.2 mi downstream of New York-New Jersey state-line.

DRAINAGE AREA.--120 mi^2.

PERIOD OF RECORD.--October 1902 to December 1906, September 1922 to current year. October 1902 to February 1905 monthly discharge only, published in WSP 1302. Figures of daily discharge Feb. 10, 1903, to Dec. 31, 1904, published in WSP 97, 125,are unreliable and should not be used. Gage-height records for 1903-14 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 781: 1904(M). WSP 1031: 1938, 1940. WSP 1552: 1923(M), 1924, 1925-26(M), 1927-28, 1933, 1937. WRD- NJ 1971: 1968(M). WDR NJ-82-1: Drainage area. WDR-NJ-87-1: 1986.

GAGE.--Water-stage recorder. Datum of gage is 253.10 ft above NGVD of 1929. Prior to Dec. 31, 1906, nonrecording gage on former bridge at site 250 ft downstream at different datum. Sept. 1, 1922 to Dec. 23, 1936, water-stage recorder just below former bridge at present datum.

REMARKS.--Records good. Flow affected by diversion from United Water-New York well field upstream from station (see station 01387420). Occasional regulation from lakes and ponds upstream from the station. Several measurements of water temperature were made during the year. Satellite gage-height telemetry at station. All data for this site are collected, stored, and reported in local standard time.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)

No peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	15	17	23	71	27	116	349	156	41	19	19
2	17	15	16	22	76	24	110	339	117	38	28	20
3	17	19	21	18	61	248	106	352	94	35	29	18
4	17	13	14	14	53	215	114	279	81	31	19	19
5	15	17	15	14	46	152	99	235	73	28	25	18
6	12	11	16	16	41	118	89	205	168	25	17	16
7	13	16	18	24	38	101	81	185	571	26	16	16
8	12	15	19	20	36	89	75	167	386	23	17	15
9	15	14	47	20	34	81	73	152	236	31	17	16
10	15	12	28	23	35	100	82	143	176	33	17	15
11	15	13	23	29	69	85	79	125	145	24	16	15
12	16	13	20	32	61	71	70	154	138	22	16	17
13	21	14	20	32	50	65	75	402	170	21	16	17
14	23	12	28	31	41	64	81	1040	204	20	16	18
15	39	13	30	29	37	60	193	723	317	20	16	71
16	21	13	26	28	35	58	217	431	285	20	16	65
17	19	14	28	28	35	57	167	332	250	19	17	28
18	16	17	53	27	36	71	142	692	193	19	17	19
19	13	17	43	25	33	85	131	803	157	78	17	17
20	14	26	35	27	31	159	144	501	134	94	19	17
21	16	14	28	28	48	238	133	375	111	33	17	17
22	15	15	24	27	41	207	126	309	96	25	18	17
23	16	16	22	28	37	169	120	262	84	39	23	17
24	18	16	53	37	33	145	106	224	76	81	18	17
25	21	36	39	48	31	130	119	195	67	49	18	12
26	14	45	33	51	30	124	147	172	66	32	17	14
27	13	30	28	48	29	188	127	162	70	27	16	94
28	15	22	25	48	28	173	244	172	81	26	16	74
29	18	22	24	46	---	148	475	169	58	23	95	31
30	20	22	23	47	---	134	379	149	46	20	54	19
31	13	---	24	49	---	120	---	147	---	19	27	---
TOTAL	527	537	840	939	1196	3706	4220	9945	4806	1022	689	768
MEAN	17.0	17.9	27.1	30.3	42.7	120	141	321	160	33.0	22.2	25.6
MAX	39	45	53	51	76	248	475	1040	571	94	95	94
MIN	12	11	14	14	28	24	70	125	46	19	16	12
CFSM	0.14	0.15	0.23	0.25	0.36	1.00	1.17	2.67	1.33	0.27	0.19	0.21
IN.	0.16	0.17	0.26	0.29	0.37	1.15	1.31	3.08	1.49	0.32	0.21	0.24

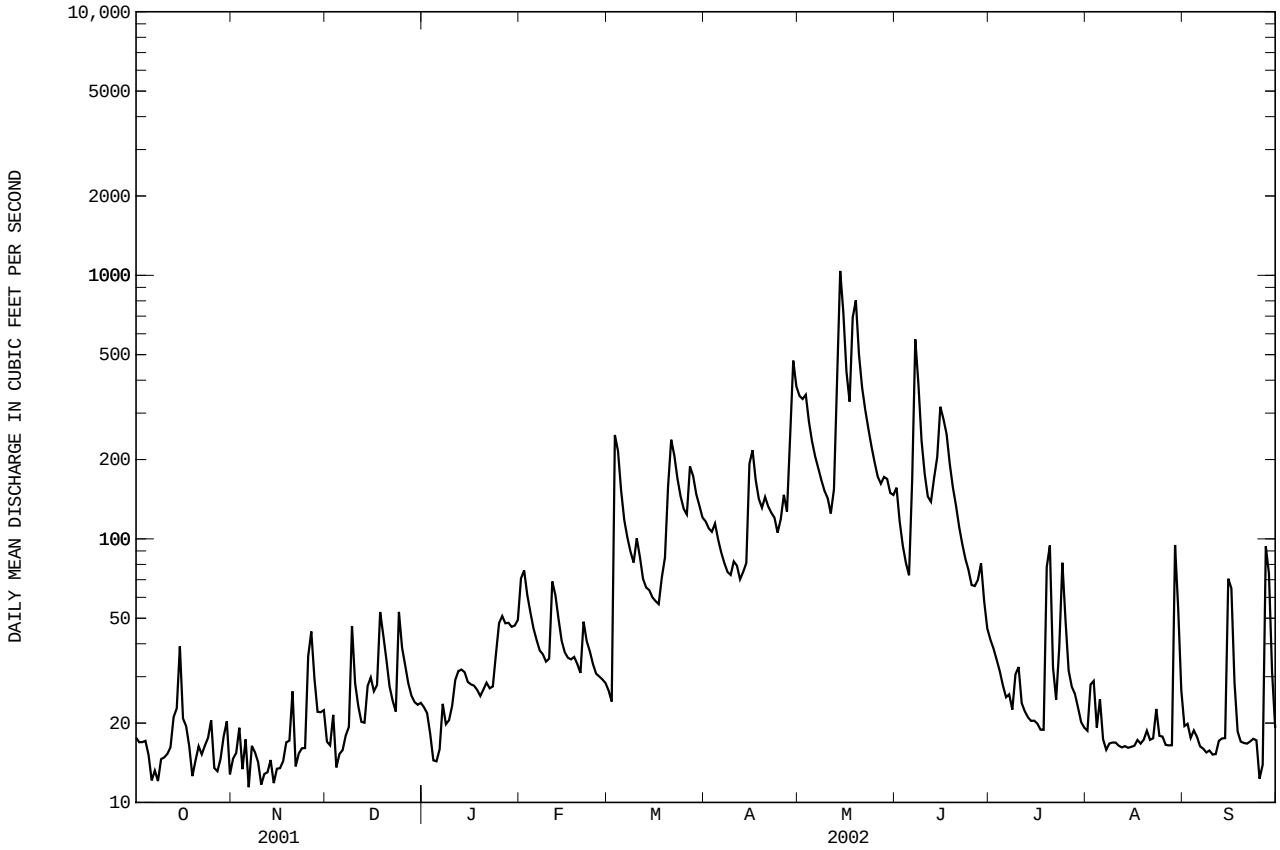
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2002, BY WATER YEAR (WY)

MEAN	140	220	270	264	278	440	397	257	153	97.8	97.5	110
MAX	954	736	873	877	701	1151	1055	994	735	602	755	641
(WY)	1904	1978	1984	1979	1970	1936	1984	1989	1972	1945	1955	1999
MIN	13.8	18.0	19.8	16.5	42.8	120	88.4	79.5	29.6	15.8	11.3	11.1
(WY)	1942	2002	1999	1981	2002	2002	1985	1905	1999	1993	1993	1964

01387500 RAMAPO RIVER NEAR MAHWAH, NJ--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1903 - 2002	
ANNUAL TOTAL	0		29222			
ANNUAL MEAN	0.000		80.1		227	
HIGHEST ANNUAL MEAN					461	1903
LOWEST ANNUAL MEAN					80.1	2002
HIGHEST DAILY MEAN	53	Dec 18	1040	May 14	8920	Oct 9 1903
LOWEST DAILY MEAN	11	Nov 6	11	Nov 6	1.2	Aug 12 1993
ANNUAL SEVEN-DAY MINIMUM	13	Nov 9	13	Nov 9	3.7	Sep 7 1995
MAXIMUM PEAK FLOW			1100	May 14	15500a	Apr 5 1984
MAXIMUM PEAK STAGE			5.86	May 14	13.35	Apr 5 1984
INSTANTANEOUS LOW FLOW			9.0	Nov 6	0.20	Aug 11 1993
ANNUAL RUNOFF (CFSM)	0.000		0.67		1.89	
ANNUAL RUNOFF (INCHES)	0.00		9.06		25.67	
10 PERCENT EXCEEDS	34		190		502	
50 PERCENT EXCEEDS	17		31		136	
90 PERCENT EXCEEDS	13		16		26	

a From rating curve extended above 6,500 ft^3/s.



01413088 EAST BRANCH DELAWARE RIVER AT ROXBURY, NY

LOCATION.--Lat 42°17'30", long 74°33'35", Delaware County, Hydrologic Unit 02040102, on right bank 10 ft downstream from bridge on Route 30, and 6.6 mi south of Grand Gorge, in Roxbury.
DRAINAGE AREA.--13.5 mi^2.
PERIOD OF RECORD.--June 2000 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,480 ft above NGVD of 1929, from topographic map.
REMARKS.--No estimated daily discharges. Records good except those below 1.0 ft^3/s, which are poor. Flow affected by diversion from Town of Roxbury well field upstream of station. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 316 ft^3/s, Apr. 13, 2001, gage height, 5.98 ft; minimum, no flow for part of Sept. 13, 2002.
EXTREMES FOR CURRENT PERIOD.--Peak discharges greater than base discharge of 150 ft^3/s, revised, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0615	*127	*4.68				

Minimum, no flow for part of Sept. 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

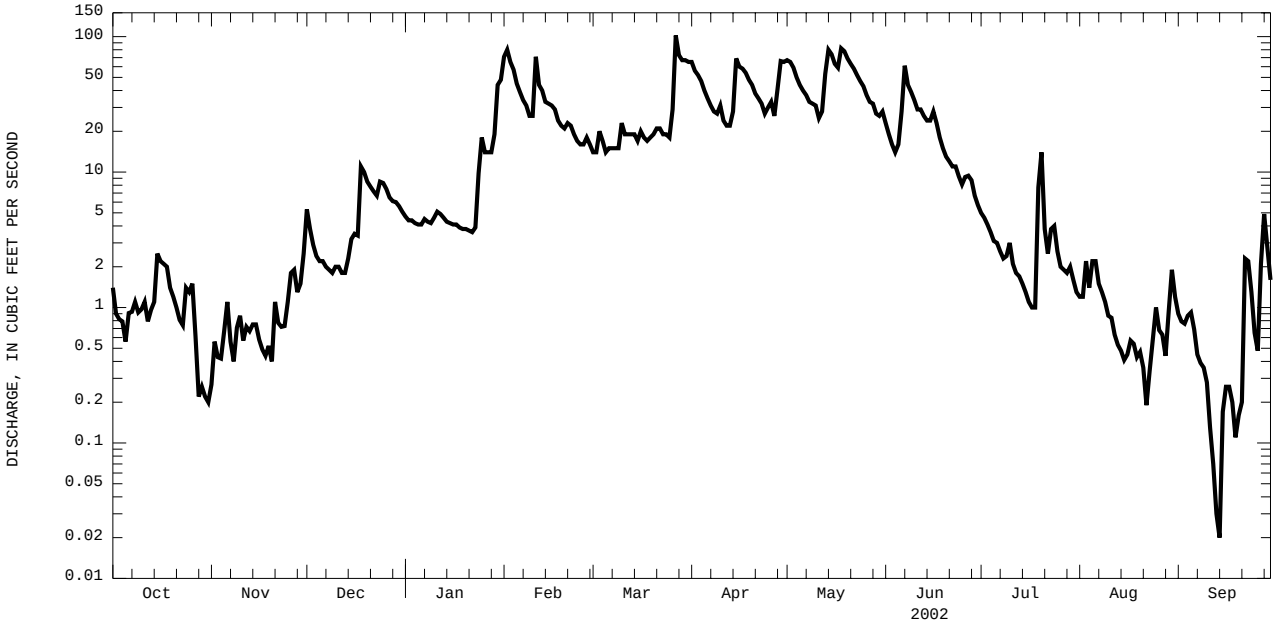
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	0.27	5.3	4.7	71	14	65	67	23	5.0	1.2	0.90
2	0.90	0.56	3.8	4.4	80	14	56	65	19	4.6	1.2	0.79
3	0.82	0.43	2.9	4.4	65	20	52	59	16	4.1	2.2	0.76
4	0.79	0.42	2.4	4.2	57	17	47	50	14	3.6	1.4	0.87
5	0.56	0.67	2.2	4.1	45	14	40	44	16	3.1	2.2	0.92
6	0.91	1.1	2.2	4.1	39	15	35	40	28	3.0	2.2	0.69
7	0.93	0.56	2.0	4.5	34	15	31	37	61	2.6	1.5	0.45
8	1.1	0.40	1.9	4.3	31	15	28	33	44	2.3	1.3	0.39
9	0.92	0.71	1.8	4.2	26	15	27	32	39	2.4	1.1	0.36
10	0.97	0.87	2.0	4.6	26	23	31	31	34	3.0	0.87	0.28
11	1.1	0.57	2.0	5.1	71	19	24	25	29	2.1	0.84	0.13
12	0.79	0.72	1.8	4.9	44	19	22	28	29	1.8	0.63	0.07
13	0.96	0.67	1.8	4.6	40	19	22	53	26	1.7	0.53	0.03
14	1.1	0.75	2.3	4.3	33	19	28	80	24	1.5	0.48	0.02
15	2.5	0.75	3.2	4.2	32	17	69	74	24	1.3	0.41	0.17
16	2.2	0.58	3.5	4.1	31	20	60	63	28	1.1	0.45	0.26
17	2.1	0.49	3.4	4.1	29	18	58	59	23	1.0	0.57	0.26
18	2.0	0.44	11	3.9	24	17	54	82	18	1.0	0.54	0.20
19	1.4	0.52	10	3.8	22	18	48	78	15	7.7	0.43	0.11
20	1.2	0.40	8.5	3.8	21	19	44	69	13	14	0.47	0.16
21	1.0	1.1	7.8	3.7	23	21	38	63	12	3.8	0.36	0.20
22	0.81	0.77	7.2	3.6	22	21	35	58	11	2.5	0.19	2.3
23	0.74	0.72	6.7	3.9	19	19	32	52	11	3.8	0.34	2.2
24	1.4	0.73	8.5	9.8	17	19	27	47	9.3	4.0	0.58	1.3
25	1.3	1.1	8.3	18	16	18	30	43	8.1	2.6	1.0	0.65
26	1.5	1.8	7.5	14	16	29	33	37	9.2	2.0	0.68	0.48
27	0.61	1.9	6.5	14	18	102	26	33	9.4	1.9	0.63	2.1
28	0.22	1.3	6.1	14	16	73	41	32	8.7	1.8	0.44	4.9
29	0.26	1.5	6.0	19	---	67	66	27	6.7	2.0	0.94	2.8
30	0.22	2.5	5.6	44	---	67	65	26	5.7	1.6	1.9	1.6
31	0.20	---	5.1	48	---	65	---	28	---	1.3	1.2	---
TOTAL	32.91	25.30	149.3	278.3	968	848	1234	1515	614.1	94.2	28.78	26.35
MEAN	1.06	0.84	4.82	8.98	34.6	27.4	41.1	48.9	20.5	3.04	0.93	0.88
MAX	2.5	2.5	11	48	80	102	69	82	61	14	2.2	4.9
MIN	0.20	0.27	1.8	3.6	16	14	22	25	5.7	1.0	0.19	0.02
CFSM	0.08	0.06	0.36	0.66	2.56	2.03	3.05	3.62	1.52	0.23	0.07	0.07
IN.	0.09	0.07	0.41	0.77	2.67	2.34	3.40	4.17	1.69	0.26	0.08	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

MEAN	3.61	5.41	18.0	9.23	29.4	22.3	65.4	29.5	15.6	4.60	3.31	2.20
MAX	6.16	9.98	31.2	9.48	34.6	27.4	89.7	48.9	20.5	6.71	8.31	4.94
(WY)	2001	2001	2001	2001	2002	2002	2001	2002	2002	2000	2000	2000
MIN	1.06	0.84	4.82	8.98	24.2	17.2	41.1	10.2	10.7	3.04	0.70	0.78
(WY)	2002	2002	2002	2002	2001	2001	2002	2001	2001	2002	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2000 - 2002	
ANNUAL TOTAL	5213.92		5814.24			
ANNUAL MEAN	14.3		15.9		16.8	
HIGHEST ANNUAL MEAN					17.7	2001
LOWEST ANNUAL MEAN					15.9	2002
HIGHEST DAILY MEAN	298	Apr 13	102	Mar 27	298	Apr 13 2001
LOWEST DAILY MEAN	0.19	Sep 19	0.02	Sep 14	0.02	Sep 14 2002
ANNUAL SEVEN-DAY MINIMUM	0.29	Sep 7	0.13	Sep 11	0.13	Sep 11 2002
ANNUAL RUNOFF (CFSM)	1.06		1.18		1.25	
ANNUAL RUNOFF (INCHES)	14.37		16.02		16.93	
10 PERCENT EXCEEDS	24		48		43	
50 PERCENT EXCEEDS	6.5		4.6		8.2	
90 PERCENT EXCEEDS	0.53		0.51		0.58	

01413088 EAST BRANCH DELAWARE RIVER AT ROXBURY, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01413398 BUSH KILL NEAR ARKVILLE, NY

LOCATION.--Lat 42°09'03", long 74°36'06", Delaware County, Hydrologic Unit 02040102, on left bank 60 ft upstream from private bridge, 0.7 mi upstream from mouth, and 2.35 mi east of Margaretville.
DRAINAGE AREA.--46.7 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
REVISED RECORDS.--WDR NY-99-1: 1998(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,380 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Diurnal fluctuation at medium and low flow from unknown source upstream from station. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,190 ft^3/s, Dec. 17, 2000, gage height, 9.29 ft, from rating curve extended above 980 ft^3/s; minimum discharge, 3.7 ft^3/s, Sept. 14, 22, 1998; minimum gage height, 3.26 ft, Aug. 22, 2002.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 7,600 ft^3/s, Jan. 19, 1996, on basis of contracted-opening measurement of peak flow at site 0.2 mi downstream, drainage area, 47.0 mi^2.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 13	1730	*355	*5.11				

Minimum discharge, 3.8 ft^3/s, Aug. 22, gage height, 3.26 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

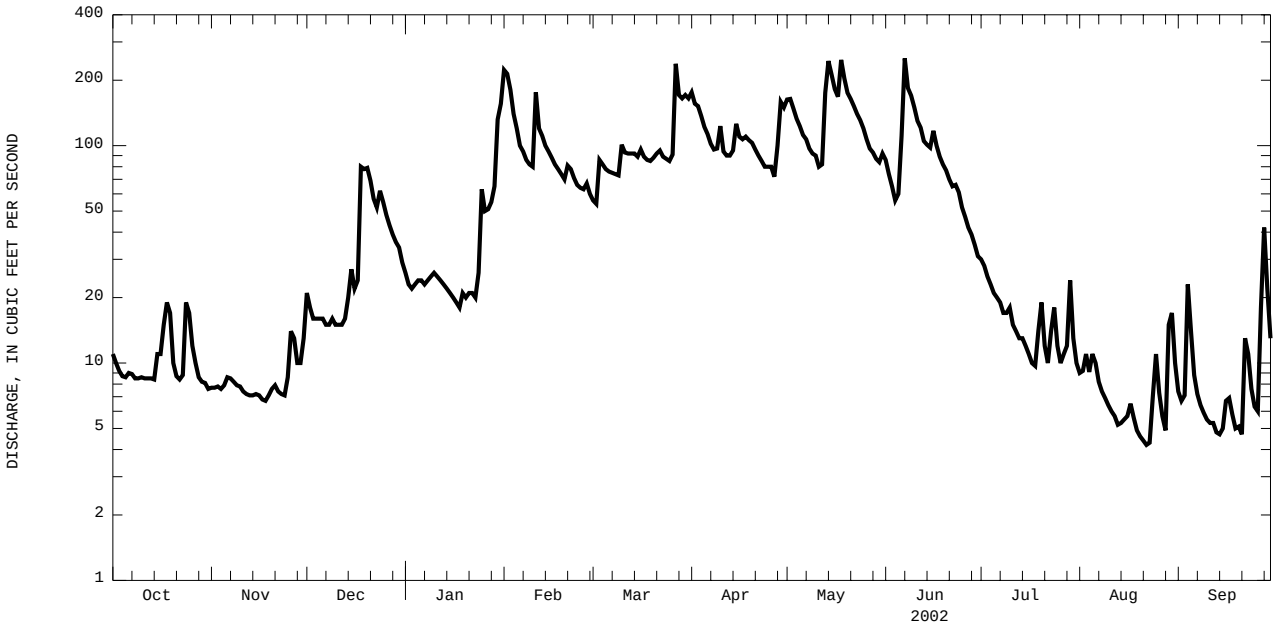
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	7.7	21	e26	223	e56	176	163	86	30	9.0	7.4
2	10	7.7	18	e23	214	e54	156	164	74	28	9.2	6.7
3	9.2	7.8	16	e22	181	86	152	148	65	25	11	7.1
4	8.7	7.6	16	e23	e140	82	137	133	56	23	9.1	23
5	8.6	7.9	16	e24	e120	e78	122	123	60	21	11	14
6	9.0	8.6	16	e24	e100	e76	113	112	111	20	10	8.8
7	8.9	8.5	15	e23	e94	75	102	107	252	19	8.2	7.2
8	8.5	8.2	15	e24	e86	74	96	97	184	17	7.4	6.4
9	8.5	7.9	16	e25	e82	73	97	92	e170	17	6.9	5.9
10	8.6	7.8	15	e26	e80	101	123	90	e150	18	6.4	5.5
11	8.5	7.4	15	e25	176	93	94	80	e130	15	6.0	5.3
12	8.5	7.2	15	e24	120	92	90	82	121	14	5.7	5.3
13	8.5	7.1	16	e23	111	92	90	175	105	13	5.2	4.8
14	8.4	7.1	20	e22	e100	92	95	245	101	13	5.3	4.7
15	11	7.2	27	e21	e94	89	126	212	98	12	5.5	5.0
16	11	7.1	22	e20	e88	96	110	182	117	11	5.7	6.7
17	15	6.8	24	e19	e82	89	107	168	100	10	6.5	6.9
18	19	6.7	80	e18	e78	86	110	248	89	9.7	5.6	5.8
19	17	7.1	78	e21	e74	85	106	204	82	14	4.9	5.0
20	10	7.6	79	e20	e70	88	103	175	77	19	4.6	5.1
21	8.7	7.9	69	e21	81	92	96	164	70	12	4.4	4.7
22	8.4	7.4	57	e21	78	95	90	152	65	10	4.2	13
23	8.8	7.2	52	e20	71	89	85	140	66	14	4.3	11
24	19	7.1	62	e26	66	87	80	131	61	18	7.0	7.6
25	17	8.6	55	63	64	85	80	120	52	12	11	6.3
26	12	14	48	50	63	91	80	107	47	10	7.3	6.0
27	10	13	e43	51	67	238	72	97	42	11	5.7	18
28	8.6	10	e39	55	e60	171	100	93	39	12	4.9	42
29	8.2	10	e36	65	---	165	159	87	35	24	15	22
30	8.1	13	e34	132	---	171	150	84	31	13	17	13
31	7.6	---	e29	156	---	165	---	92	---	10	10	---
TOTAL	324.3	249.2	1064	1113	2863	3106	3297	4267	2736	494.7	234.0	290.2
MEAN	10.5	8.31	34.3	35.9	102	100	110	138	91.2	16.0	7.55	9.67
MAX	19	14	80	156	223	238	176	248	252	30	17	42
MIN	7.6	6.7	15	18	60	54	72	80	31	9.7	4.2	4.7
CFSM	0.22	0.18	0.73	0.77	2.19	2.15	2.35	2.95	1.95	0.34	0.16	0.21
IN.	0.26	0.20	0.85	0.89	2.28	2.47	2.63	3.40	2.18	0.39	0.19	0.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	29.0	41.3	64.0	98.1	88.7	142	193	114	106	50.0	17.3	30.1
MAX	78.9	92.7	146	214	120	230	357	181	192	92.8	48.3	99.6
(WY)	2000	2000	2001	1998	2000	2000	2001	1998	2000	1999	2000	1999
MIN	9.50	8.31	16.1	35.9	62.7	57.5	106	45.5	25.7	16.0	7.55	6.02
(WY)	1998	2002	1999	2002	1998	2001	1999	2001	1999	2002	2002	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	21118.4		20038.4			
ANNUAL MEAN	57.9		54.9		80.9	
HIGHEST ANNUAL MEAN					108	2000
LOWEST ANNUAL MEAN					54.9	2002
HIGHEST DAILY MEAN	1250	Apr 13	252	Jun 7	1250	Apr 13 2001
LOWEST DAILY MEAN	5.1	Sep 9	4.2	Aug 22	4.2	Sep 14 1998
ANNUAL SEVEN-DAY MINIMUM	5.6	Sep 7	4.9	Aug 17	4.9	Aug 17 2002
ANNUAL RUNOFF (CFSM)	1.24		1.18		1.73	
ANNUAL RUNOFF (INCHES)	16.82		15.96		23.53	
10 PERCENT EXCEEDS	92		132		177	
50 PERCENT EXCEEDS	31		24		48	
90 PERCENT EXCEEDS	7.4		7.0		8.3	

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01413408 DRY BROOK AT ARKVILLE, NY

LOCATION.--Lat 42°08'48", long 74°37'25", Delaware County, Hydrologic Unit 02040102, on left bank 80 ft upstream from bridge on State Route 28, 0.6 mi upstream from mouth, 1.3 mi east of Margaretville, and 4.5 mi west of Fleischmanns.
DRAINAGE AREA.--82.2 mi^2.
PERIOD OF RECORD.--December 1996 to current year. October to December 1996 (maximum only).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,340 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,780 ft^3/s, Dec. 17, 2000, gage height, 12.67 ft, from rating curve extended above 1,200 ft^3/s; minimum daily discharge, about 7.0 ft^3/s, Sept. 13, 2002; minimum gage height, 1.26 ft, Aug. 12, 13, 1997.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 12,000 ft^3/s, Jan. 19, 1996, gage height, about 15.5 ft, from floodmarks, on basis of runoff comparison with nearby stations.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	0730	*746	*4.54				

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	25	150	e64	431	105	332	305	163	62	15	e16
2	32	25	102	e62	417	102	291	311	136	58	15	e15
3	29	25	87	e60	333	170	276	321	121	53	19	e16
4	26	24	79	e58	289	170	253	272	110	48	15	e40
5	24	25	72	e54	240	154	227	247	117	44	17	e30
6	24	26	67	57	210	153	211	224	215	41	16	e22
7	23	25	63	61	188	148	192	209	568	39	14	e16
8	21	25	59	e54	172	141	181	193	394	35	13	e13
9	20	24	59	e54	156	137	178	184	316	35	12	e11
10	19	23	54	55	156	274	206	177	258	36	e12	e9.0
11	18	23	51	55	350	204	174	161	216	31	e11	e8.0
12	17	22	50	52	237	189	166	162	219	28	e11	e8.0
13	17	21	53	50	215	181	165	288	192	26	e11	e7.0
14	17	21	61	47	197	175	194	394	186	25	e11	e8.0
15	25	20	77	46	185	164	262	353	182	23	e11	e8.0
16	23	20	68	45	177	181	232	306	205	22	e12	e10
17	25	20	71	45	168	171	219	282	179	20	e13	e13
18	29	19	162	40	152	162	213	411	163	19	e12	e12
19	26	19	156	33	138	157	206	354	150	26	e11	e11
20	21	21	152	e37	132	160	198	312	138	33	e10	e10
21	18	21	140	e38	146	161	185	291	127	23	e9.0	e10
22	17	20	121	e39	142	163	176	267	117	19	e8.4	e20
23	18	19	111	41	131	151	168	242	120	26	e8.0	e25
24	42	18	129	67	122	146	154	224	123	32	e10	e19
25	38	22	114	120	119	141	158	205	100	22	e16	e14
26	32	39	102	98	117	151	160	184	92	19	e14	e14
27	30	34	92	98	122	476	143	168	84	20	e12	e34
28	28	31	e84	105	115	327	192	159	79	19	e11	e104
29	27	31	e78	127	---	305	324	148	72	34	e28	e58
30	27	47	e72	294	---	321	297	138	66	21	e37	e40
31	25	---	e68	332	---	314	---	157	---	17	e22	---
TOTAL	774	735	2804	2388	5557	5954	6333	7649	5208	956	436.4	621.0
MEAN	25.0	24.5	90.5	77.0	198	192	211	247	174	30.8	14.1	20.7
MAX	42	47	162	332	431	476	332	411	568	62	37	104
MIN	17	18	50	33	115	102	143	138	66	17	8.0	7.0
CFSM	0.30	0.30	1.10	0.94	2.41	2.34	2.57	3.00	2.11	0.38	0.17	0.25
IN.	0.35	0.33	1.27	1.08	2.51	2.69	2.87	3.46	2.36	0.43	0.20	0.28

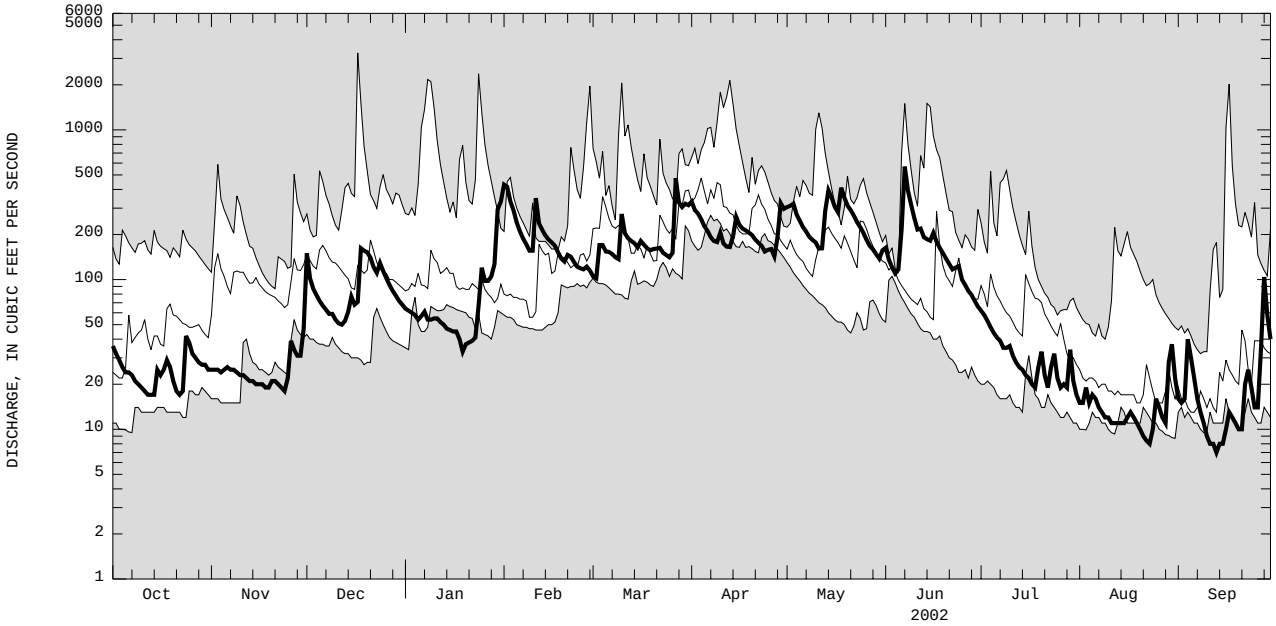
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

MEAN	57.8	92.4	134	195	174	277	353	212	173	74.9	29.3	59.0
MAX	163	188	293	452	238	440	600	332	343	151	91.2	207
(WY)	2000	2000	2001	1998	2000	2000	2001	1998	2000	1998	2000	1999
MIN	16.5	24.5	38.9	67.7	114	109	211	70.3	54.2	16.9	14.0	13.3
(WY)	1998	2002	1999	2001	1998	2001	2002	2001	1997	1997	2001	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	39492.7		39415.4			
ANNUAL MEAN	108		108		156	
HIGHEST ANNUAL MEAN					203	1998
LOWEST ANNUAL MEAN					108	2002
HIGHEST DAILY MEAN	2140	Apr 13	568	Jun 7	3270	Dec 17 2000
LOWEST DAILY MEAN	8.7	Aug 31	7.0	Sep 13	7.0	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	9.5	Aug 25	8.3	Sep 10	8.3	Sep 10 2002
ANNUAL RUNOFF (CFSM)	1.32		1.31		1.90	
ANNUAL RUNOFF (INCHES)	17.87		17.84		25.86	
10 PERCENT EXCEEDS	166		260		326	
50 PERCENT EXCEEDS	62		64		92	
90 PERCENT EXCEEDS	16		14		16	

e Estimated

01413408 DRY BROOK AT ARKVILLE, NY--Continued



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.

01413500 EAST BRANCH DELAWARE RIVER AT MARGARETVILLE, NY

LOCATION.--Lat 42°08'41", long 74°39'14", Delaware County, Hydrologic Unit 02040102, on right bank at downstream side of bridge on Fair Street at intersection with Main Street at Margaretville, 0.2 mi upstream from unnamed tributary, and 1.6 mi downstream from Dry Brook.
DRAINAGE AREA.--163 mi^2.
PERIOD OF RECORD.--February 1937 to current year.
REVISED RECORDS.--WDR NY-87-1: 1948(M), 1951(P), 1953(M), 1955-56(M), 1974-75(M), 1977(M), 1978(P), 1980-81(M), 1986(M).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,302.38 ft above NGVD of 1929. Prior to Sept. 9, 1937, nonrecording gage and Sept. 9, 1937 to Aug. 17, 1944, water-stage recorder, at same site at datum 1.00 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,800 ft^3/s, Jan. 19, 1996, gage height, 14.88 ft, from floodmark in gage well, 16.5 ft from outside floodmarks, from rating curve extended above 16,000 ft^3/s on basis of runoff comparison of peak flow from slope-area measurement at site 1.7 mi downstream; minimum discharge, 5.0 ft^3/s, Aug. 5, 1964; minimum gage height, 0.89 ft, Sept. 30, Oct. 1, 1943, present datum.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0415	*1,470	*5.55				

Minimum discharge, 12 ft^3/s, Sept. 15, gage height, 2.20 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	38	201	116	851	201	661	694	320	104	29	27
2	50	38	149	e100	890	194	579	671	256	98	28	23
3	45	38	126	e98	698	292	542	653	226	89	34	21
4	41	36	113	e96	609	293	504	548	205	82	30	63
5	38	38	104	e92	502	258	435	489	215	74	33	44
6	38	40	97	e90	438	259	398	435	379	69	34	31
7	38	39	91	e92	390	252	354	406	922	63	29	25
8	35	38	85	e88	354	241	329	366	657	58	26	22
9	34	37	87	e88	316	233	321	341	554	56	23	19
10	36	36	81	e96	302	450	387	337	469	59	22	18
11	35	35	77	104	778	359	309	289	399	51	20	16
12	31	34	75	99	504	336	286	295	400	46	18	15
13	28	34	79	95	453	325	285	624	361	43	16	13
14	27	37	92	90	406	314	354	944	341	41	16	13
15	35	39	128	87	379	293	657	808	342	38	16	13
16	36	33	113	86	363	323	562	680	391	35	16	15
17	38	30	120	84	342	304	512	625	347	34	19	18
18	44	29	339	79	302	291	534	889	299	32	17	17
19	42	29	294	68	270	284	471	808	268	42	16	16
20	36	32	270	e72	262	296	441	677	241	82	15	15
21	32	32	247	e74	293	304	400	622	222	52	15	14
22	30	30	214	e76	283	322	368	567	207	39	14	29
23	31	29	195	78	257	288	340	511	218	46	14	36
24	62	29	230	126	236	282	306	472	209	63	18	26
25	58	32	209	279	230	272	309	431	172	43	32	22
26	49	56	184	216	224	295	339	382	160	37	26	20
27	45	55	160	211	237	1090	286	343	148	38	21	48
28	43	51	159	223	221	740	409	330	142	37	18	145
29	41	51	149	268	---	661	736	302	127	64	36	81
30	39	64	139	599	---	661	653	278	112	42	54	54
31	38	---	127	638	---	634	---	312	---	33	35	---
TOTAL	1231	1139	4734	4608	11390	11347	13067	16129	9309	1690	740	919
MEAN	39.7	38.0	153	149	407	366	436	520	310	54.5	23.9	30.6
MAX	62	64	339	638	890	1090	736	944	922	104	54	145
MIN	27	29	75	68	221	194	285	278	112	32	14	13
CFSM	0.24	0.23	0.94	0.91	2.50	2.25	2.67	3.19	1.90	0.33	0.15	0.19
IN.	0.28	0.26	1.08	1.05	2.60	2.59	2.98	3.68	2.12	0.39	0.17	0.21

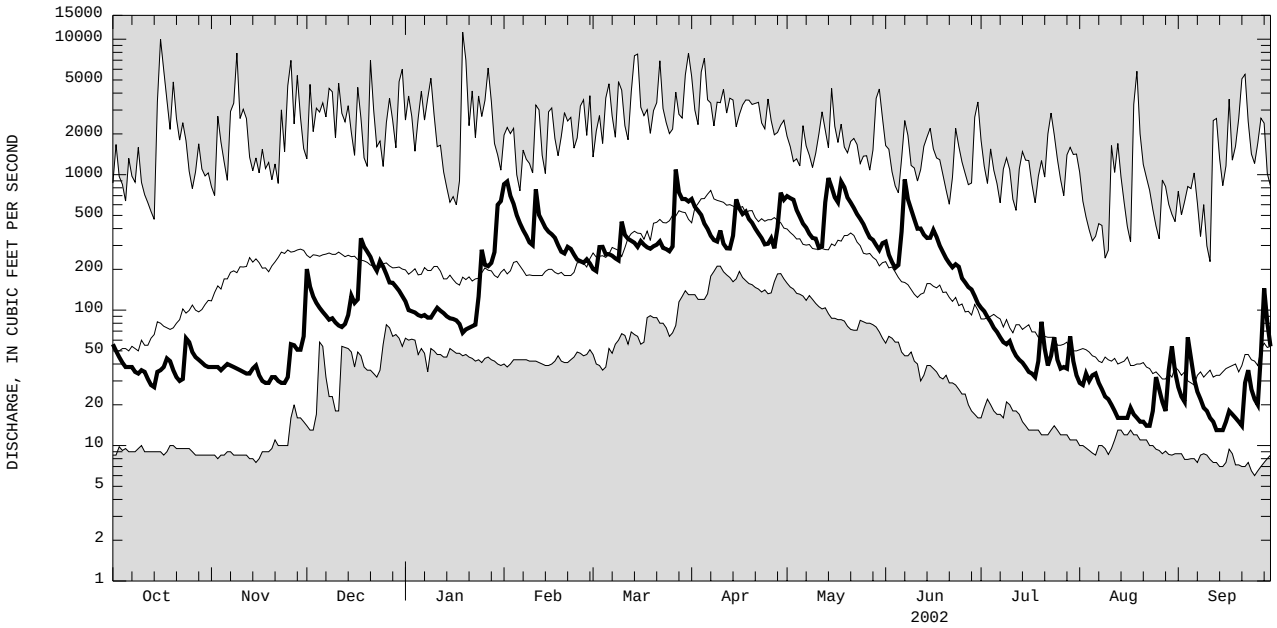
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2002, BY WATER YEAR (WY)

MEAN	174	308	362	327	325	549	724	409	211	120	76.5	103
MAX	1059	782	1191	1277	1144	1486	1808	879	609	538	674	685
(WY)	1956	1997	1974	1996	1981	1977	1958	1989	2000	1938	1955	1938
MIN	9.24	10.2	66.7	54.9	55.0	181	187	123	42.9	17.2	13.6	8.52
(WY)	1965	1965	1999	1961	1980	1965	1946	2001	1965	1965	1993	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1937 - 2002	
ANNUAL TOTAL	71857		76303			
ANNUAL MEAN	197		209		306	
HIGHEST ANNUAL MEAN					489	1978
LOWEST ANNUAL MEAN					138	1965
HIGHEST DAILY MEAN	3670	Apr 13	1090	Mar 27	11300	Jan 19 1996
LOWEST DAILY MEAN	15	Aug 28	13	Sep 13	6.0	Sep 25 1964
ANNUAL SEVEN-DAY MINIMUM	16	Aug 25	15	Sep 10	6.8	Sep 21 1964
ANNUAL RUNOFF (CFSM)	1.21		1.28		1.88	
ANNUAL RUNOFF (INCHES)	16.40		17.41		25.50	
10 PERCENT EXCEEDS	344		537		694	
50 PERCENT EXCEEDS	103		104		168	
90 PERCENT EXCEEDS	26		24		29	

e Estimated

01413500 EAST BRANCH DELAWARE RIVER AT MARGARETVILLE, NY--Continued



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.

01414000 PLATTE KILL AT DUNRAVEN, NY

LOCATION.--Lat 42°07'59", long 74°41'45", Delaware County, Hydrologic Unit 02040102, on right bank 200 ft upstream from bridge on Route 28 in Dunraven, 2.5 mi southeast of Margaretville.
DRAINAGE AREA.--34.9 mi^2.
PERIOD OF RECORD.--October 1941 to September 1962, December 1996 to current year. Water year 1996 (annual maximum only), November 1996 (maximum only).
REVISED RECORDS.--WDR NY-97-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,294.68 ft above NGVD of 1929. Prior to November 1996, at site 100 ft upstream at datum 1.55 ft higher.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,690 ft^3/s, Jan. 19, 1996, gage height, 9.60 ft, from floodmark, present site and datum (11.20 ft, from floodmark in gage well, site and datum then in use), from rating curve extended above 500 ft^3/s on basis of contracted-opening measurement of peak flow; minimum discharge, 0.60 ft^3/s, Sept. 10, 1997; minimum gage height, 1.86 ft, Aug. 25, 27, 1962, site and datum then in use; minimum gage height since December 1996, 2.20 ft, Sept. 10, 1997.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0100	*564	*4.85				

Minimum discharge, 2.0 ft^3/s, Aug. 13, 14, gage height, 2.60 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	4.1	33	e28	309	e46	144	175	52	14	3.4	4.7
2	3.6	4.5	20	e26	255	e44	122	177	44	13	3.4	4.0
3	3.4	3.5	17	e24	203	57	118	148	39	12	3.5	3.7
4	3.2	3.5	16	e22	169	49	101	125	35	11	3.1	31
5	3.0	4.6	15	e21	146	e46	86	110	39	9.3	4.3	11
6	3.4	5.3	14	e20	121	e49	77	93	92	9.1	3.7	6.8
7	3.7	5.3	13	e22	104	46	67	86	177	8.8	3.1	5.3
8	3.4	4.8	13	e26	91	45	61	71	122	7.7	2.7	4.5
9	3.4	4.7	14	e25	78	43	66	69	106	7.5	2.6	4.1
10	3.3	4.7	13	e25	87	81	77	67	86	8.1	2.4	3.7
11	3.0	4.5	12	e25	265	66	58	50	68	6.4	2.2	3.2
12	3.0	4.4	13	e25	168	66	55	64	77	5.6	2.2	3.1
13	2.9	4.3	16	e25	139	64	61	176	61	4.9	2.1	3.0
14	2.8	4.4	21	25	120	60	84	274	60	4.9	2.1	2.9
15	4.0	4.4	35	25	106	56	252	229	59	4.4	2.4	3.4
16	4.2	4.0	25	25	91	66	194	174	83	4.0	3.2	5.8
17	4.6	4.0	35	24	79	56	161	152	64	3.7	9.6	4.7
18	5.1	4.0	150	e34	66	55	138	270	57	3.6	3.7	3.6
19	4.3	3.9	102	e38	e58	55	117	193	49	12	2.9	3.3
20	3.9	4.8	88	42	52	57	102	161	43	10	2.8	3.1
21	3.6	5.0	75	e54	65	64	85	146	39	5.2	2.6	2.9
22	3.4	4.7	62	e64	59	e60	76	127	36	4.4	2.6	22
23	3.7	4.4	59	e74	54	e58	66	110	42	7.3	2.9	13
24	10	4.3	73	83	e50	57	57	97	34	7.9	7.6	7.9
25	6.7	5.9	57	e100	48	53	68	82	29	4.7	11	6.0
26	5.3	15	50	74	47	100	64	69	28	4.1	5.1	5.3
27	4.9	9.7	e45	71	53	279	52	60	24	5.6	3.6	24
28	4.6	8.5	e41	74	47	189	125	71	22	4.9	3.2	32
29	4.4	9.6	e37	100	---	161	184	56	18	14	17	17
30	4.1	16	e34	252	---	152	184	51	15	5.5	13	13
31	4.0	---	e30	229	---	142	---	57	---	3.9	6.1	---
TOTAL	127.0	170.8	1228	1702	3130	2422	3102	3790	1700	227.5	140.1	258.0
MEAN	4.10	5.69	39.6	54.9	112	78.1	103	122	56.7	7.34	4.52	8.60
MAX	10	16	150	252	309	279	252	274	177	14	17	32
MIN	2.8	3.5	12	20	47	43	52	50	15	3.6	2.1	2.9
CFSM	0.12	0.16	1.14	1.57	3.20	2.24	2.96	3.50	1.62	0.21	0.13	0.25
IN.	0.14	0.18	1.31	1.81	3.34	2.58	3.31	4.04	1.81	0.24	0.15	0.28

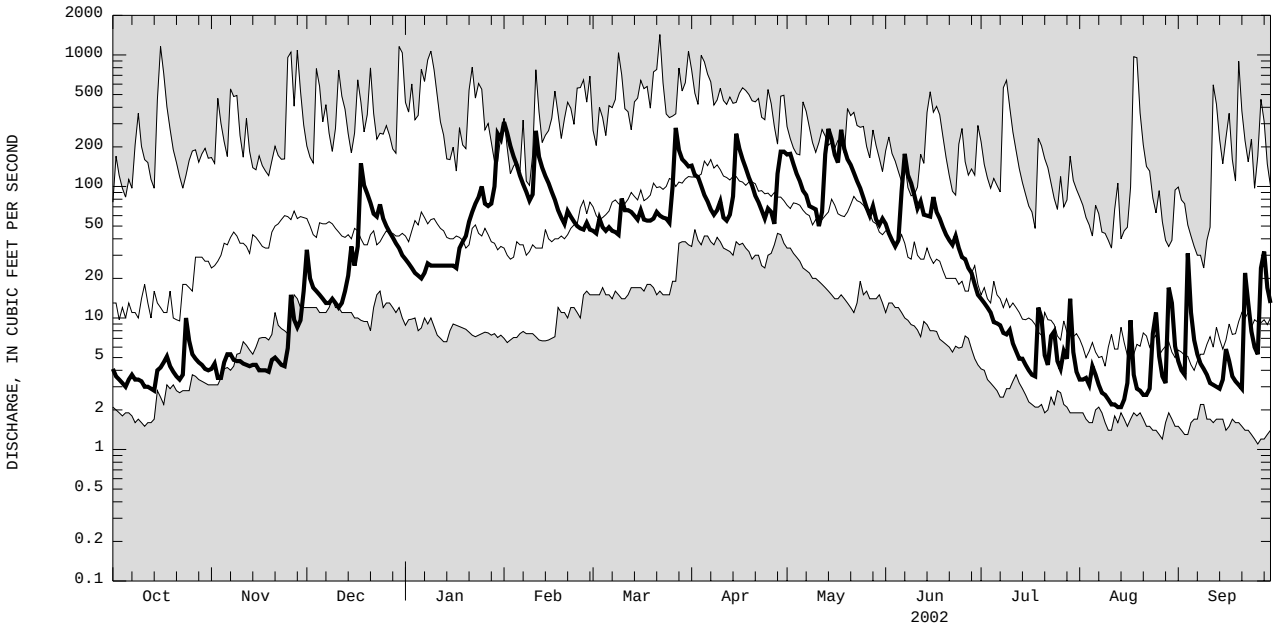
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2002, BY WATER YEAR (WY)

MEAN	31.4	62.0	70.0	74.6	69.2	121	146	81.5	42.7	21.9	14.6	20.7
MAX	175	154	137	224	126	246	323	164	140	118	111	134
(WY)	1956	1960	1958	1998	1951	1948	1958	1947	1998	1998	1955	1960
MIN	3.86	5.69	15.7	9.28	23.1	50.8	37.3	21.4	11.5	3.13	2.91	2.14
(WY)	1962	2002	1999	1961	1958	1958	1946	2001	1959	1959	1949	1943

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1942 - 2002	
ANNUAL TOTAL	13927.3		17997.4			
ANNUAL MEAN	38.2		49.3		63.2	
HIGHEST ANNUAL MEAN					90.7	1960
LOWEST ANNUAL MEAN					42.4	1962
HIGHEST DAILY MEAN	558	Apr 10	309	Feb 1	1430	Mar 22 1948
LOWEST DAILY MEAN	2.8	Oct 14	2.1	Aug 13	1.1	Sep 26 1943
ANNUAL SEVEN-DAY MINIMUM	3.1	Oct 8	2.3	Aug 9	1.2	Sep 23 1943
ANNUAL RUNOFF (CFSM)	1.09		1.41		1.81	
ANNUAL RUNOFF (INCHES)	14.85		19.18		24.60	
10 PERCENT EXCEEDS	85		131		144	
50 PERCENT EXCEEDS	17		25		35	
90 PERCENT EXCEEDS	3.7		3.4		4.5	

e Estimated

01414000 PLATTE KILL AT DUNRAVEN, NY--Continued



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.

01414500 MILL BROOK NEAR DUNRAVEN, NY

LOCATION.--Lat 42°06'22", long 74°43'51", Delaware County, Hydrologic Unit 02040102, on left bank 0.4 mi upstream from bridge on New York City Road 9 and Pepacton Reservoir, and 2.7 mi southwest of Dunraven.
DRAINAGE AREA.--25.2 mi^2.
PERIOD OF RECORD.--February 1937 to current year. Published as "at Arena" 1937-67.
REVISED RECORDS.--WSP 1432: 1937. WDR NY-82-1: Drainage area. WDR NY-84-1: 1979-83.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,298.54 ft Board of Water Supply, City of New York datum. Prior to Oct. 17, 1939, nonrecording gage at site 0.2 mi downstream at different datum. Oct. 17 to Dec. 8, 1939, nonrecording gage at present site at different datum.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,380 ft^3/s, Jan. 19, 1996, gage height, 12.56 ft, from rating curve extended above 2,740 ft^3/s on basis of flow-through-culvert measurement of peak flow; minimum discharge observed, 1.2 ft^3/s, Sept. 25, 26, 1939.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 740 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	0500	*485	*5.86				

Minimum discharge, 2.8 ft^3/s, Sept. 13, 14, 15, gage height, 3.44 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	14	78	e28	172	34	128	110	86	e26	5.5	4.5
2	16	14	60	e26	160	32	109	113	70	e23	5.9	4.1
3	14	14	51	e24	126	68	100	119	60	e22	5.8	3.8
4	13	13	45	e23	105	64	89	97	54	e20	5.5	6.4
5	12	13	41	22	85	58	79	82	60	e19	5.6	4.1
6	12	13	37	21	73	57	71	72	169	e17	5.1	3.9
7	11	12	34	23	64	53	62	65	396	e16	4.8	3.5
8	10	12	32	e21	57	49	55	57	244	e15	4.5	3.3
9	9.6	12	31	e19	50	47	54	53	158	e14	4.3	3.2
10	9.2	11	28	19	56	107	58	47	114	e13	4.1	3.1
11	8.8	11	27	20	161	82	49	41	91	e12	3.9	3.0
12	8.5	11	25	18	106	74	46	43	93	11	3.8	3.0
13	8.1	10	29	17	91	68	48	75	77	11	3.6	2.9
14	7.9	10	34	16	78	63	65	117	78	9.8	3.5	2.9
15	12	9.8	42	16	71	58	100	107	75	9.4	3.4	3.3
16	11	9.6	38	16	65	68	95	93	85	8.8	3.9	3.9
17	11	9.3	43	15	60	63	87	83	74	8.1	3.7	3.4
18	9.8	9.1	91	e14	52	60	79	132	67	7.8	3.4	3.5
19	9.3	9.0	78	e14	47	56	74	120	59	8.7	3.2	3.4
20	9.0	10	70	e13	44	55	68	107	51	9.2	3.2	3.2
21	8.7	9.6	63	e14	49	56	60	99	45	7.8	3.1	3.1
22	8.5	9.1	55	e15	47	54	56	88	40	7.2	3.0	6.5
23	8.9	8.7	51	16	43	49	50	78	95	12	3.0	4.4
24	26	8.6	60	34	41	46	44	72	92	9.7	4.3	4.4
25	22	13	50	57	39	43	51	64	58	7.9	3.6	3.9
26	20	26	45	47	38	58	51	56	e52	7.3	3.5	3.8
27	19	22	e40	45	39	197	44	52	e40	7.2	3.4	12
28	18	21	e35	47	36	130	71	57	e35	6.9	3.2	25
29	17	21	e33	60	---	112	141	49	e31	6.7	8.6	13
30	16	33	e32	166	---	121	125	45	e29	6.2	5.6	9.9
31	15	---	e30	158	---	121	---	70	---	5.7	5.2	---
TOTAL	399.3	398.8	1408	1044	2055	2203	2209	2463	2678	365.4	133.2	158.4
MEAN	12.9	13.3	45.4	33.7	73.4	71.1	73.6	79.5	89.3	11.8	4.30	5.28
MAX	26	33	91	166	172	197	141	132	396	26	8.6	25
MIN	7.9	8.6	25	13	36	32	44	41	29	5.7	3.0	2.9
CFSM	0.51	0.53	1.80	1.34	2.91	2.82	2.92	3.15	3.54	0.47	0.17	0.21
IN.	0.59	0.59	2.08	1.54	3.03	3.25	3.26	3.64	3.95	0.54	0.20	0.23

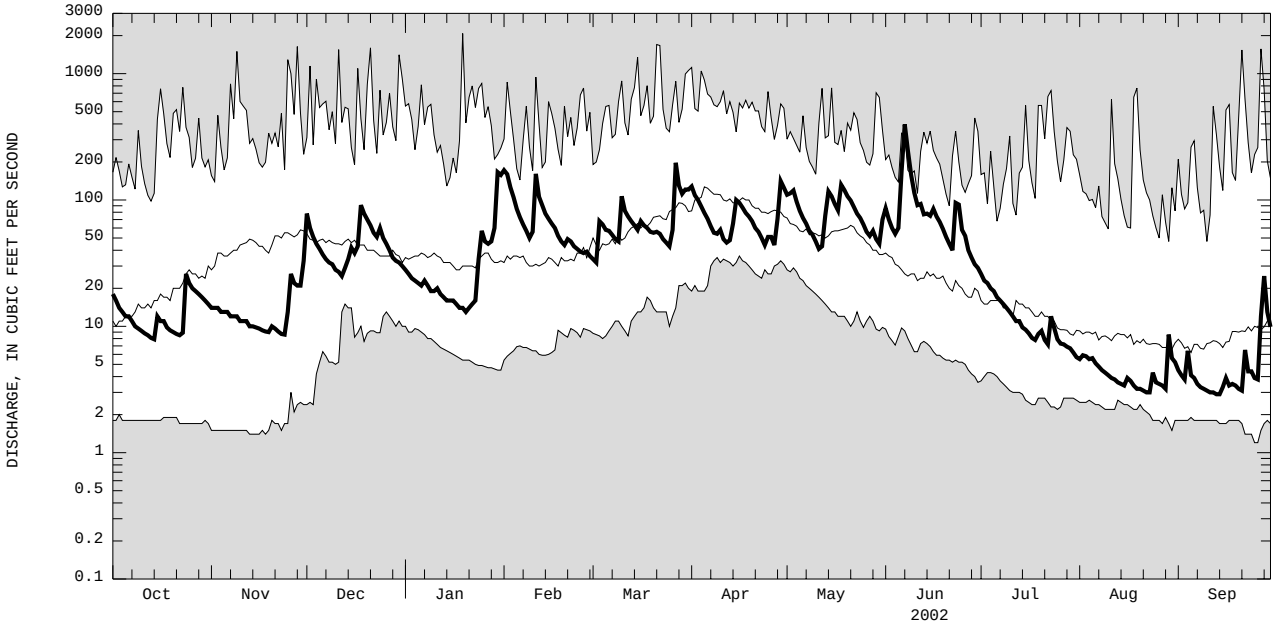
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2002, BY WATER YEAR (WY)

MEAN	33.5	62.7	67.0	55.1	56.1	93.2	126	71.1	36.8	22.5	14.6	20.4
MAX	128	158	210	171	206	216	294	171	98.2	136	87.9	116
(WY)	1978	1960	1974	1996	1981	1948	1940	1940	2000	1945	1955	1938
MIN	1.80	1.68	20.0	6.64	12.4	27.3	34.6	17.0	7.49	3.29	2.47	1.77
(WY)	1965	1965	1944	1981	1987	1965	1946	2001	1962	1993	1993	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1937 - 2002	
ANNUAL TOTAL	13757.3		15515.1			
ANNUAL MEAN	37.7		42.5		54.7	
HIGHEST ANNUAL MEAN					83.3	1960
LOWEST ANNUAL MEAN					28.1	1965
HIGHEST DAILY MEAN	600	Apr 10	396	Jun 7	2080	Jan 19 1996
LOWEST DAILY MEAN	3.2	Aug 30	2.9	Sep 13	1.2	Sep 25 1939
ANNUAL SEVEN-DAY MINIMUM	3.5	Aug 25	3.1	Sep 8	1.4	Nov 12 1964
ANNUAL RUNOFF (CFSM)	1.50		1.69		2.17	
ANNUAL RUNOFF (INCHES)	20.31		22.90		29.51	
10 PERCENT EXCEEDS	68		95		120	
50 PERCENT EXCEEDS	21		31		32	
90 PERCENT EXCEEDS	5.6		4.0		5.7	

e Estimated

01414500 MILL BROOK NEAR DUNRAVEN, NY--Continued



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.

01415000 TREMPER KILL NEAR ANDES, NY

LOCATION.--Lat 42°07'12", long 74°49'08", Delaware County, Hydrologic Unit 02040102, on right bank 500 ft upstream from bridge on County Highway 1, about 1,700 ft upstream from Pepacton Reservoir, and 5 mi south of Andes.
DRAINAGE AREA.--33.2 mi^2.
PERIOD OF RECORD.--February 1937 to current year. Published as "near Shavertown" 1937-67.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Concrete control since Nov. 1937. Datum of gage is 1,285.87 ft above NGVD of 1929. Prior to Aug. 5, 1937, nonrecording gage at site 500 ft downstream at different datum. Aug. 5 to Sept. 28, 1937, nonrecording gage at site 0.25 mi downstream at different datum.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,000 ft^3/s, Jan. 19, 1996, gage height, 7.69 ft, from floodmark in gage well, from rating curve extended above 2,900 ft^3/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 0.7 mi upstream; maximum gage height, 7.92 ft, Jan. 26, 1976 (ice jam); minimum discharge, 0.5 ft^3/s, Sept. 17, 21, 22, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0045	*403	*4.03				

Minimum discharge, 1.8 ft^3/s, Aug. 13, gage height, 2.16 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	4.0	20	e12	179	34	105	146	71	19	4.8	9.9
2	4.8	3.9	17	e11	141	33	88	145	59	17	5.1	8.1
3	4.1	4.1	15	e11	111	50	85	125	49	16	5.6	7.1
4	3.5	3.8	14	e11	95	46	76	105	44	15	6.2	56
5	3.1	4.7	13	e10	53	37	64	91	49	14	7.4	24
6	3.2	4.7	13	e10	64	42	59	78	106	13	5.8	18
7	3.4	4.3	12	10	54	41	52	72	178	13	4.9	15
8	3.0	3.9	12	e11	48	39	48	61	131	12	4.0	12
9	2.9	4.0	13	e13	42	37	49	60	112	12	3.4	9.8
10	2.8	4.1	12	16	47	59	58	59	92	12	2.7	8.2
11	2.8	4.0	12	16	167	48	45	47	73	10	2.4	7.4
12	2.7	3.7	12	15	81	48	42	55	88	9.3	2.1	6.5
13	2.5	3.8	15	15	91	48	45	142	72	8.9	2.0	5.8
14	2.3	3.7	18	14	66	46	62	219	67	8.2	3.0	5.3
15	5.4	3.8	26	14	e64	43	183	188	73	7.5	3.7	6.5
16	4.7	3.7	22	14	e62	52	144	147	95	7.2	13	9.5
17	6.1	3.3	25	14	59	45	125	129	81	6.3	45	7.2
18	6.3	3.2	88	e16	47	44	108	213	73	6.3	11	6.0
19	5.3	3.2	35	e16	38	44	94	173	60	9.7	7.8	5.3
20	4.9	4.5	23	e13	45	46	82	145	52	11	6.8	4.6
21	4.2	4.8	20	e14	62	52	70	128	46	8.2	5.2	4.6
22	3.6	4.5	17	e14	58	54	62	110	40	7.9	4.3	55
23	3.8	4.2	16	15	51	50	56	94	49	11	4.2	50
24	9.4	4.0	19	24	43	50	48	86	46	9.7	11	29
25	7.5	5.8	18	51	45	48	56	74	35	7.6	15	22
26	6.4	14	15	46	44	85	57	63	32	6.7	8.6	19
27	5.9	12	14	46	46	224	45	60	28	7.6	6.4	51
28	5.2	10	e14	47	40	149	100	108	26	7.7	5.2	61
29	4.9	10	e13	58	---	127	163	75	22	8.6	27	38
30	4.5	11	e12	154	---	116	152	66	20	6.9	20	30
31	4.1	---	e12	139	---	105	---	79	---	5.7	13	---
TOTAL	138.9	158.7	587	870	1943	1942	2423	3343	1969	315.0	266.6	591.8
MEAN	4.48	5.29	18.9	28.1	69.4	62.6	80.8	108	65.6	10.2	8.60	19.7
MAX	9.4	14	88	154	179	224	183	219	178	19	45	61
MIN	2.3	3.2	12	10	38	33	42	47	20	5.7	2.0	4.6
CFSM	0.13	0.16	0.57	0.85	2.09	1.89	2.43	3.25	1.98	0.31	0.26	0.59
IN.	0.16	0.18	0.66	0.97	2.18	2.18	2.71	3.75	2.21	0.35	0.30	0.66

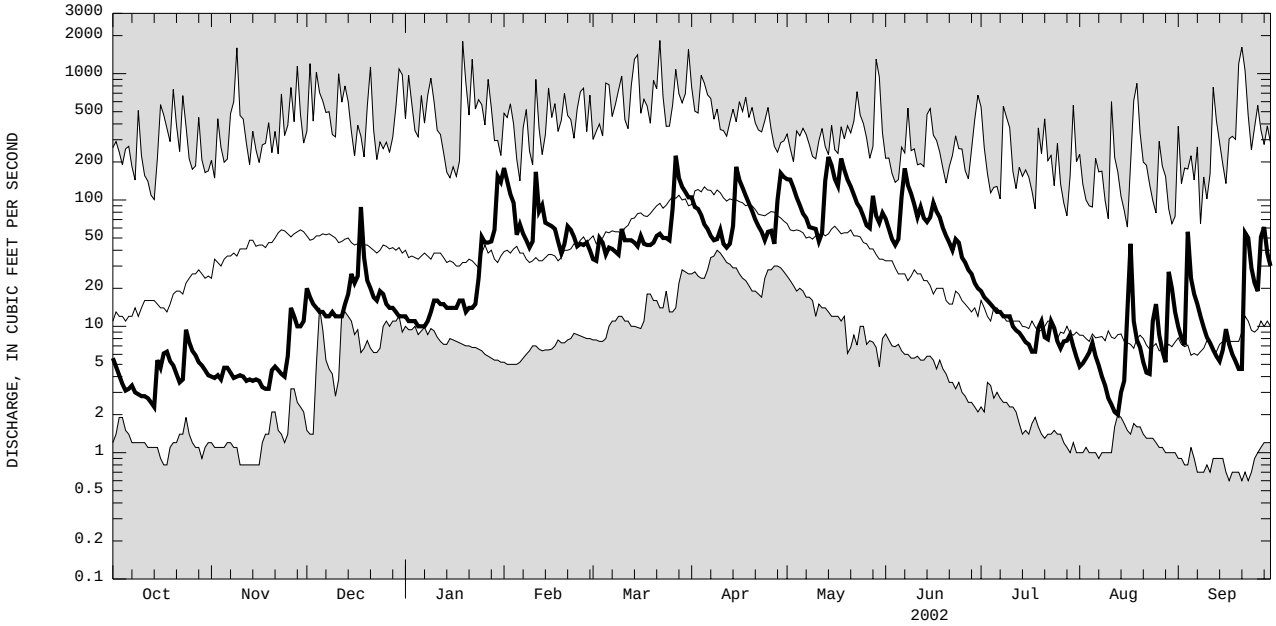
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2002, BY WATER YEAR (WY)

MEAN	34.6	61.9	70.4	63.0	65.4	110	126	71.1	36.9	20.6	16.2	24.0
MAX	158	170	196	181	186	260	284	178	122	92.9	91.6	152
(WY)	1978	1997	1997	1996	1981	1977	1956	1984	1998	1998	1955	1938
MIN	1.26	1.43	18.9	8.45	11.9	37.9	36.7	17.9	6.32	2.18	1.71	0.96
(WY)	1965	1965	2002	1977	1980	1965	1946	1987	1965	1965	1964	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1937 - 2002	
ANNUAL TOTAL	10597.3		14548.0			
ANNUAL MEAN	29.0		39.9		58.1	
HIGHEST ANNUAL MEAN					89.6	1960
LOWEST ANNUAL MEAN					26.6	1965
HIGHEST DAILY MEAN	330	Apr 10	224	Mar 27	1830	Mar 22 1948
LOWEST DAILY MEAN	1.9	Aug 8	2.0	Aug 13	0.60	Sep 17 1964
ANNUAL SEVEN-DAY MINIMUM	2.1	Aug 25	2.7	Oct 8	0.66	Sep 17 1964
ANNUAL RUNOFF (CFSM)	0.87		1.20		1.75	
ANNUAL RUNOFF (INCHES)	11.87		16.30		23.78	
10 PERCENT EXCEEDS	59		105		133	
50 PERCENT EXCEEDS	15		18		32	
90 PERCENT EXCEEDS	3.2		4.1		5.2	

e Estimated

01415000 TREMPER KILL NEAR ANDES, NY--Continued



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.

01417000 EAST BRANCH DELAWARE RIVER AT DOWNSVILLE, NY

LOCATION.--Lat 42°04'30", long 74°58'36", Delaware County, Hydrologic Unit 02040102, on left bank 0.5 mi downstream from Downsville Dam, at downstream end of outlet channel of Pepacton Reservoir, and 1.0 mi east of Downsville.
DRAINAGE AREA.--372 mi^2.
PERIOD OF RECORD.--July 1941 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,094.92 ft above NGVD of 1929 (levels by Board of Water Supply, City of New York). Prior to Sept. 26, 1941, nonrecording gage, and Sept. 26, 1941, to June 27, 1955, water-stage recorder, at site 0.8 mi downstream at datum 7.03 ft lower.
REMARKS.--No estimated daily discharges. Records good. Subsequent to September l954, entire flow from drainage area controlled by Pepacton Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply (see Reservoirs in Delaware River Basin). Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,900 ft^3/s, Nov. 26, 1950, gage height, 14.52 ft, site and datum then in use, from rating curve extended above 12,000 ft^3/s; minimum discharge, 0.3 ft^3/s, Oct. 11, 1954; minimum gage height, 1.39 ft, Jan. 17, 1964.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 9, 1903, reached a stage of about 16 ft (at former site and datum).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 655 ft^3/s, Nov. 9, gage height, 3.83 ft; minimum, 5.6 ft^3/s, Jan. 21, 22, 23, 26, gage height, 1.95 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

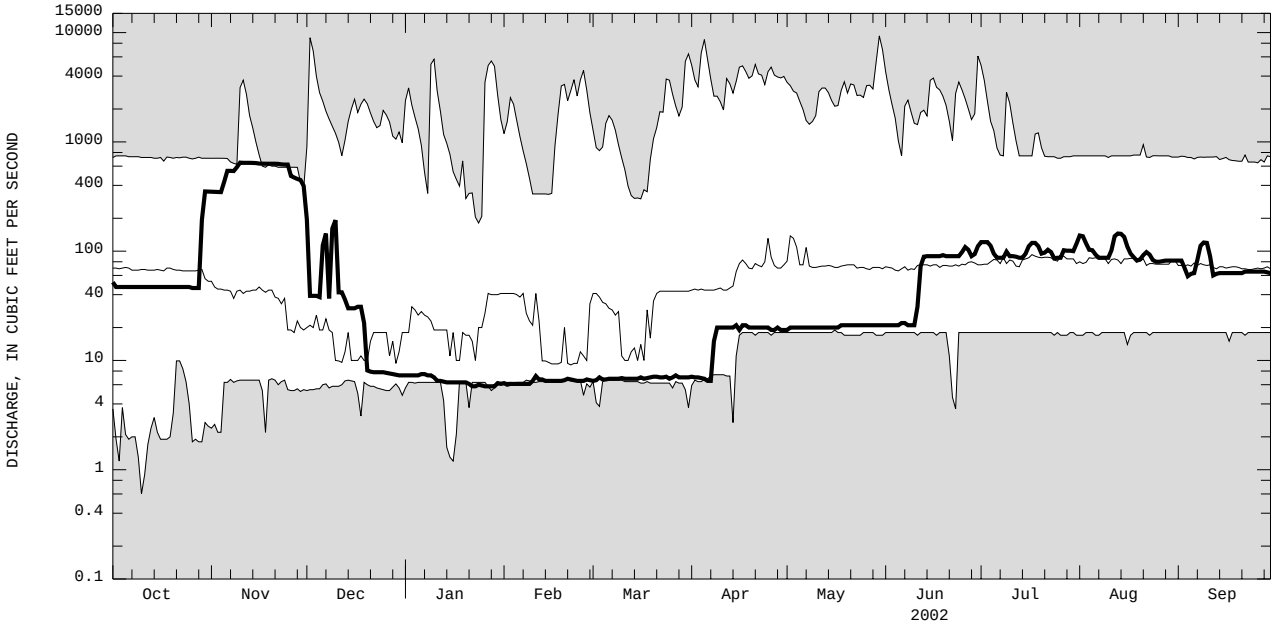
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	350	195	7.3	6.2	6.5	7.1	19	21	121	139	82
2	47	349	39	7.3	6.0	6.6	7.0	20	21	121	137	82
3	47	348	39	7.3	6.1	7.0	7.0	20	21	121	118	70
4	47	347	39	7.3	6.1	6.7	6.9	20	21	112	103	59
5	47	431	38	7.3	6.1	6.7	6.8	20	21	95	102	62
6	47	543	113	7.5	6.1	6.8	6.5	20	22	87	93	63
7	47	543	145	7.5	6.1	6.8	6.5	20	22	87	87	83
8	47	541	37	7.3	6.1	6.8	15	20	21	87	87	112
9	47	587	161	7.3	6.1	6.8	20	20	21	99	87	120
10	47	646	192	7.0	6.5	6.9	20	20	21	90	87	119
11	47	643	42	6.5	7.2	6.8	20	20	31	90	102	90
12	47	643	42	6.5	6.7	6.8	20	20	73	89	137	60
13	47	643	36	6.4	6.7	6.8	20	20	89	87	145	62
14	47	642	30	6.3	6.5	6.8	20	20	90	87	144	63
15	47	640	30	6.3	6.5	6.8	21	20	90	95	135	63
16	47	633	30	6.3	6.5	7.0	19	20	90	111	110	63
17	47	632	31	6.3	6.5	6.8	21	20	90	119	95	63
18	47	631	31	6.3	6.5	6.9	21	21	90	119	88	63
19	47	631	22	6.3	6.5	7.0	20	21	92	111	82	63
20	47	631	8.1	6.3	6.6	7.1	20	21	90	95	84	63
21	47	631	7.9	6.1	6.8	7.1	20	21	90	97	92	63
22	47	629	7.8	5.8	6.7	7.0	20	21	90	103	98	65
23	47	623	7.8	5.8	6.6	7.0	20	21	90	98	93	65
24	47	620	7.8	6.0	6.5	7.1	20	21	90	86	83	65
25	47	620	7.8	5.9	6.5	6.8	20	21	98	87	80	65
26	46	488	7.7	5.8	6.5	7.0	19	21	109	87	80	65
27	46	472	7.6	5.8	6.7	7.3	19	21	103	102	81	65
28	46	458	7.5	5.8	6.6	7.0	20	21	90	101	82	65
29	194	448	7.4	5.8	---	7.0	19	21	94	101	82	64
30	352	396	7.3	6.2	---	7.0	19	21	111	100	82	63
31	351	---	7.3	6.1	---	7.0	---	21	---	117	82	---
TOTAL	2215	16439	1384.0	201.7	180.5	213.7	500.8	633	2002	3102	3097	2150
MEAN	71.5	548	44.6	6.51	6.45	6.89	16.7	20.4	66.7	100	99.9	71.7
MAX	352	646	195	7.5	7.2	7.3	21	21	111	121	145	120
MIN	46	347	7.3	5.8	6.0	6.5	6.5	19	21	86	80	59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2002, BY WATER YEAR (WY)

MEAN	164	136	92.2	84.1	83.2	118	519	384	200	170	169	183
MAX	714	638	2035	1258	1208	621	1871	1379	901	739	739	668
(WY)	1962	1997	1997	1978	1976	1975	1993	1984	2000	1962	1956	1964
MIN	4.39	6.86	6.13	6.33	6.45	6.54	13.6	18.6	18.0	18.0	17.9	18.1
(WY)	1955	1966	1984	1964	2002	1981	1965	1966	1974	1974	1974	1974

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1955 - 2002	
ANNUAL TOTAL	48239.0		32118.7			
ANNUAL MEAN	132		88.0		192	
HIGHEST ANNUAL MEAN					507	1956
LOWEST ANNUAL MEAN					57.1	1999
HIGHEST DAILY MEAN	2240	Apr 17	646	Nov 10	9340	May 30 1984
LOWEST DAILY MEAN	7.3	Dec 30	5.8	Jan 22	0.60	Oct 10 1954
ANNUAL SEVEN-DAY MINIMUM	7.5	Dec 25	5.8	Jan 22	1.5	Oct 6 1954
10 PERCENT EXCEEDS	351		151		573	
50 PERCENT EXCEEDS	63		38		54	
90 PERCENT EXCEEDS	46		6.5		7.4	

01417000 EAST BRANCH DELAWARE RIVER AT DOWNSVILLE, NY--Continued



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.

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY

LOCATION.--Lat 42°01'29", long 75°07'13", Delaware County, Hydrologic Unit 02040102, on right bank 800 ft downstream from Baxter Brook, and 1,100 ft downstream from highway bridge at Harvard. Water-quality sampling site at discharge station.
DRAINAGE AREA.--458 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1934 to June 1967, November 1977 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area. WDR NY-84-1: 1978-81(M).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,007.41 ft above NGVD of 1929. Prior to Aug. 12, 1958, water-stage recorder 1,100 ft upstream at datum 0.65 ft higher, and from Aug. 12, 1958, to June 30, 1967, water-stage recorder at site 200 ft downstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to September 1954, entire flow from 371 mi^2 of drainage area controlled by Pepacton Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River Basin, as directed by the Delaware River Master. Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,400 ft^3/s, Sept. 22, 1938, gage height, 16.93 ft, site and datum then in use, from rating curve extended above 10,000 ft^3/s on basis of slope-area measurement at gage height 15.58 ft, datum then in use; minimum discharge, 7.2 ft^3/s, Oct. 13, 1954, gage height, 1.63 ft, site and datum then in use.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,760 ft^3/s, May 28, gage height, 6.45 ft; minimum, 29 ft^3/s, Jan. 19, gage height, 2.00 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	379	448	e68	568	114	441	445	e640	168	147	98
2	61	380	150	70	539	108	365	419	508	168	163	97
3	57	378	124	64	412	145	310	374	366	166	143	96
4	54	377	113	64	348	153	272	313	284	161	129	100
5	53	398	106	61	279	134	227	277	282	143	126	84
6	53	567	100	56	232	142	198	241	443	129	120	79
7	52	572	243	55	197	137	174	222	972	126	107	77
8	52	571	117	60	175	128	157	197	743	122	104	107
9	51	578	96	56	153	120	155	187	491	129	103	126
10	50	663	318	55	148	136	159	183	357	127	102	127
11	49	663	114	55	569	128	137	153	282	120	106	126
12	49	663	88	53	457	125	126	159	263	118	126	81
13	49	665	90	51	390	122	124	312	278	117	155	73
14	48	660	100	48	e290	119	149	671	267	115	154	73
15	59	657	136	46	e270	111	396	633	296	114	156	77
16	57	654	134	45	232	121	381	488	305	126	139	80
17	63	651	144	44	207	120	343	403	290	139	114	75
18	61	651	383	41	175	114	296	590	267	139	112	74
19	59	650	363	38	151	114	256	592	254	140	98	74
20	57	647	293	41	141	120	226	494	229	134	100	73
21	55	642	241	42	167	126	199	411	212	115	97	73
22	54	640	195	44	177	139	179	343	198	125	109	127
23	56	640	168	42	161	126	161	286	203	136	111	136
24	86	640	172	56	149	124	141	245	219	123	111	103
25	80	653	156	125	141	121	144	214	184	114	102	90
26	73	612	134	139	136	144	168	183	191	113	99	84
27	71	498	e110	142	139	625	139	284	190	122	97	110
28	69	529	e90	149	129	539	224	e1200	170	127	97	140
29	78	491	e80	169	---	466	526	e800	156	126	109	114
30	365	469	e78	459	---	455	499	e470	160	122	106	101
31	378	---	e72	608	---	457	---	e420	---	121	100	---
TOTAL	2481	17238	5156	3046	7132	5833	7272	12209	9700	4045	3642	2875
MEAN	80.0	575	166	98.3	255	188	242	394	323	130	117	95.8
MAX	378	665	448	608	569	625	526	1200	972	168	163	140
MIN	48	377	72	38	129	108	124	153	156	113	97	73

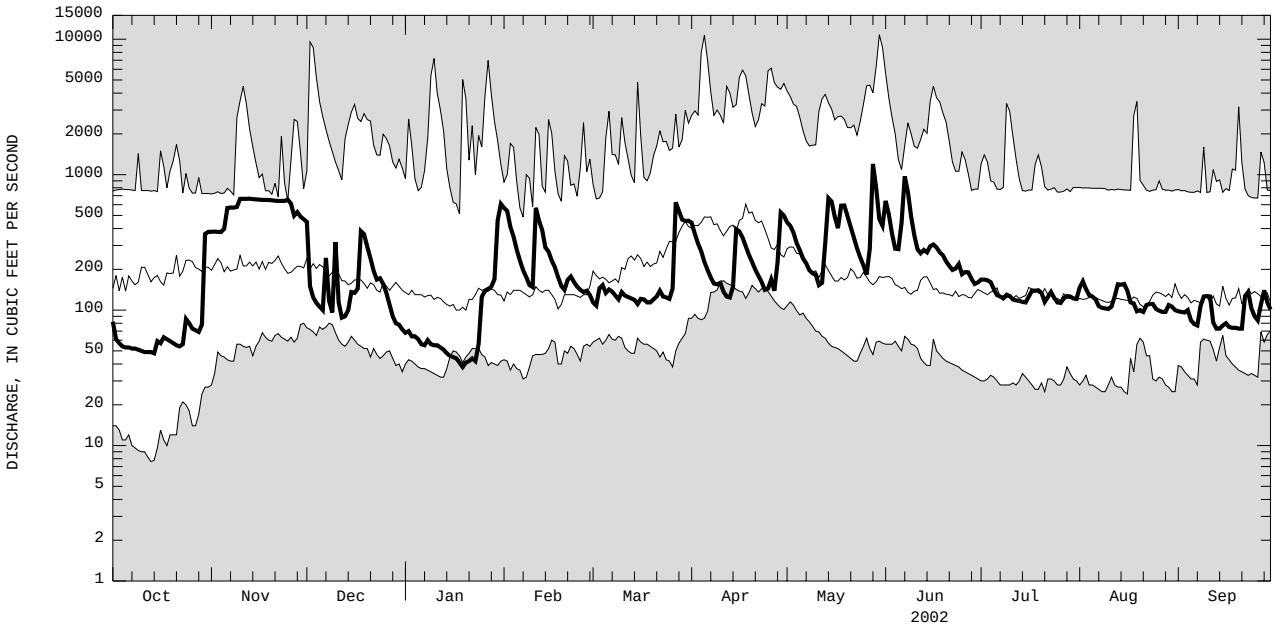
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2002, BY WATER YEAR (WY)

MEAN	274	329	284	239	213	343	754	503	295	234	249	269
MAX	745	949	2327	1558	725	761	2477	1670	1117	767	770	653
(WY)	1962	1997	1997	1978	1981	1986	1993	1984	2000	1962	1956	1964
MIN	13.7	73.1	74.5	68.6	70.7	111	180	79.0	47.7	37.5	43.6	76.5
(WY)	1955	1999	1961	1963	1963	1981	1985	1955	1964	1966	1965	1965

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1955 - 2002	
ANNUAL TOTAL	85079		80629			
ANNUAL MEAN	233		221		328	
HIGHEST ANNUAL MEAN					688	1956
LOWEST ANNUAL MEAN					175	1999
HIGHEST DAILY MEAN	2360	Apr 17	1200	May 28	10800	May 30 1984
LOWEST DAILY MEAN	48	Oct 14	38	Jan 19	7.6	Oct 13 1954
ANNUAL SEVEN-DAY MINIMUM	50	Oct 8	42	Jan 17	8.6	Oct 8 1954
10 PERCENT EXCEEDS	608		533		708	
50 PERCENT EXCEEDS	119		140		168	
90 PERCENT EXCEEDS	65		59		78	

e Estimated

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY--Continued



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.

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1978 to current year.
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. Prior to June 1994, water-temperature recorder provided one-hour interval readings.
REMARKS.--Water temperature is affected by release of water from upstream reservoir.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1978, 1981-82, 1984-2002), 28.0°C, June 30, 1981; minimum (water years 1979-87, 1989-2002), 0.0°C on many days during winter periods, except 1989, 1998.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 23.5°C, July 22; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.0	10.5	12.0	7.0	5.0	6.0	8.5	7.5	8.0	0.5	0.0	0.0
2	15.0	11.5	13.0	8.0	6.0	7.0	8.0	6.5	7.5	0.5	0.0	0.5
3	16.5	12.5	14.5	8.5	7.5	8.0	6.5	5.5	6.0	1.0	0.0	0.5
4	17.5	13.5	15.5	7.5	6.5	7.0	6.0	4.5	5.0	0.5	0.0	0.5
5	17.0	14.5	16.0	6.5	5.0	5.5	7.5	6.0	6.5	1.0	0.5	0.5
6	16.0	12.0	14.0	6.0	5.0	5.5	8.0	6.5	7.0	1.0	0.0	0.5
7	12.0	9.5	10.5	6.0	4.5	5.5	7.5	5.5	6.5	0.5	0.0	0.0
8	9.5	7.5	8.5	6.0	4.5	5.5	5.5	3.0	4.5	0.5	0.0	0.0
9	10.0	6.5	8.0	6.0	4.5	5.5	3.5	2.5	3.0	0.5	0.0	0.5
10	12.0	8.0	10.0	6.0	3.5	5.0	4.5	2.5	4.0	0.5	0.5	0.5
11	13.0	8.5	11.0	6.0	5.0	5.5	5.0	3.5	4.5	0.5	0.0	0.5
12	14.0	10.0	12.0	5.0	4.0	4.5	5.0	3.5	4.0	1.0	0.5	0.5
13	16.0	12.5	14.0	5.5	4.0	4.5	6.0	4.5	5.0	0.5	0.5	0.5
14	15.0	13.5	14.5	6.0	4.5	5.5	6.5	5.5	6.0	0.5	0.0	0.5
15	14.5	12.5	14.0	7.0	6.0	6.5	6.5	4.0	5.5	0.5	0.5	0.5
16	13.0	11.0	12.0	7.0	6.0	6.5	4.0	3.0	3.5	0.5	0.5	0.5
17	12.0	9.0	10.5	6.5	4.5	5.5	4.0	3.5	3.5	1.0	0.5	0.5
18	10.0	7.5	8.5	6.0	4.5	5.5	4.5	4.0	4.0	0.5	0.0	0.5
19	9.5	6.5	8.0	6.5	5.0	6.0	5.0	4.0	4.5	0.5	0.0	0.0
20	10.0	8.0	9.0	6.5	5.0	6.0	4.0	3.5	4.0	0.5	0.0	0.0
21	11.5	7.5	9.5	5.5	4.0	4.5	3.5	2.5	3.0	0.5	0.0	0.0
22	11.5	10.0	11.0	6.0	4.5	5.5	3.0	2.0	2.5	1.0	0.0	0.5
23	11.5	9.5	10.5	6.5	5.0	5.5	2.5	1.0	2.0	1.0	0.0	0.5
24	14.0	11.5	12.5	7.5	6.0	6.5	3.5	2.5	3.0	0.5	0.5	0.5
25	14.0	11.0	13.0	8.5	7.5	8.0	2.5	1.5	2.0	1.0	0.0	0.5
26	11.0	8.0	9.5	8.0	7.5	7.5	2.0	0.5	1.0	1.0	0.0	0.5
27	8.0	7.0	7.5	7.5	6.5	7.0	0.5	0.0	0.5	1.0	0.0	0.5
28	7.5	5.5	6.5	7.5	6.5	7.0	0.5	0.5	0.5	1.0	0.0	0.5
29	7.5	4.5	6.0	7.5	6.5	6.5	0.5	0.0	0.5	2.0	0.5	1.0
30	6.5	5.5	6.0	8.5	6.5	7.5	0.5	0.0	0.5	3.0	2.0	2.5
31	5.5	4.5	5.0	---	---	---	0.5	0.0	0.0	3.0	2.5	2.5
MONTH	17.5	4.5	10.7	8.5	3.5	6.1	8.5	0.0	3.8	3.0	0.0	0.5

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	2.5	3.0	3.0	0.0	1.5	8.0	5.5	7.0	11.5	6.0	8.5
2	2.5	1.0	1.5	3.0	0.5	1.5	6.5	4.5	5.5	9.5	8.5	8.5
3	2.0	0.5	1.0	5.5	3.0	4.5	6.5	5.0	6.0	9.5	7.0	8.5
4	2.5	1.0	2.0	4.5	1.0	3.0	6.0	4.0	5.0	12.5	6.5	9.5
5	1.0	0.0	0.5	1.0	0.0	0.5	5.0	3.0	4.0	14.5	8.5	11.5
6	1.5	0.0	1.0	4.5	0.5	2.0	5.0	2.5	3.5	15.5	10.0	12.5
7	3.0	0.5	1.5	5.0	2.0	3.5	6.5	1.5	4.0	15.5	12.0	14.0
8	4.0	1.5	2.5	7.0	3.0	5.0	6.5	4.5	5.5	16.5	12.5	14.5
9	4.5	2.0	3.0	9.0	6.0	7.5	9.5	6.0	8.0	14.5	11.0	12.5
10	3.5	2.0	2.5	9.0	2.5	6.0	12.0	7.5	9.5	15.5	10.5	13.0
11	3.5	0.5	2.5	4.0	0.5	2.0	13.0	7.5	10.0	16.0	10.5	13.0
12	2.0	0.0	1.0	3.0	1.5	2.5	12.0	8.0	10.0	14.0	11.0	12.0
13	2.5	0.5	1.5	4.0	2.5	3.0	12.0	11.0	11.5	11.0	9.5	10.5
14	1.0	0.0	0.5	8.5	3.5	5.5	15.5	10.5	13.0	10.0	8.5	9.5
15	2.0	0.0	1.0	8.0	5.5	7.0	16.0	12.5	14.0	11.5	8.0	9.5
16	4.0	1.5	2.5	8.0	5.0	7.0	17.0	12.0	14.5	13.5	8.5	11.0
17	4.0	2.5	3.0	6.0	3.5	4.5	17.5	13.0	15.5	14.0	11.5	12.5
18	3.0	0.5	2.0	5.0	3.5	3.5	19.0	14.0	16.5	12.0	8.0	9.5
19	3.5	0.5	2.0	4.5	3.0	3.5	18.0	14.0	16.0	9.5	7.0	8.0
20	4.5	2.5	3.5	4.0	2.0	2.5	15.5	12.0	13.5	9.5	7.0	8.0
21	6.5	4.5	5.5	6.5	2.0	4.0	12.0	9.5	10.5	9.5	6.5	8.0
22	5.5	3.5	4.5	3.5	1.0	2.0	10.0	6.5	8.0	13.5	7.0	10.0
23	5.0	2.5	3.5	4.5	0.5	2.5	8.5	6.0	7.0	15.5	9.0	12.0
24	4.5	1.0	2.5	6.0	2.0	4.0	12.5	5.5	8.5	15.0	11.0	13.0
25	5.0	2.0	3.5	6.5	4.0	5.0	10.0	7.0	8.0	17.0	11.0	14.0
26	6.5	3.0	4.5	4.0	2.5	3.0	9.5	5.5	7.5	16.0	13.0	14.5
27	5.5	2.5	4.5	3.5	2.5	3.0	12.0	5.5	8.5	18.0	13.0	15.0
28	2.5	0.5	1.5	6.5	2.0	4.0	10.0	8.5	9.0	14.0	11.0	12.0
29	---	---	---	7.5	4.0	5.5	8.5	6.5	7.5	13.5	11.0	12.0
30	---	---	---	9.5	6.0	7.5	7.5	6.0	6.5	16.0	12.0	14.0
31	---	---	---	9.0	6.5	8.0	---	---	---	15.0	13.5	14.0
MONTH	6.5	0.0	2.4	9.5	0.0	4.0	19.0	1.5	9.1	18.0	6.0	11.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.5	12.5	14.5	21.5	17.0	19.5	22.5	18.0	20.5	17.5	16.0	16.5
2	16.0	13.0	14.0	22.5	16.5	19.5	20.0	16.0	18.5	17.0	15.0	16.0
3	16.0	11.5	13.5	23.0	17.5	20.0	21.5	15.5	18.5	19.5	14.5	17.0
4	14.5	12.0	13.5	23.0	17.5	20.0	22.0	16.5	19.5	21.0	17.5	19.0
5	16.5	13.0	14.5	21.0	16.5	19.0	20.5	17.5	19.0	19.5	17.0	18.0
6	15.5	13.0	14.5	18.5	16.0	17.5	19.0	16.0	18.0	19.5	15.5	17.5
7	15.5	12.0	13.5	20.5	15.0	17.5	19.0	15.0	17.0	20.0	15.5	17.5
8	15.5	12.0	13.5	22.5	16.5	19.5	19.5	15.0	17.5	19.5	15.5	17.5
9	17.5	13.0	15.0	20.5	18.0	19.0	21.0	15.0	18.0	19.0	14.5	17.0
10	19.0	14.0	16.5	21.5	16.5	19.0	22.0	16.5	19.0	19.0	14.5	17.0
11	19.5	15.0	17.5	21.0	15.5	18.5	22.5	17.0	19.5	17.0	13.5	15.0
12	18.5	16.5	17.5	21.5	15.5	18.5	21.5	17.5	20.0	16.0	11.0	13.5
13	17.0	15.0	15.5	22.0	16.5	19.5	20.5	16.0	18.5	17.0	12.0	14.5
14	15.0	12.5	13.5	22.5	17.5	20.0	19.0	15.5	17.5	18.0	14.0	16.0
15	13.0	12.0	12.5	22.0	18.5	20.0	18.5	14.5	16.5	17.0	17.0	17.0
16	15.0	12.0	13.5	22.5	18.0	20.5	19.5	15.0	17.0	17.0	16.0	16.5
17	16.5	13.0	14.5	22.5	16.5	19.5	21.0	16.5	18.5	18.0	14.5	16.0
18	17.0	13.0	15.0	22.5	17.5	20.0	21.5	17.5	19.5	17.5	14.5	16.0
19	19.0	14.0	16.5	21.0	18.0	19.0	21.5	17.5	19.5	17.5	15.0	16.5
20	20.0	14.5	17.0	21.5	16.5	19.0	21.0	18.5	19.5	20.0	16.0	18.0
21	20.5	15.0	18.0	21.0	17.0	19.0	21.0	16.0	18.5	19.0	18.0	18.5
22	19.5	16.0	17.5	23.5	18.5	21.0	19.5	16.5	18.5	18.5	16.0	17.5
23	19.5	15.5	17.5	22.0	19.0	20.5	20.0	17.0	18.5	17.5	15.0	16.0
24	21.5	16.5	19.0	21.0	17.0	19.0	19.0	15.5	17.0	17.0	13.5	15.5
25	21.5	17.0	19.0	20.5	17.5	19.0	19.0	14.5	16.5	16.0	13.5	15.0
26	21.5	17.0	19.0	19.5	16.5	18.0	19.5	15.5	17.5	15.0	13.5	14.0
27	20.5	17.0	18.5	18.0	16.0	17.0	19.5	16.0	18.0	13.5	12.5	13.0
28	20.0	16.5	18.5	17.5	15.5	16.5	19.0	16.0	17.5	14.0	12.5	13.5
29	21.5	16.0	18.5	21.5	15.5	18.5	17.0	14.0	15.5	15.0	11.5	13.5
30	21.5	16.5	19.0	22.5	18.0	20.0	16.5	13.0	14.5	15.5	12.5	14.0
31	---	---	---	23.0	18.0	20.5	19.0	14.0	16.5	---	---	---
MONTH	21.5	11.5	16.0	23.5	15.0	19.2	22.5	13.0	18.1	21.0	11.0	16.1

01420500 BEAVER KILL AT COOKS FALLS, NY

LOCATION.--Lat 41°56'47", long 74°58'48", Delaware County, Hydrologic Unit 02040102, on left bank 125 ft downstream from highway bridge in Cooks Falls, and 5.5 mi downstream from Willowemoc Creek. Water-quality sampling site at discharge station.
DRAINAGE AREA.--241 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1913 to current year.
REVISED RECORDS.--WSP 521: Drainage area. WSP 781: 1933(M). WSP 891: 1936-39(M). WSP 1202: 1950. WSP 1232: 1950(M).
GAGE.--Water-stage recorder. Datum of gage is 1,151.70 ft above NGVD of 1929. Prior to Oct. 1, 1933, nonrecording gage at site 125 ft upstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite gage-height and temperature telemeter and National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,900 ft^3/s, Jan. 19, 1996, gage height, 17.79 ft, from floodmark in gage well, outside gage height, 18.5 ft, from floodmark, from rating curve extended above 13,000 ft^3/s on basis of slope-area measurement at gage height 15.52 ft; minimum discharge, 16 ft^3/s, Nov. 22, 23, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	0645	*4,900	*7.75	No other peak greater than base discharge.			

Minimum discharge, 36 ft^3/s, Sept. 13, 14, 15, gage height, 0.63 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	99	874	212	1010	368	1400	1160	1460	206	62	61
2	127	98	562	e220	1210	353	1130	1310	842	192	59	55
3	117	98	421	e210	868	655	971	1520	649	179	59	51
4	108	96	358	e200	746	740	876	1120	543	167	57	86
5	102	97	323	e190	613	524	739	935	677	154	66	76
6	99	98	297	e200	553	494	654	812	1430	143	68	59
7	98	95	274	e210	493	466	578	721	3790	136	57	51
8	93	93	255	e200	454	441	534	636	1970	129	53	46
9	88	92	263	e200	412	433	499	610	1310	125	51	43
10	84	90	240	e190	418	770	519	582	983	129	48	42
11	82	88	227	e180	1630	640	449	490	787	116	47	40
12	80	85	222	e180	1040	564	407	506	692	108	46	38
13	78	83	239	e170	820	530	400	1470	649	103	44	37
14	75	82	334	176	e580	540	687	2260	646	100	44	36
15	106	82	556	172	e500	535	1220	1590	784	97	72	38
16	113	82	426	170	e470	601	947	1160	979	92	56	93
17	103	80	425	166	e450	574	771	976	738	87	52	99
18	98	78	1140	153	e420	526	679	1580	587	82	49	67
19	89	77	930	104	401	496	614	1470	550	91	45	54
20	84	81	728	165	391	511	582	1120	484	115	45	49
21	82	81	633	e140	566	521	528	958	422	95	47	45
22	81	77	533	e140	645	530	490	825	378	85	43	68
23	81	75	475	e140	528	466	464	725	372	84	43	71
24	129	75	525	e160	460	444	416	639	406	98	52	58
25	148	85	487	336	432	443	454	572	327	84	62	51
26	128	197	421	299	424	471	659	517	311	79	53	47
27	118	174	344	277	468	2090	496	476	330	78	47	130
28	112	149	e300	276	422	1380	809	942	286	79	43	745
29	107	145	e280	303	---	1180	2070	727	248	77	90	286
30	104	184	e260	739	---	1510	1350	594	222	71	120	177
31	102	---	241	1050	---	1470	---	891	---	65	78	---
TOTAL	3155	3016	13593	7528	17424	21266	22392	29894	23852	3446	1758	2799
MEAN	102	101	438	243	622	686	746	964	795	111	56.7	93.3
MAX	148	197	1140	1050	1630	2090	2070	2260	3790	206	120	745
MIN	75	75	222	104	391	353	400	476	222	65	43	36
CFSM	0.42	0.42	1.82	1.01	2.58	2.85	3.10	4.00	3.30	0.46	0.24	0.39
IN.	0.49	0.47	2.10	1.16	2.69	3.28	3.46	4.61	3.68	0.53	0.27	0.43

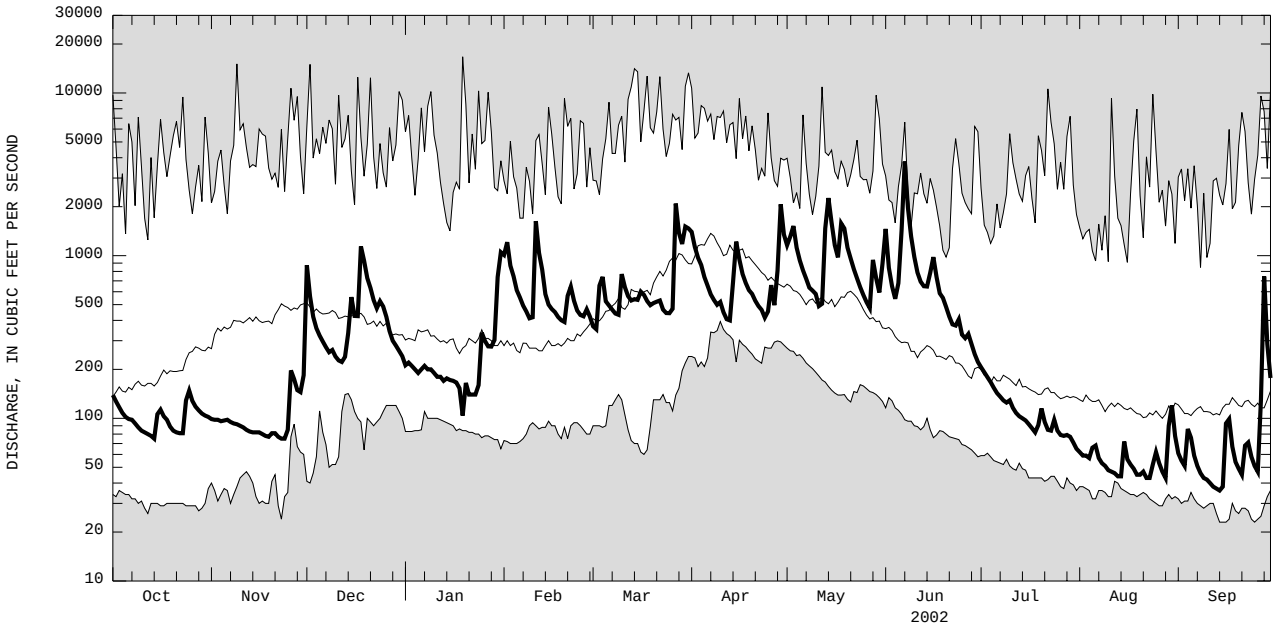
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2002, BY WATER YEAR (WY)

MEAN	378	596	630	527	497	965	1275	694	392	279	209	239
MAX	1535	1427	1967	1769	2026	2485	2581	1584	1271	1329	1037	946
(WY)	1978	1973	1997	1996	1981	1977	1940	1989	1928	1945	1938	1938
MIN	31.3	42.4	140	93.5	107	289	347	222	107	54.0	40.4	31.8
(WY)	1965	1965	1923	1981	1920	1932	1946	2001	1991	1962	1962	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1913 - 2002	
ANNUAL TOTAL	131820		150123			
ANNUAL MEAN	361		411		556	
HIGHEST ANNUAL MEAN					937	1928
LOWEST ANNUAL MEAN					277	1965
HIGHEST DAILY MEAN	7070	Apr 10	3790	Jun 7	16700	Jan 19 1996
LOWEST DAILY MEAN	46	Aug 27	36	Sep 14	23	Sep 14 1913
ANNUAL SEVEN-DAY MINIMUM	47	Aug 25	39	Sep 9	26	Sep 21 1964
ANNUAL RUNOFF (CFSM)	1.50		1.71		2.31	
ANNUAL RUNOFF (INCHES)	20.35		23.17		31.34	
10 PERCENT EXCEEDS	699		963		1220	
50 PERCENT EXCEEDS	207		255		319	
90 PERCENT EXCEEDS	65		57		84	

e Estimated

01420500 BEAVER KILL AT COOKS FALLS, NY--Continued



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.

01420500 BEAVER KILL AT COOKS FALLS, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-75, 1988 to current year.
CHEMICAL DATA: 1966 (c), 1967-74 (d), 1975 (c).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1987 to current year.
INSTRUMENTATION.--Water-temperature satellite and telephone telemeter since June 1986, provides 15-minute-interval readings.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1991, 1993-97, 1999-2002), 31.0°C, July 9, 1993; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 29.5°C, Aug. 3; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.5	10.5	12.5	8.0	5.5	7.0	9.5	8.5	9.0	0.0	0.0	0.0
2	15.5	11.5	13.5	10.5	7.0	9.0	8.5	6.5	7.5	0.5	0.0	0.0
3	16.5	12.5	14.5	12.0	10.0	11.0	6.5	5.0	5.5	0.5	0.0	0.0
4	17.0	13.5	15.5	11.0	9.0	10.0	5.5	4.0	5.0	0.0	0.0	0.0
5	17.5	14.0	15.5	9.5	6.5	7.5	7.0	5.5	6.5	0.0	0.0	0.0
6	15.5	12.0	14.0	7.0	5.5	6.0	7.5	6.5	7.0	0.0	0.0	0.0
7	12.0	9.0	10.5	7.0	5.0	6.0	7.5	5.5	7.0	0.0	0.0	0.0
8	9.5	7.0	8.0	6.5	5.0	6.0	5.5	3.0	4.5	0.0	0.0	0.0
9	9.5	5.5	8.0	6.5	4.5	5.5	3.5	2.5	3.0	0.0	0.0	0.0
10	12.0	8.0	10.0	6.0	3.5	4.5	3.0	2.0	2.5	0.0	0.0	0.0
11	13.0	9.0	11.0	6.0	4.0	5.0	3.5	2.5	3.0	0.0	0.0	0.0
12	14.5	11.0	12.5	4.0	2.5	3.0	3.5	2.0	2.5	0.0	0.0	0.0
13	16.0	12.5	14.5	4.0	1.5	2.5	5.0	3.0	4.0	0.0	0.0	0.0
14	15.0	14.0	14.5	4.5	2.0	3.5	6.0	5.0	5.5	0.0	0.0	0.0
15	15.0	12.5	14.0	7.0	4.0	5.5	6.0	3.5	5.0	0.0	0.0	0.0
16	12.5	10.5	12.0	9.0	6.5	7.5	3.5	2.5	3.0	0.0	0.0	0.0
17	11.5	8.5	10.5	7.0	5.0	6.0	3.5	3.0	3.5	0.0	0.0	0.0
18	10.0	7.5	8.5	6.0	3.5	4.5	4.0	3.5	4.0	0.0	0.0	0.0
19	9.5	6.5	8.0	6.0	4.0	5.0	4.5	3.5	4.0	0.0	0.0	0.0
20	11.0	8.0	9.5	6.0	4.0	5.5	4.0	3.0	3.5	0.0	0.0	0.0
21	11.5	8.0	10.0	4.0	2.5	3.5	3.0	2.5	3.0	0.0	0.0	0.0
22	12.0	10.5	11.0	4.0	2.0	3.0	2.5	1.5	2.0	0.0	0.0	0.0
23	12.0	10.0	11.0	4.5	2.0	3.0	2.5	0.5	1.5	0.0	0.0	0.0
24	14.5	12.0	13.0	7.0	4.0	5.5	3.5	2.5	3.0	0.0	0.0	0.0
25	14.0	11.5	13.0	9.5	7.0	8.5	2.5	1.5	2.0	1.0	0.0	0.5
26	11.5	8.0	9.5	9.0	8.0	8.5	1.5	0.5	1.0	1.0	0.0	0.5
27	8.5	7.0	7.5	8.0	7.0	7.5	0.5	0.0	0.5	1.5	0.0	1.0
28	7.5	5.5	6.5	8.5	7.0	8.0	0.5	0.0	0.5	2.0	0.0	1.0
29	7.0	4.0	6.0	8.5	7.5	7.5	0.5	0.0	0.5	2.5	1.0	2.0
30	8.0	6.0	7.0	9.5	7.5	8.5	0.5	0.0	0.5	3.0	2.5	2.5
31	6.5	5.0	5.5	---	---	---	0.0	0.0	0.0	2.5	2.0	2.0
MONTH	17.5	4.0	10.9	12.0	1.5	6.1	9.5	0.0	3.5	3.0	0.0	0.3

01420500 BEAVER KILL AT COOKS FALLS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	2.0	2.5	2.5	0.0	1.5	6.5	5.0	6.0	10.0	5.5	8.0
2	2.5	0.5	1.0	2.5	0.5	1.5	5.5	3.5	5.0	9.0	7.5	8.0
3	1.5	0.0	1.0	5.0	2.5	4.0	6.5	5.0	5.5	8.5	7.0	8.0
4	2.0	0.5	1.5	4.0	0.5	2.5	5.5	3.5	4.5	11.0	6.0	8.5
5	1.0	0.0	0.5	1.5	0.5	0.5	4.0	2.5	3.5	12.5	7.5	10.0
6	1.5	0.0	0.5	4.0	0.5	2.0	4.5	2.5	3.5	13.0	8.5	11.0
7	2.5	0.5	1.5	4.5	2.0	3.5	5.5	1.5	3.5	13.5	11.0	12.0
8	3.5	1.5	2.5	6.5	3.0	4.5	5.5	4.0	5.0	14.5	11.0	12.5
9	4.0	2.0	2.5	7.5	5.5	6.0	8.5	5.0	7.0	12.5	9.5	10.5
10	3.0	2.0	2.5	7.5	2.5	5.0	10.5	7.0	8.5	14.0	9.0	11.5
11	3.0	0.5	2.0	3.0	0.5	1.5	10.5	6.0	8.5	13.5	9.5	11.5
12	2.0	0.0	1.0	2.5	1.0	2.0	9.5	6.5	8.5	12.0	9.5	10.0
13	2.0	0.0	1.5	3.0	2.0	2.5	10.0	8.5	9.5	9.5	9.0	9.0
14	1.5	0.0	0.5	7.0	3.0	5.0	13.0	9.0	11.0	9.0	8.0	8.5
15	2.0	0.0	1.0	7.0	5.0	6.0	14.0	11.0	12.5	11.0	7.0	9.0
16	3.5	1.5	2.5	7.0	4.5	6.5	15.0	10.5	13.0	12.5	7.5	10.0
17	3.5	2.0	3.0	4.5	3.0	4.0	16.0	12.0	14.0	13.0	10.5	11.5
18	2.5	0.5	1.5	4.0	2.5	3.0	17.0	13.0	15.0	11.5	8.0	9.0
19	3.0	0.0	1.5	4.0	2.5	3.5	16.0	13.0	14.5	9.0	6.5	8.0
20	4.0	2.5	3.0	4.0	1.5	2.5	14.5	10.5	12.5	9.5	6.5	8.0
21	5.5	4.0	4.5	6.0	2.0	3.5	10.5	9.0	9.5	9.0	6.0	8.0
22	4.5	3.0	3.5	3.5	1.0	2.0	9.0	6.5	7.5	12.0	6.5	9.5
23	4.0	2.0	2.5	4.0	0.5	2.0	7.5	5.5	6.5	13.5	8.0	11.0
24	3.5	1.0	2.0	5.0	2.0	3.5	10.5	5.0	8.0	13.5	10.0	12.0
25	4.5	1.5	3.0	5.0	3.5	4.0	9.0	6.0	7.0	15.0	10.5	13.0
26	5.5	2.5	4.0	3.5	2.0	2.5	8.0	5.0	6.5	13.5	12.0	12.5
27	5.0	2.5	4.0	3.0	2.0	2.5	10.0	5.0	7.5	16.0	12.0	14.0
28	2.5	0.5	1.5	5.5	1.5	3.5	9.0	7.5	8.0	15.0	12.5	13.0
29	---	---	---	6.5	3.0	5.0	7.5	6.0	7.0	14.5	12.0	13.0
30	---	---	---	8.0	5.0	6.5	7.0	5.5	6.0	17.0	13.0	14.5
31	---	---	---	7.5	5.0	6.0	---	---	---	15.5	14.0	15.0
MONTH	5.5	0.0	2.1	8.0	0.0	3.5	17.0	1.5	8.2	17.0	5.5	10.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	13.0	14.5	23.5	19.5	21.5	28.5	22.0	25.0	19.5	17.5	18.5
2	16.0	13.0	14.5	25.0	20.0	22.5	28.0	22.5	25.0	21.5	16.5	19.0
3	15.5	11.0	13.5	26.5	22.0	24.0	29.5	23.0	25.5	24.5	18.5	21.0
4	14.5	12.0	13.5	27.0	22.5	24.5	28.5	21.5	25.0	24.5	20.5	22.0
5	16.0	12.5	14.0	24.0	20.5	22.0	26.5	23.0	24.5	22.0	18.0	20.0
6	15.5	13.0	14.0	21.0	18.0	19.5	24.0	19.5	22.0	22.5	16.0	19.0
7	14.5	12.0	13.5	22.5	17.0	20.0	22.5	18.0	20.0	23.5	16.0	19.0
8	14.5	12.0	13.0	24.0	18.0	21.0	23.0	17.5	20.0	24.5	17.0	20.0
9	16.5	12.5	14.5	23.0	20.0	21.5	25.0	17.0	20.5	25.5	18.0	21.0
10	17.5	13.5	15.5	24.0	19.5	21.5	26.5	18.0	22.0	26.0	19.5	22.0
11	18.5	14.0	16.0	22.5	17.0	19.5	26.5	19.0	22.5	21.0	16.0	19.0
12	17.5	15.5	16.5	23.0	16.5	20.0	27.5	20.5	23.5	20.0	14.0	16.5
13	16.0	14.5	15.5	23.0	17.5	20.5	29.0	21.5	24.5	21.0	13.5	17.0
14	15.0	13.0	14.0	23.5	19.0	21.0	26.5	22.0	24.0	21.5	15.0	18.0
15	13.0	12.5	13.0	24.0	20.0	22.0	26.5	22.0	24.0	20.5	18.5	19.5
16	15.0	12.0	13.5	25.0	19.5	22.0	28.5	23.0	25.0	20.0	18.0	19.0
17	16.0	12.5	14.5	26.0	19.0	22.5	28.0	23.5	25.5	21.0	17.0	18.5
18	16.5	12.5	14.5	27.0	21.5	24.0	27.5	23.0	25.0	21.0	16.5	18.5
19	18.0	13.5	15.5	25.5	22.5	23.5	27.5	21.5	24.0	20.0	16.5	18.0
20	18.5	14.0	16.5	26.0	21.0	23.5	26.0	21.0	23.0	23.0	17.5	20.0
21	19.0	15.0	17.0	24.5	20.0	22.5	26.0	19.5	22.0	21.5	19.5	20.5
22	19.5	16.0	18.0	28.0	21.5	24.5	24.0	19.0	21.5	21.0	19.5	20.0
23	20.0	17.0	18.5	26.5	22.5	24.0	26.0	21.0	23.0	20.5	17.0	19.0
24	21.5	17.5	19.5	24.0	20.5	22.5	22.0	18.5	20.0	20.5	15.5	17.5
25	21.0	17.5	19.5	23.5	20.5	22.0	23.0	18.0	20.5	19.0	15.0	16.5
26	22.0	18.5	20.0	21.0	19.0	20.0	24.0	18.5	21.0	16.0	14.5	15.5
27	21.5	18.0	20.0	22.0	18.5	20.0	24.0	19.0	21.5	15.0	14.0	14.5
28	20.5	18.0	19.5	23.0	20.0	21.0	22.0	19.0	20.5	15.5	14.0	14.5
29	22.0	17.5	20.0	27.0	21.0	23.5	19.0	16.5	18.0	15.5	12.5	14.0
30	22.5	18.0	20.5	27.0	23.0	24.5	20.0	16.0	17.5	16.0	13.0	14.5
31	---	---	---	28.0	21.5	24.5	22.5	16.5	19.0	---	---	---
MONTH	22.5	11.0	16.1	28.0	16.5	22.1	29.5	16.0	22.4	26.0	12.5	18.4

01420980 EAST BRANCH DELAWARE RIVER ABOVE READ CREEK AT FISHS EDDY, NY

LOCATION.--Lat 41°58'34", long 75°10'16", Delaware County, Hydrologic Unit 02040102, on left bank 450 ft upstream from Read Creek, 0.87 mi upstream from bridge on County Highway 28, at Fishs Eddy, 3.9 mi downstream from Beaver Kill, and 11.3 mi upstream from the confluence of East and West Branches near Hancock. Water-quality sampling site at discharge station.
DRAINAGE AREA.--766 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1912 to current year. Prior to October 2001, published as East Branch Delaware River at Fishs Eddy (01421000).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 955.96 ft above NGVD of 1929. Prior to Sept. 27, 1928, nonrecording gage, Sept. 26, 1928 to Nov. 1, 1967, water-stage recorder at site 0.87 mi downstream at datum 5.0 ft lower, and Nov. 2, 1967 to Sept. 30, 2001, water-stage recorder 0.30 mi downstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to September 1954, entire flow from 371 mi^2 of drainage area controlled by Pepacton Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to construction of Pepacton Reservoir, 53,300 ft^3/s, Aug. 24, 1933, gage height, 20.60 ft, at former site and datum, from rating curve extended above 22,000 ft^3/s; maximum discharge since construction of Pepacton Reservoir, 53,000 ft^3/s, Jan. 19, 1996, gage height, 16.88 ft, at former site, from floodmark in gage well, outside gage height was about 17.7 ft, from floodmarks; minimum daily discharge prior to construction of Pepacton Reservoir, 68 ft^3/s, Aug. 28, 1949, minimum instantaneous discharge not determined; minimum discharge since construction of Pepacton Reservoir, 52 ft^3/s, July 23, 1964, gage height, 1.16 ft, at former site and datum.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 9, 1903, reached a stage of 23.6 ft, at former site and datum, from description obtained in April 1939, from local residents who had experienced the flood (discharge, about 70,000 ft^3/s, from rating curve extended above 22,000 ft^3/s).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,610 ft^3/s, June 7, gage height, 12.08 ft; minimum, 112 ft^3/s, Sept. 13, 14, gage height, 7.43 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	487	1380	e340	2030	e610	2390	2120	3050	446	209	173
2	224	484	894	e330	2330	e580	1980	2190	1940	427	226	162
3	204	484	666	e330	1720	910	1690	2440	1480	404	212	157
4	193	482	573	e320	1470	1140	1510	1890	1200	383	194	208
5	182	486	521	e330	1190	e820	1280	1600	1360	346	194	190
6	178	647	479	e340	1050	e800	1130	1390	2570	313	199	156
7	171	663	572	298	914	782	996	1240	6290	298	174	140
8	166	663	471	358	829	734	909	1100	3750	284	163	155
9	164	657	428	349	744	707	857	1050	2540	283	159	176
10	158	746	601	352	711	1040	875	1010	1890	289	155	179
11	158	742	432	334	2770	980	768	847	1490	262	154	175
12	153	739	372	323	2100	872	694	855	1310	248	169	139
13	149	737	381	314	1690	830	677	2020	1260	239	200	117
14	147	732	497	289	e1200	829	1000	3880	1190	232	203	116
15	180	732	817	275	e1100	819	1940	2990	1450	226	226	124
16	205	731	714	270	1050	881	1730	2220	1700	226	208	187
17	200	725	696	260	956	894	1470	1850	1430	234	177	208
18	186	722	1810	e240	833	819	1290	2740	1180	233	164	164
19	173	719	1740	e180	736	785	1150	2730	1080	236	150	145
20	164	726	1350	e210	706	810	1060	2130	958	264	150	134
21	160	722	1150	e240	901	833	960	1810	841	230	147	129
22	157	714	955	e280	1070	867	874	1540	755	217	154	248
23	162	708	831	e280	913	772	818	1330	754	232	159	287
24	236	708	867	301	e800	737	730	1160	810	239	179	203
25	277	742	832	552	e740	729	742	1030	658	210	176	166
26	240	871	712	628	732	782	1040	911	616	203	163	155
27	223	712	e580	590	782	3160	823	979	668	207	152	258
28	212	729	e540	574	720	2540	1210	3560	582	216	146	1030
29	203	671	e470	615	---	2170	3230	2380	503	211	180	546
30	433	691	e430	1430	---	2470	2460	1650	461	202	269	361
31	485	---	e380	2270	---	2540	---	1830	---	192	204	---
TOTAL	6401	20372	23141	13802	32787	34242	38283	56472	45766	8232	5615	6588
MEAN	206	679	746	445	1171	1105	1276	1822	1526	266	181	220
MAX	485	871	1810	2270	2770	3160	3230	3880	6290	446	269	1030
MIN	147	482	372	180	706	580	677	847	461	192	146	116

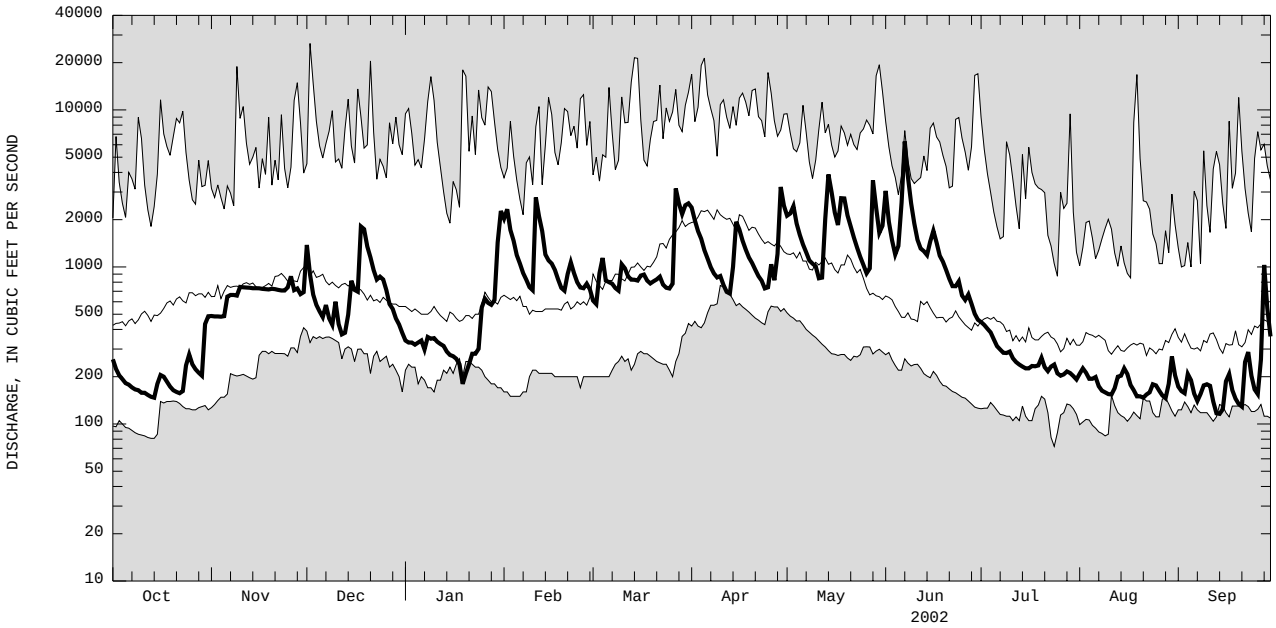
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2002, BY WATER YEAR (WY)

MEAN	869	1415	1470	1317	1232	2364	3128	1727	968	708	544	611
MAX	3703	4606	5017	4812	4328	7979	10460	4357	4047	2977	2702	3184
(WY)	1928	1928	1997	1913	1915	1936	1914	1943	1917	1945	1933	1938
MIN	145	242	369	266	213	578	808	432	229	148	113	125
(WY)	1931	1915	1915	1931	1980	1970	1985	1987	1977	1936	1954	1948

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1913 - 2002	
ANNUAL TOTAL	251022		291701			
ANNUAL MEAN	688		799		1357	
HIGHEST ANNUAL MEAN					2735	1928
LOWEST ANNUAL MEAN					604	1965
HIGHEST DAILY MEAN	10800	Apr 10	6290	Jun 7	38600	Mar 18 1936
LOWEST DAILY MEAN	128	Sep 10	116	Sep 14	68	Aug 28 1949
ANNUAL SEVEN-DAY MINIMUM	136	Sep 7	147	Sep 9	77	Aug 22 1949
10 PERCENT EXCEEDS	1330		1840		3070	
50 PERCENT EXCEEDS	430		663		732	
90 PERCENT EXCEEDS	165		164		231	

e Estimated

01420980 EAST BRANCH DELAWARE RIVER ABOVE READ CREEK AT FISHS EDDY, NY--Continued



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.

01420980 EAST BRANCH DELAWARE RIVER ABOVE READ CREEK AT FISHS EDDY, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Water year 2002.
INSTRUMENTATION.--Water-temperature satellite and telephone telemeter provides 15-minute-interval readings.
REMARKS.--Interruptions of record were due to malfunction of recording instrument.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 28.5°C, Aug. 1; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.5	11.5	13.5	8.0	5.0	6.5	9.5	8.5	9.0	0.0	0.0	0.0
2	16.5	12.5	14.5	9.0	6.5	8.0	8.5	6.5	8.0	0.0	0.0	0.0
3	17.5	13.5	15.5	11.0	9.0	9.5	7.0	5.0	6.0	0.0	0.0	0.0
4	18.0	15.0	16.5	9.5	8.0	8.5	5.5	4.0	5.0	0.0	0.0	0.0
5	18.0	15.5	16.5	8.0	5.5	7.0	7.0	5.5	6.0	0.5	0.0	0.0
6	16.5	13.0	15.0	6.5	5.0	5.5	7.5	6.5	7.0	0.5	0.0	0.0
7	13.0	10.0	11.5	6.0	5.0	5.5	7.5	6.0	7.0	0.0	0.0	0.0
8	10.0	8.0	9.0	6.0	5.0	5.5	6.0	3.0	4.5	0.0	0.0	0.0
9	10.0	7.0	8.5	6.0	4.5	5.5	3.5	2.5	3.0	0.0	0.0	0.0
10	12.0	8.5	10.0	5.5	4.0	4.5	3.5	2.5	3.0	0.0	0.0	0.0
11	13.5	9.5	11.5	6.0	4.5	5.5	4.0	3.0	3.5	0.0	0.0	0.0
12	14.5	11.5	13.0	5.0	4.0	4.0	4.0	2.5	3.5	0.5	0.0	0.0
13	16.5	13.5	15.0	5.0	3.0	4.0	5.0	3.5	4.0	0.0	0.0	0.0
14	16.0	14.5	15.0	5.5	4.0	4.5	6.0	5.0	5.0	0.5	0.0	0.0
15	16.0	13.5	14.5	---	5.5	---	6.0	3.5	5.0	0.0	0.0	0.0
16	14.0	11.5	12.5	8.0	6.5	7.0	3.5	2.5	3.0	0.5	0.0	0.0
17	12.5	9.5	11.0	6.5	5.0	6.0	3.5	3.0	3.0	0.5	0.0	0.0
18	10.0	7.5	9.0	6.0	4.5	5.0	4.0	3.5	4.0	0.0	0.0	0.0
19	9.5	7.0	8.5	6.5	5.0	5.5	4.5	4.0	4.0	0.0	0.0	0.0
20	11.0	8.5	9.5	6.5	4.5	6.0	4.0	3.0	3.5	0.0	0.0	0.0
21	12.0	8.0	10.0	5.0	3.5	4.5	3.0	2.0	2.5	0.0	0.0	0.0
22	12.0	11.0	11.5	5.5	4.0	4.5	2.0	1.5	1.5	0.0	0.0	0.0
23	12.5	10.0	11.0	6.0	4.5	5.0	2.0	0.5	1.0	0.0	0.0	0.0
24	14.5	12.5	13.5	7.5	5.5	6.5	3.0	2.0	2.5	0.0	0.0	0.0
25	14.5	12.0	13.5	9.0	7.5	8.5	2.5	1.5	1.5	0.5	0.0	0.0
26	12.0	8.5	10.0	8.5	8.0	8.0	1.5	0.0	0.5	0.5	0.0	0.0
27	8.5	7.0	8.0	8.0	7.5	7.5	0.0	0.0	0.0	0.5	0.0	0.0
28	7.5	6.0	7.0	8.5	7.5	8.0	0.0	0.0	0.0	0.5	0.0	0.0
29	7.5	4.5	6.0	8.0	7.0	7.5	0.0	0.0	0.0	0.5	0.0	0.5
30	8.5	6.0	7.0	9.0	7.0	8.0	0.0	0.0	0.0	2.5	0.5	1.5
31	6.0	5.0	5.5	---	---	---	0.0	0.0	0.0	2.5	2.0	2.5
MONTH	18.0	4.5	11.4	---	3.0	---	9.5	0.0	3.4	2.5	0.0	0.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	2.0	2.5	2.5	0.0	1.5	7.5	6.0	7.0	10.5	6.0	8.5
2	2.5	0.5	1.5	2.5	0.5	1.5	6.0	4.5	5.5	9.5	8.0	8.5
3	1.5	0.0	1.0	5.0	2.5	4.0	6.5	5.5	6.0	9.0	7.5	8.0
4	2.0	0.5	1.5	4.5	0.5	3.0	5.5	4.0	5.0	11.5	6.5	9.0
5	0.5	0.0	0.0	1.0	0.0	0.5	4.5	3.0	3.5	13.5	9.0	11.0
6	1.0	0.0	0.5	4.0	0.0	2.0	5.0	2.5	3.5	14.0	10.0	12.0
7	2.5	0.0	1.0	4.5	2.0	3.5	6.0	1.5	4.0	14.5	12.5	13.5
8	3.5	1.5	2.0	7.0	3.0	5.0	6.0	4.5	5.5	15.5	12.5	14.0
9	4.5	2.0	3.0	8.5	6.0	7.0	9.0	5.5	7.5	14.0	10.5	12.0
10	3.0	2.0	2.5	8.5	3.0	6.0	11.5	7.5	9.5	15.0	10.0	12.5
11	3.0	0.5	2.0	3.0	0.5	2.0	12.5	7.5	10.0	15.0	10.5	13.0
12	1.5	0.0	1.0	2.5	1.0	2.0	11.5	8.0	10.0	13.0	10.5	11.5
13	2.0	0.0	1.0	3.0	2.0	2.5	11.5	10.0	10.5	10.5	9.5	10.0
14	1.0	0.0	0.5	7.5	3.0	5.0	14.5	10.0	12.5	9.5	8.5	9.0
15	1.5	0.0	1.0	7.5	5.5	6.5	15.0	12.5	14.0	11.0	7.5	9.5
16	3.5	1.5	2.5	7.5	5.0	7.0	16.5	12.5	14.5	12.5	8.5	11.0
17	4.0	2.5	3.0	5.0	3.5	4.5	18.0	13.5	15.5	13.5	11.5	12.5
18	3.0	0.5	1.5	4.5	3.0	3.5	19.0	15.0	17.0	12.0	8.5	10.0
19	3.0	0.0	1.5	4.0	2.5	3.0	18.0	15.0	16.5	9.0	7.0	8.0
20	4.5	2.5	3.0	3.5	2.0	2.5	16.0	12.0	14.0	9.5	7.0	8.5
21	6.0	4.0	5.0	5.5	2.0	3.5	12.0	9.5	11.0	9.5	7.0	8.0
22	5.5	3.0	4.5	3.5	1.0	2.0	9.5	7.0	8.5	12.5	7.5	10.0
23	4.5	2.0	3.0	4.0	0.0	2.0	8.5	6.0	7.0	15.0	9.5	12.0
24	4.0	1.0	2.5	5.5	2.0	4.0	11.5	5.5	8.5	15.0	11.5	13.0
25	4.5	2.0	3.5	5.5	3.5	4.5	10.0	6.5	8.0	16.5	11.5	14.0
26	6.0	2.5	4.5	4.0	2.0	3.0	8.5	5.5	7.0	15.5	13.5	14.5
27	5.5	2.5	4.5	3.0	2.5	3.0	11.0	5.5	8.5	17.5	13.0	15.0
28	2.5	0.5	1.5	6.0	2.0	4.0	9.5	8.0	8.5	16.5	12.5	13.0
29	---	---	---	7.0	3.5	5.5	8.0	6.5	7.5	14.5	12.0	13.0
30	---	---	---	8.5	6.0	7.0	7.5	5.5	6.5	17.0	13.5	15.0
31	---	---	---	8.0	6.0	7.0	---	---	---	16.5	14.5	15.5
MONTH	6.0	0.0	2.2	8.5	0.0	3.8	19.0	1.5	9.1	17.5	6.0	11.5

01420980 EAST BRANCH DELAWARE RIVER ABOVE READ CREEK AT FISHS EDDY, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	13.5	15.5	25.5	21.0	23.0	28.5	23.0	25.5	20.5	18.0	19.0
2	17.0	14.0	15.0	26.5	21.5	24.0	26.0	22.5	24.5	20.5	17.5	19.0
3	16.5	12.5	14.5	28.0	23.0	25.5	28.0	22.0	24.5	23.5	18.5	21.0
4	15.0	13.0	14.5	28.0	23.5	25.5	27.0	21.0	24.0	25.0	20.5	22.5
5	16.5	14.0	15.0	25.0	21.0	23.0	26.0	22.5	24.5	22.5	19.5	21.0
6	16.0	13.5	15.0	22.5	19.0	20.5	24.0	20.0	22.0	23.0	17.0	19.5
7	15.0	12.5	13.5	24.0	18.0	21.0	23.0	18.0	20.0	23.0	17.0	20.0
8	15.0	12.5	14.0	25.5	19.0	22.0	23.0	18.0	20.0	23.5	18.0	20.5
9	17.0	13.5	15.0	23.5	21.5	22.5	24.5	18.0	21.0	24.5	18.5	21.0
10	19.0	14.5	16.5	25.5	20.0	22.5	25.0	19.0	22.0	24.5	19.5	21.5
11	20.0	15.5	17.5	24.0	18.5	21.0	26.0	20.0	23.0	21.5	16.5	19.0
12	18.5	17.0	18.0	25.0	18.0	21.0	27.0	21.0	24.0	19.0	13.5	16.0
13	17.5	16.5	17.0	24.5	19.0	22.0	27.0	22.0	24.5	19.5	14.0	16.5
14	16.5	14.0	15.0	25.5	20.5	22.5	25.0	21.0	23.0	20.0	16.0	18.0
15	14.0	13.0	13.5	26.0	21.5	23.5	24.5	20.5	22.5	20.0	19.5	19.5
16	15.5	13.0	14.0	26.5	21.0	23.5	25.5	21.0	23.0	19.5	18.5	19.0
17	17.0	14.0	15.5	26.5	20.0	23.0	26.0	22.0	24.0	21.5	17.5	19.0
18	18.5	14.0	16.0	27.5	22.0	24.5	26.5	22.0	24.0	20.5	17.5	18.5
19	20.0	15.0	17.5	25.5	23.0	24.0	26.0	21.5	23.5	17.5	17.5	---
20	21.0	16.0	18.5	26.5	21.5	24.0	25.5	22.0	23.5	22.5	18.0	20.0
21	21.5	16.5	19.0	24.5	21.0	23.0	25.0	19.5	22.0	22.0	20.5	21.0
22	21.0	18.0	19.5	27.5	22.0	24.5	23.5	20.0	22.0	21.5	19.5	---
23	21.5	18.5	20.0	25.5	23.0	24.5	24.5	21.5	23.0	20.5	17.5	18.5
24	24.0	19.0	21.0	25.5	21.0	23.5	23.0	19.0	20.5	20.0	15.5	17.5
25	23.5	19.5	21.5	24.0	21.5	22.5	23.0	18.0	20.0	18.5	15.5	17.0
26	24.0	20.5	22.0	22.0	20.0	21.0	23.0	18.5	20.5	17.0	15.5	16.0
27	24.0	20.5	22.0	22.0	19.0	20.5	23.0	19.5	21.0	---	14.5	---
28	23.0	20.0	21.5	22.5	20.0	21.0	22.0	19.5	20.5	16.0	14.5	15.5
29	24.0	18.5	21.0	26.5	20.5	23.0	20.5	17.5	18.5	17.0	13.0	15.0
30	24.5	19.5	22.0	27.0	22.5	24.5	21.0	17.0	18.5	17.5	13.5	15.5
31	---	---	---	28.0	22.0	24.5	22.0	17.5	19.5	---	---	---
MONTH	24.5	12.5	17.4	28.0	18.0	22.9	28.5	17.0	22.2	---	13.0	---

01421610 WEST BRANCH DELAWARE RIVER AT HOBART, NY

LOCATION.--Lat 42°22'17", long 74°40'10", Delaware County, Hydrologic Unit 02040101, on left bank 300 ft upstream from bridge on Maple Street, in Hobart.
DRAINAGE AREA.--15.5 mi^2.
PERIOD OF RECORD.--August 2000 to current year.
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 1,640 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 488 ft^3/s, revised, Apr. 9, 2001, gage height, 2.41 ft; minimum discharge, 0.05 ft^3/s, Nov. 13, 19, 2001; minimum gage height, 0.89 ft, Sept. 13, Nov. 13, 19, Dec. 10, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 430 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0045	*203	*1.78				

Minimum discharge, 0.05 ft^3/s, Nov. 13, 19; minimum gage height, 0.89 ft, Nov. 13, 19, Dec. 10.

REVISIONS.--Revised maximum, monthly, and yearly discharges and statistical summaries for Aug. 2000 through 2001 water year are given below. These figures supercede those published in WDR NY Vol. 1, 2001. The peak discharges previously noted on Dec. 17 and Apr. 12, 2001, are no longer considered peaks above the base discharge.

Revised peaks

August to September 2000: Maximum discharge, 158, Aug. 12, gage height, 1.65 ft.

Water year 2001: Peak discharges greater than base discharge of 430 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 9	2200	*488	*2.41	No other peak greater than base discharge.			

Revised monthly discharge

MONTH	TOTAL	MEAN	MAX	MIN	CFSM	IN.
April 2001	3053	102	346	21	6.57	7.33

Statistics of monthly mean data for water year 2001

MONTH	MEAN/MAX/MIN
December	33.8
February	38.4
April	102

SUMMARY STATISTICS	FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL	7729.3			
ANNUAL MEAN	21.2		21.2	
HIGHEST ANNUAL MEAN			21.2	2001
LOWEST ANNUAL MEAN			21.2	2001
HIGHEST DAILY MEAN	346	Apr 10	346	Apr 10 2001
LOWEST DAILY MEAN	1.5	Aug 25	1.5	Aug 25 2001
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 23	1.6	Aug 23 2001
ANNUAL RUNOFF (CFSM)	1.37		1.37	
ANNUAL RUNOFF (INCHES)	18.55		18.56	
10 PERCENT EXCEEDS	41		41	
50 PERCENT EXCEEDS	9.9		9.9	
90 PERCENT EXCEEDS	1.9		1.9	

01421610 WEST BRANCH DELAWARE RIVER AT HOBART, NY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	1.2	6.6	e3.1	72	e17	65	55	23	7.6	3.0	2.2
2	6.4	1.1	3.6	e2.8	58	e17	56	55	19	7.0	3.2	2.2
3	8.5	1.8	3.1	e2.7	e48	27	56	49	17	6.0	3.4	2.6
4	6.4	1.4	3.0	e2.6	e44	22	49	44	16	5.9	2.7	19
5	4.9	2.5	2.3	e2.5	36	17	42	39	24	5.3	5.2	4.7
6	3.0	1.0	2.0	e2.6	e38	19	39	35	47	5.1	3.7	3.3
7	2.6	0.90	2.5	e2.6	32	19	34	35	47	4.8	2.9	2.8
8	2.4	0.62	2.2	e2.7	29	18	32	31	28	4.9	2.2	2.8
9	2.6	1.4	2.5	e2.9	27	18	34	32	27	7.2	2.3	2.9
10	2.9	0.40	2.5	e2.9	32	22	38	31	26	6.4	1.7	3.6
11	3.7	0.22	3.3	e3.0	89	18	29	24	23	5.0	1.8	2.7
12	4.9	0.12	2.4	e2.9	47	18	27	32	26	4.4	1.8	2.6
13	3.1	0.10	2.9	e2.8	40	18	28	61	23	3.9	1.9	2.8
14	3.1	0.16	3.6	e2.8	36	18	32	75	25	4.0	1.8	3.4
15	6.9	0.10	6.2	e2.8	e37	16	55	64	24	3.8	1.5	2.9
16	5.7	0.13	4.5	e2.8	e33	19	37	55	32	3.3	2.7	5.1
17	9.0	0.11	5.0	e2.9	e29	16	35	59	24	3.2	5.1	3.9
18	9.3	0.09	13	e2.9	e27	16	43	91	20	2.9	2.7	3.6
19	1.5	0.09	8.8	e2.9	e25	18	37	75	17	6.0	2.8	3.7
20	0.54	0.16	7.3	e3.0	e26	19	35	65	15	4.6	2.3	3.8
21	0.62	0.14	6.9	e3.2	30	23	32	61	14	3.5	2.0	4.4
22	0.56	0.13	4.9	e3.2	28	21	31	54	14	2.8	1.8	22
23	0.68	0.21	e4.8	e3.3	24	19	30	47	16	6.7	2.1	11
24	1.3	0.24	e5.8	e5.0	22	20	27	44	12	4.7	4.6	5.4
25	1.1	0.60	e5.0	e16	22	19	32	41	11	3.4	4.3	4.7
26	0.64	0.85	4.4	e13	21	50	34	35	11	2.9	2.3	4.6
27	0.75	0.23	e4.2	e12	23	121	28	33	16	3.1	2.5	12
28	0.78	0.19	e4.0	e13	e19	73	43	31	12	3.3	1.8	11
29	0.80	4.7	e3.8	e18	---	71	56	28	8.9	3.2	4.8	6.4
30	1.0	5.9	e3.5	41	---	72	56	27	7.4	3.0	4.4	5.6
31	1.0	---	e3.4	33	---	64	---	26	---	2.8	2.8	---
TOTAL	101.57	26.79	138.0	216.9	994	925	1172	1434	625.3	140.7	88.1	167.7
MEAN	3.28	0.89	4.45	7.00	35.5	29.8	39.1	46.3	20.8	4.54	2.84	5.59
MAX	9.3	5.9	13	41	89	121	65	91	47	7.6	5.2	22
MIN	0.54	0.09	2.0	2.5	19	16	27	24	7.4	2.8	1.5	2.2
CFSM	0.21	0.06	0.29	0.45	2.29	1.93	2.52	2.98	1.34	0.29	0.18	0.36
IN.	0.24	0.06	0.33	0.52	2.39	2.22	2.81	3.44	1.50	0.34	0.21	0.40

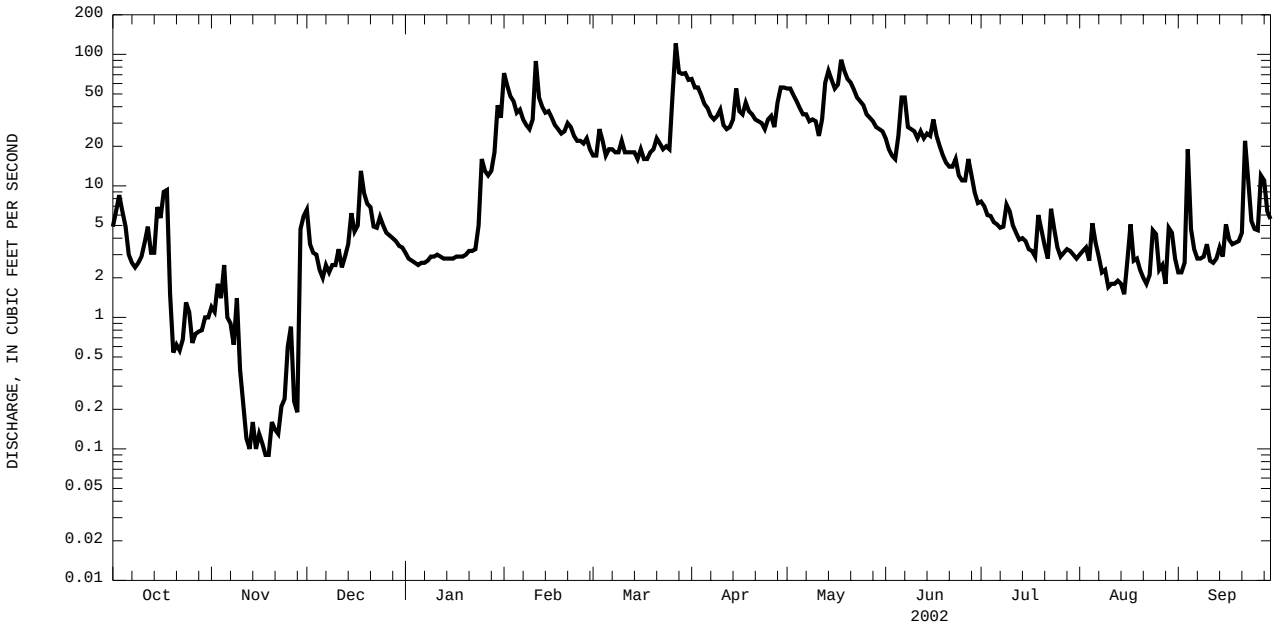
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

MEAN	6.50	6.13	19.1	9.93	36.9	26.6	70.4	28.4	13.8	3.96	2.59	5.97
MAX	9.72	11.4	33.8	12.9	38.4	29.8	102	46.3	20.8	4.54	2.84	9.45
(WY)	2001	2001	2001	2001	2001	2002	2001	2002	2002	2002	2002	2000
MIN	3.28	0.89	4.45	7.00	35.5	23.3	39.1	10.5	6.78	3.38	2.35	2.86
(WY)	2002	2002	2002	2002	2002	2001	2002	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2000 - 2002		
ANNUAL TOTAL	6306.76		6030.06				
ANNUAL MEAN	17.3		16.5		18.8		
HIGHEST ANNUAL MEAN					21.2		2001
LOWEST ANNUAL MEAN					16.5		2002
HIGHEST DAILY MEAN	346	Apr 10	121	Mar 27	346	Apr 10	2001
LOWEST DAILY MEAN	0.09	Nov 18	0.09	Nov 18	0.09	Nov 18	2001
ANNUAL SEVEN-DAY MINIMUM	0.11	Nov 13	0.11	Nov 13	0.11	Nov 13	2001
ANNUAL RUNOFF (CFSM)	1.11		1.07		1.22		
ANNUAL RUNOFF (INCHES)	15.14		14.47		16.52		
10 PERCENT EXCEEDS	32		44		43		
50 PERCENT EXCEEDS	5.6		5.9		9.2		
90 PERCENT EXCEEDS	1.4		1.4		1.8		

e Estimated

01421610 WEST BRANCH DELAWARE RIVER AT HOBART, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01421614 TOWN BROOK TRIBUTARY SOUTHEAST OF HOBART, NY

LOCATION.--Lat 42°20'58", long 74°36'41", Delaware County, Hydrologic Unit 02040101, on left bank 0.3 mi upstream from mouth, and 3.3 mi southeast of Hobart.
DRAINAGE AREA.--0.76 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Supplementary water-stage recorder about 15 ft upstream used for low-flow periods (flows less than about 5 ft^3/s). Elevation of gage is 1,900 ft above NGVD of 1929, from topographic map.
REMARKS.--Records poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 268 ft^3/s, July 4, 1999, gage height, 3.24 ft, from rating curve extended above 22 ft^3/s on basis of flow-over-dam measurement of peak flow; minimum discharge, 0.03 ft^3/s, Sept. 12, 13, 19, 2001, Sept. 10, 12, 13, 14, 19, 20, 21, 2002; minimum gage height not determined.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 26	2230	*14	*2.11				

Minimum discharge, 0.03 ft^3/s, Sept. 10, 12, 13, 14, 19, 20, 21; minimum gage height not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.05	0.08	0.54	e0.30	e6.4	1.2	6.5	4.6	0.91	0.35	0.12	0.06
2	0.05	0.07	0.48	e0.28	e5.8	1.2	5.3	4.2	0.80	0.34	0.17	0.06
3	0.05	0.08	0.51	e0.26	e4.5	1.5	4.7	3.4	0.69	0.31	0.12	0.06
4	0.05	0.07	0.50	e0.25	e3.5	1.4	3.7	2.8	0.66	0.30	0.10	0.10
5	0.05	0.07	0.46	e0.25	e2.8	1.4	3.0	2.4	0.78	0.27	0.20	0.06
6	0.07	0.07	0.42	e0.26	e2.4	1.6	2.5	2.1	1.3	0.27	0.11	0.05
7	0.04	0.07	0.38	e0.28	e2.0	1.5	2.1	1.8	3.0	0.23	0.09	0.05
8	0.04	0.07	0.34	e0.27	e1.7	1.3	1.8	1.5	3.5	0.22	0.09	0.05
9	0.04	0.07	0.32	e0.26	e1.4	1.3	2.0	1.4	3.1	0.28	0.09	0.04
10	0.04	0.07	0.29	e0.26	2.6	2.0	1.9	1.2	2.4	0.23	0.08	0.04
11	0.04	0.07	0.29	e0.29	e4.0	2.0	1.8	0.95	1.9	0.19	0.08	0.04
12	0.07	0.07	0.27	e0.27	e3.0	1.9	1.8	1.2	1.6	0.18	0.08	0.04
13	0.07	0.07	0.36	e0.26	e2.7	1.8	2.1	2.5	1.3	0.16	0.08	0.03
14	0.05	0.07	0.38	e0.25	e2.5	1.6	2.4	4.9	1.3	0.16	0.07	0.03
15	0.13	0.07	0.40	e0.24	2.3	1.3	4.6	5.4	1.2	0.16	0.07	0.05
16	0.07	0.08	0.34	e0.24	2.1	1.4	5.4	4.5	1.2	0.15	0.15	0.07
17	0.12	0.07	0.47	e0.25	1.8	1.4	4.8	3.9	1.0	0.14	0.10	0.05
18	0.09	0.07	1.2	e0.25	1.3	1.4	3.9	4.2	0.93	0.14	0.08	0.04
19	0.08	0.07	1.1	e0.24	1.2	1.3	3.0	3.3	0.89	0.49	0.07	0.04
20	0.08	0.09	1.3	e0.23	1.3	1.3	2.4	3.1	0.85	0.21	0.09	0.04
21	0.08	0.08	1.2	e0.23	1.4	1.1	2.0	3.1	0.78	0.16	0.06	0.13
22	0.08	0.08	0.99	0.24	1.4	0.94	1.7	2.9	0.72	0.15	0.07	0.37
23	0.08	0.08	0.92	0.30	1.4	0.88	1.4	2.6	0.71	0.27	0.08	0.09
24	0.11	0.08	1.1	0.91	1.3	0.85	1.1	2.4	0.63	0.17	0.15	0.06
25	0.10	0.14	0.77	1.0	1.3	0.79	1.4	2.0	0.63	0.15	0.09	0.05
26	0.09	0.18	0.64	0.95	1.3	3.0	1.3	1.5	0.60	0.15	0.07	0.05
27	0.09	0.12	0.57	1.0	1.3	6.8	1.0	1.4	0.59	0.15	0.07	0.29
28	0.09	0.13	e0.52	1.2	1.3	5.6	2.3	1.3	0.53	0.17	0.06	0.21
29	0.09	0.15	e0.47	1.9	---	5.3	4.1	1.1	0.45	0.15	0.17	0.08
30	0.09	0.37	e0.40	e3.8	---	6.9	5.2	1.2	0.38	0.14	0.08	0.07
31	0.09	---	e0.35	e4.2	---	6.7	---	1.1	---	0.12	0.07	---
TOTAL	2.27	2.86	18.28	20.92	66.0	68.66	87.2	79.95	35.33	6.56	3.01	2.40
MEAN	0.073	0.095	0.59	0.67	2.36	2.21	2.91	2.58	1.18	0.21	0.097	0.080
MAX	0.13	0.37	1.3	4.2	6.4	6.9	6.5	5.4	3.5	0.49	0.20	0.37
MIN	0.04	0.07	0.27	0.23	1.2	0.79	1.0	0.95	0.38	0.12	0.06	0.03
CFSM	0.10	0.13	0.78	0.89	3.10	2.91	3.82	3.39	1.55	0.28	0.13	0.11
IN.	0.11	0.14	0.89	1.02	3.23	3.36	4.27	3.91	1.73	0.32	0.15	0.12

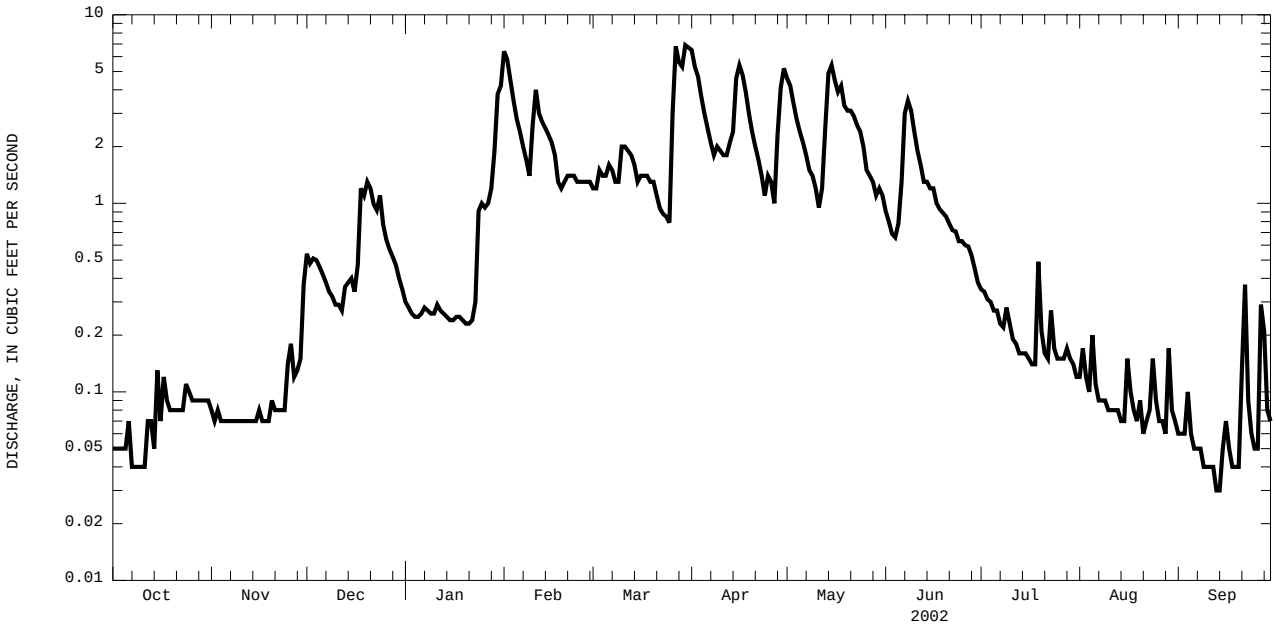
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	0.56	0.80	1.22	1.25	1.83	2.22	4.12	2.08	1.39	0.75	0.30	0.61
MAX	1.40	1.87	2.20	2.76	2.36	4.48	6.36	3.38	3.04	2.03	0.91	1.79
(WY)	2000	2000	2001	1999	2002	2000	2001	2000	2000	1999	2000	1999
MIN	0.073	0.095	0.46	0.45	1.03	0.64	2.61	0.56	0.61	0.21	0.073	0.073
(WY)	2002	2002	1999	2001	2001	2001	1999	2001	1999	2002	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002		
ANNUAL TOTAL	328.31		393.44				
ANNUAL MEAN	0.90		1.08		1.42		
HIGHEST ANNUAL MEAN					2.13		2000
LOWEST ANNUAL MEAN					1.08		2002
HIGHEST DAILY MEAN	28	Apr 13	6.9	Mar 30	28	Apr 13	2001
LOWEST DAILY MEAN	0.04	Sep 12	0.03	Sep 13	0.03	Sep 13	2002
ANNUAL SEVEN-DAY MINIMUM	0.05	Oct 5	0.04	Sep 8	0.04	Sep 8	2002
ANNUAL RUNOFF (CFSM)	1.18		1.42		1.87		
ANNUAL RUNOFF (INCHES)	16.07		19.26		25.40		
10 PERCENT EXCEEDS	1.2		3.0		3.8		
50 PERCENT EXCEEDS	0.38		0.37		0.70		
90 PERCENT EXCEEDS	0.06		0.07		0.09		

e Estimated

01421614 TOWN BROOK TRIBUTARY SOUTHEAST OF HOBART, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01421618 TOWN BROOK SOUTHEAST OF HOBART, NY

LOCATION.--Lat 42°21'40", long 74°39'45", Delaware County, Hydrologic Unit 02040101, on left bank 10 ft downstream from bridge on Clove Road, 0.9 mi southeast of Hobart, and 1.4 mi upstream from mouth.
DRAINAGE AREA.--14.3 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,670 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,400 ft^3/s, July 4, 1999, gage height, 7.54 ft, from rating curve extended above 400 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; minimum discharge, 0.30 ft^3/s, Nov. 3, 4, 2001, Sept. 14, 2002; minimum gage height, 0.18 ft, Sept. 5, 1999.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 3,100 ft^3/s, Jan. 19, 1996, gage height, 7.42 ft, from floodmark, from rating curve extended as explained above.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 26	2345	*673	*3.70	No other peak greater than base discharge.			

Minimum discharge, 0.30 ft^3/s, Nov. 3, 4, Sept. 14; minimum gage height, 0.91 ft, Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.95	0.81	12	e4.0	181	25	87	73	19	4.7	0.97	0.86
2	0.69	0.79	3.8	e3.6	113	20	63	70	16	4.1	1.3	0.72
3	0.63	0.71	2.7	e3.5	96	29	69	56	13	3.4	1.9	0.64
4	0.60	0.50	2.3	e3.6	68	21	50	42	12	3.0	1.1	3.9
5	0.58	1.0	2.0	e3.7	53	34	38	35	24	2.7	2.9	1.4
6	0.68	1.2	1.8	e3.6	e44	23	33	29	81	2.6	2.1	0.93
7	0.96	1.2	1.6	e3.6	e37	20	29	27	126	2.3	1.3	0.74
8	0.83	1.0	1.4	e3.5	33	17	24	23	57	2.1	1.0	0.61
9	e0.74	0.99	1.6	e3.6	27	16	37	23	47	3.6	0.89	0.55
10	e0.70	1.0	1.4	e3.7	54	27	43	25	35	3.7	0.77	0.51
11	e0.66	0.97	1.4	e3.7	151	31	24	17	27	2.2	0.68	0.48
12	e0.64	0.96	1.5	e3.6	77	20	22	30	28	1.9	0.59	0.46
13	e0.62	0.93	2.1	e3.6	47	19	27	102	22	1.6	0.52	0.43
14	e0.64	0.92	2.5	e3.7	e43	18	36	114	25	1.5	0.50	0.40
15	e0.90	0.89	4.8	e3.8	e37	16	99	87	23	1.4	0.46	0.47
16	2.0	0.91	2.7	e4.3	32	20	54	66	40	1.3	0.64	0.74
17	3.0	0.91	5.4	e4.0	28	16	48	69	23	1.1	1.5	0.80
18	3.8	0.86	26	e4.4	e26	17	43	133	18	0.99	0.84	0.66
19	1.7	0.84	14	e4.1	e23	19	36	99	14	23	0.64	0.57
20	1.1	1.3	13	e4.0	22	20	32	69	12	6.8	0.70	0.51
21	0.95	1.3	11	e4.0	28	23	27	59	11	2.9	0.63	0.83
22	0.90	1.2	e10	e4.2	24	26	25	51	10	2.1	0.56	17
23	0.86	1.1	e11	e6.0	21	29	23	43	11	4.0	0.64	4.7
24	1.1	1.0	e12	e30	e20	22	19	39	8.8	3.2	1.3	2.3
25	1.1	1.3	e10	e60	18	21	35	32	8.5	2.0	2.0	1.6
26	0.95	3.6	e8.0	e30	18	129	33	26	10	1.7	1.0	1.3
27	0.92	1.8	e7.0	e27	20	212	22	24	11	1.7	0.74	7.9
28	0.90	1.3	e6.0	31	20	111	72	26	8.5	1.8	0.61	11
29	0.84	1.5	e5.0	59	---	97	85	21	6.1	2.0	1.9	4.1
30	0.80	3.6	e4.6	117	---	93	88	42	5.0	1.5	2.1	2.7
31	0.81	---	e4.3	86	---	84	---	28	---	1.2	1.1	---
TOTAL	32.55	36.39	192.9	529.8	1361	1275	1323	1580	751.9	98.09	33.88	69.81
MEAN	1.05	1.21	6.22	17.1	48.6	41.1	44.1	51.0	25.1	3.16	1.09	2.33
MAX	3.8	3.6	26	117	181	212	99	133	126	23	2.9	17
MIN	0.58	0.50	1.4	3.5	18	16	19	17	5.0	0.99	0.46	0.40
CFSM	0.07	0.08	0.44	1.20	3.40	2.88	3.08	3.56	1.75	0.22	0.08	0.16
IN.	0.08	0.09	0.50	1.38	3.54	3.32	3.44	4.11	1.96	0.26	0.09	0.18

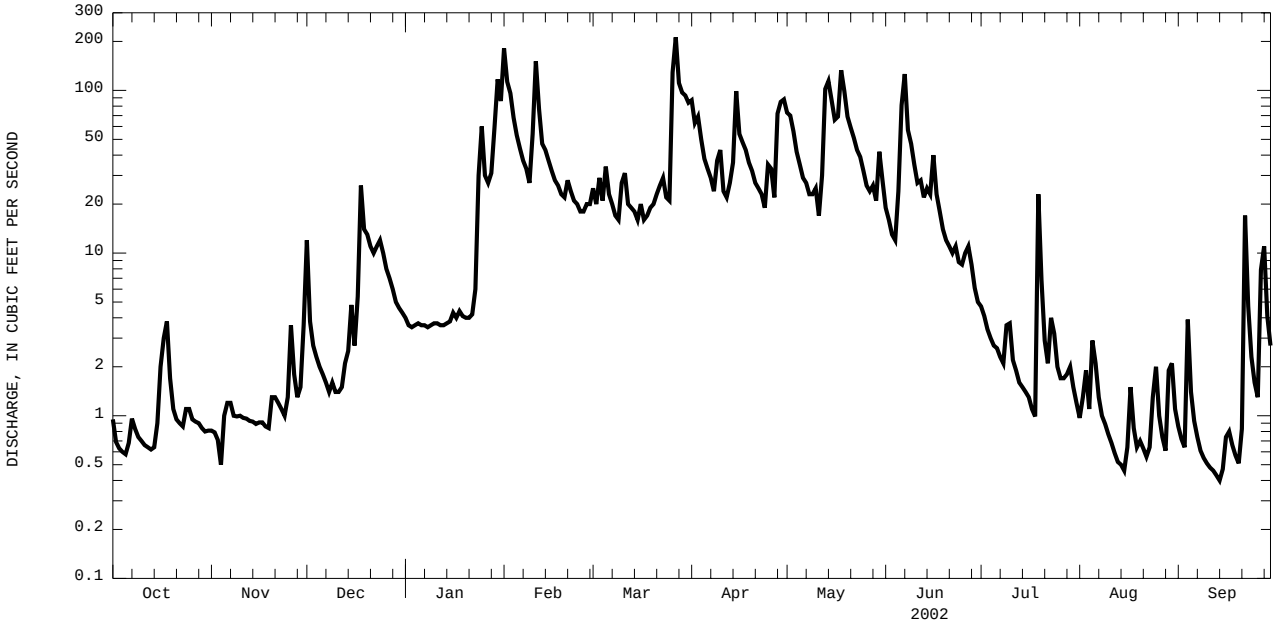
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	6.41	15.1	22.2	40.7	36.4	49.9	61.3	32.6	25.7	13.4	4.24	11.8
MAX	18.2	33.3	54.0	88.2	48.6	75.9	105	51.0	51.2	33.8	14.1	47.7
(WY)	2000	1998	2001	1998	2002	1998	2001	2002	2000	1999	2000	1999
MIN	1.05	1.21	5.20	17.1	18.4	23.0	32.0	6.32	4.27	2.85	1.09	1.33
(WY)	2002	2002	1999	2002	1998	2001	1999	2001	1999	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	6339.03		7284.32			
ANNUAL MEAN	17.4		20.0		26.6	
HIGHEST ANNUAL MEAN					34.0	2000
LOWEST ANNUAL MEAN					20.0	2002
HIGHEST DAILY MEAN	362	Apr 10	212	Mar 27	534	Jul 4 1999
LOWEST DAILY MEAN	0.45	Sep 19	0.40	Sep 14	0.40	Sep 14 2002
ANNUAL SEVEN-DAY MINIMUM	0.58	Sep 6	0.47	Sep 9	0.47	Sep 9 2002
ANNUAL RUNOFF (CFSM)	1.21		1.40		1.86	
ANNUAL RUNOFF (INCHES)	16.49		18.95		25.23	
10 PERCENT EXCEEDS	29		58		62	
50 PERCENT EXCEEDS	4.3		4.4		12	
90 PERCENT EXCEEDS	0.75		0.72		1.2	

e Estimated

01421618 TOWN BROOK SOUTHEAST OF HOBART, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01421900 WEST BRANCH DELAWARE RIVER UPSTREAM FROM DELHI, NY

LOCATION.--Lat 42°16'49", long 74°54'27", Delaware County, Hydrologic Unit 02040101, on left bank along County Highway 18, 0.6 mi upstream from State Route 28 bridge, and 1.9 mi upstream from Little Delaware River.
DRAINAGE AREA.--134 mi^2.
PERIOD OF RECORD.--February 1937 to September 1970, December 1996 to current year. Water years 1972-74, 1996 (annual maximum only), November 1996 (maximum only). Prior to November 1996, published as West Branch Delaware River at Delhi (01422000).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,360 ft above NGVD of 1929, from topographic map. Prior to October 1996, at site 0.9 mi downstream at datum 1,345.29 ft above NGVD of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 13,000 ft^3/s, Jan. 19, 1996, gage height, 9.8 ft, from floodmark, from rating curve extended above 4,500 ft^3/s on basis of velocity-area studies, at site and datum then in use; minimum discharge, 2.6 ft^3/s, Sept. 25, 1964; minimum gage height recorded since December 1996, 1.75 ft, Sept. 11, 12, 13, Nov. 19, 2001, but may have been less during period of estimated record Sept. 21-24, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0815	*2,640	*6.87	No other peak greater than base discharge.			

Minimum discharge, 9.6 ft^3/s, Sept. 14, 15; minimum gage height, 1.75 ft, Nov. 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	13	67	e45	1090	164	655	633	240	99	28	18
2	20	12	50	e44	999	155	532	560	190	92	26	16
3	18	12	38	e41	651	227	503	498	162	82	33	14
4	16	13	33	e39	546	226	469	401	142	74	29	35
5	15	13	30	e36	416	163	364	347	177	68	31	36
6	15	12	27	e34	358	175	332	303	515	64	33	22
7	14	12	25	e35	308	177	284	293	755	59	27	18
8	14	12	24	e38	279	167	262	260	425	53	24	16
9	14	12	24	e40	239	158	254	251	360	55	21	14
10	13	12	23	42	225	212	369	281	304	74	20	13
11	13	13	23	45	1090	177	252	208	253	56	20	12
12	13	13	23	43	e470	173	222	236	259	49	18	11
13	12	12	24	42	e400	174	225	632	240	46	18	10
14	12	12	27	40	e330	172	300	1110	225	43	16	10
15	15	12	43	40	e300	155	572	859	286	40	16	10
16	14	12	43	40	e270	171	408	646	396	38	17	13
17	17	11	42	39	e250	159	376	634	352	36	22	12
18	19	11	134	e34	253	152	428	992	244	35	23	12
19	21	11	120	e28	219	155	351	932	200	47	19	11
20	20	12	98	e32	224	176	322	713	167	99	17	11
21	18	12	89	e33	292	184	294	604	146	50	16	12
22	16	12	77	e37	272	224	268	520	133	40	15	69
23	16	12	66	e48	231	183	255	434	240	40	15	118
24	15	12	96	80	203	184	219	375	150	54	21	51
25	15	14	93	335	202	188	237	342	131	41	24	33
26	15	22	75	200	195	422	309	282	174	36	21	27
27	15	26	e56	177	211	1990	233	256	246	36	18	45
28	14	22	e50	188	187	1030	337	329	167	42	16	106
29	14	21	e48	259	---	868	687	263	129	57	18	63
30	14	26	e46	774	---	788	564	257	110	37	24	44
31	13	---	e46	642	---	661	---	310	---	32	21	---
TOTAL	482	421	1660	3550	10710	10210	10883	14761	7518	1674	667	882
MEAN	15.5	14.0	53.5	115	382	329	363	476	251	54.0	21.5	29.4
MAX	22	26	134	774	1090	1990	687	1110	755	99	33	118
MIN	12	11	23	28	187	152	219	208	110	32	15	10
CFSM	0.12	0.10	0.40	0.85	2.85	2.46	2.71	3.55	1.87	0.40	0.16	0.22
IN.	0.13	0.12	0.46	0.99	2.97	2.83	3.02	4.10	2.09	0.46	0.19	0.24

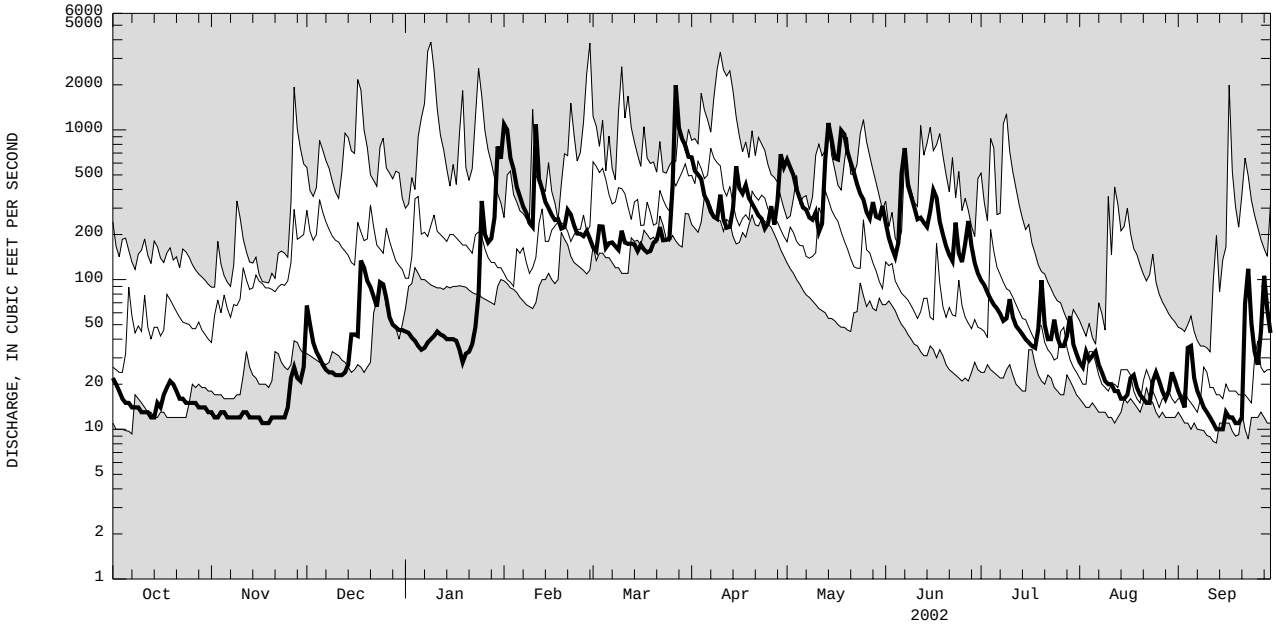
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2002, BY WATER YEAR (WY)

MEAN	86.7	214	256	257	279	470	551	279	151	77.6	58.9	78.4
MAX	492	534	536	708	583	897	1322	637	404	273	427	544
(WY)	1956	1952	1951	1998	1939	1945	1958	1943	2000	1998	1955	1938
MIN	6.14	6.83	45.0	40.9	80.9	137	146	79.2	25.8	15.5	8.52	4.03
(WY)	1965	1965	1999	1961	1940	1965	1946	2001	1964	1962	1964	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1937 - 2002	
ANNUAL TOTAL	52960.6		63920			
ANNUAL MEAN	145		175		228	
HIGHEST ANNUAL MEAN					328	1956
LOWEST ANNUAL MEAN					112	1965
HIGHEST DAILY MEAN	3300	Apr 10	1990	Mar 27	5320	Mar 31 1940
LOWEST DAILY MEAN	8.1	Sep 13	10	Sep 13	3.0	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	9.2	Sep 7	11	Sep 11	3.3	Sep 20 1964
ANNUAL RUNOFF (CFSM)	1.08		1.31		1.70	
ANNUAL RUNOFF (INCHES)	14.70		17.74		23.17	
10 PERCENT EXCEEDS	258		443		532	
50 PERCENT EXCEEDS	57		75		119	
90 PERCENT EXCEEDS	12		13		19	

e Estimated

01421900 WEST BRANCH DELAWARE RIVER UPSTREAM FROM DELHI, NY--Continued



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.

01422389 COULTER BROOK NEAR BOVINA CENTER, NY

LOCATION.--Lat 42°14'19", long 74°44'11", Delaware County, Hydrologic Unit 02040101, on right bank downstream from culvert on Seedorf Road, 2.5 mi upstream from mouth, and 2.5 mi southeast of Bovina Center.
DRAINAGE AREA.--0.76 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,000 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those below 0.5 ft^3/s and those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21 ft^3/s, Jan. 8, 1998, gage height, 1.75 ft; minimum discharge, 0.01 ft^3/s, Sept. 18, 19, 20, Oct. 1, 2, 3, 4, 5-7, 8, 1998; minimum gage height, 0.32 ft, Sept. 18, 19, 20, Oct. 6, 7, 1998.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 1	1330	*14	*1.58				

Minimum discharge, 0.03 ft^3/s, on many days during August; minimum gage height, 0.54 ft, Aug. 13, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.06	0.07	0.52	0.38	8.5	1.1	6.1	5.4	1.8	0.47	0.06	0.07
2	0.05	0.07	0.52	0.34	9.0	0.95	5.0	5.4	1.7	0.42	0.06	0.06
3	0.04	0.08	0.49	0.32	6.7	1.3	4.3	5.1	1.4	0.40	0.06	0.07
4	0.04	0.07	0.41	0.29	5.4	1.5	3.4	4.2	1.3	0.36	0.05	1.3
5	0.04	0.09	0.38	0.27	4.7	1.8	2.9	3.4	1.2	0.34	0.07	0.48
6	0.06	0.09	0.35	e0.29	e4.0	1.7	2.4	2.9	2.0	0.33	0.05	0.38
7	0.04	0.08	0.33	e0.33	e3.0	1.4	1.9	2.4	5.0	0.29	0.05	0.30
8	0.04	0.07	0.32	e0.32	3.1	1.3	1.6	2.0	5.2	0.24	0.04	0.23
9	0.04	0.08	0.31	0.32	2.1	1.3	1.5	1.9	3.9	0.25	0.04	0.19
10	0.04	0.07	0.28	0.31	2.0	4.0	1.4	1.6	2.8	0.22	0.04	0.16
11	0.04	0.06	0.23	0.29	4.7	4.2	1.3	1.4	2.3	0.20	0.03	0.15
12	0.04	0.06	0.23	0.26	3.7	3.2	1.2	1.6	2.3	0.19	0.03	0.15
13	0.04	0.05	0.32	0.23	3.2	2.7	1.4	3.7	1.9	0.16	0.03	0.13
14	0.04	0.05	0.38	0.23	2.7	2.1	1.8	8.1	1.8	0.16	0.03	0.10
15	0.19	0.05	0.50	0.22	2.2	1.7	6.6	7.1	1.8	0.14	0.03	0.16
16	0.10	0.05	0.53	0.21	1.9	1.9	7.1	5.6	2.5	0.13	0.28	0.17
17	0.22	0.05	0.82	0.22	1.6	2.1	5.5	4.4	2.8	0.12	0.13	0.12
18	0.18	0.05	3.2	0.22	1.3	1.9	4.2	5.1	3.0	0.11	0.05	0.09
19	0.14	0.05	3.3	0.26	1.1	1.7	3.3	4.7	2.5	0.13	0.04	0.07
20	0.10	0.08	2.8	0.20	1.1	1.5	2.7	4.5	2.2	0.10	0.04	0.06
21	0.09	0.06	2.1	0.18	1.5	1.3	2.1	4.4	1.9	0.10	0.03	0.12
22	0.09	0.06	1.7	0.17	1.7	1.2	1.8	3.7	1.7	0.09	0.03	0.86
23	0.09	0.06	1.4	0.19	1.8	0.94	1.5	3.3	1.8	0.14	0.03	0.63
24	0.20	0.06	1.4	0.50	1.6	0.82	1.2	3.0	1.4	0.10	0.16	0.52
25	0.16	0.19	1.1	0.85	1.3	0.69	1.4	2.4	1.2	0.08	0.10	0.47
26	0.12	0.27	0.91	0.84	1.2	1.5	1.2	2.0	0.97	0.08	0.05	0.43
27	0.12	0.20	0.79	0.82	1.3	4.7	1.1	1.8	0.81	0.12	0.04	0.88
28	0.11	0.19	0.67	0.82	1.2	4.3	2.6	2.0	0.71	0.17	0.03	1.2
29	0.09	0.27	0.58	1.1	---	4.0	5.9	1.7	0.58	0.15	0.29	1.4
30	0.09	0.41	0.52	5.0	---	5.4	6.5	1.8	0.51	0.09	0.14	1.1
31	0.08	---	0.45	6.0	---	6.4	---	1.9	---	0.07	0.09	---
TOTAL	2.78	3.09	27.84	21.98	83.6	70.60	90.9	108.5	60.98	5.95	2.20	12.05
MEAN	0.090	0.10	0.90	0.71	2.99	2.28	3.03	3.50	2.03	0.19	0.071	0.40
MAX	0.22	0.41	3.3	6.0	9.0	6.4	7.1	8.1	5.2	0.47	0.29	1.4
MIN	0.04	0.05	0.23	0.17	1.1	0.69	1.1	1.4	0.51	0.07	0.03	0.06
CFSM	0.12	0.14	1.18	0.93	3.93	3.00	3.99	4.61	2.67	0.25	0.09	0.53
IN.	0.14	0.15	1.36	1.08	4.09	3.46	4.45	5.31	2.98	0.29	0.11	0.59

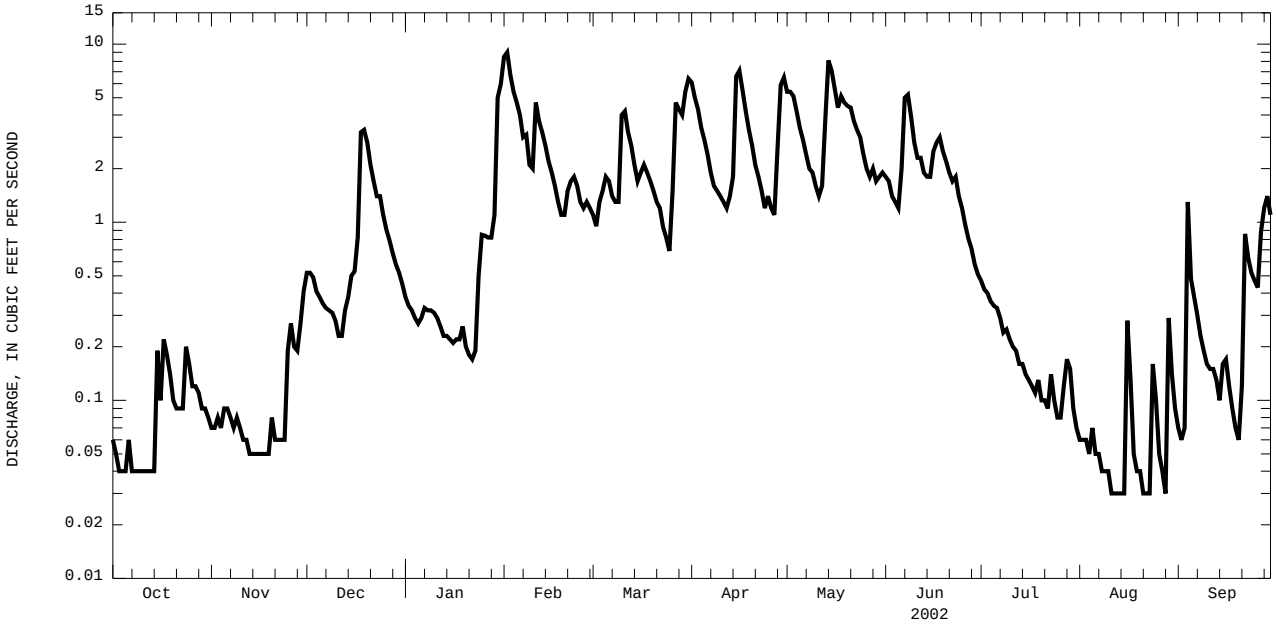
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	0.54	0.86	1.13	1.70	1.54	2.40	3.48	1.84	1.47	0.63	0.12	0.48
MAX	1.62	1.61	1.76	3.74	2.99	3.91	5.06	3.50	2.85	2.10	0.33	1.52
(WY)	2000	2000	2001	1998	2002	2000	2001	2002	1998	1998	2000	1999
MIN	0.090	0.10	0.65	0.43	0.92	0.72	2.99	0.57	0.48	0.19	0.056	0.024
(WY)	2002	2002	1999	2001	1998	2001	1998	2001	1999	2002	2001	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	299.33		490.47			
ANNUAL MEAN	0.82		1.34		1.34	
HIGHEST ANNUAL MEAN					1.72	1998
LOWEST ANNUAL MEAN					1.02	2001
HIGHEST DAILY MEAN	14	Apr 14	9.0	Feb 2	16	Jan 8 1998
LOWEST DAILY MEAN	0.03	Aug 30	0.03	Aug 11	0.01	Sep 19 1998
ANNUAL SEVEN-DAY MINIMUM	0.03	Sep 6	0.03	Aug 9	0.01	Oct 1 1998
ANNUAL RUNOFF (CFSM)	1.08		1.77		1.77	
ANNUAL RUNOFF (INCHES)	14.65		24.01		24.03	
10 PERCENT EXCEEDS	1.4		4.1		3.2	
50 PERCENT EXCEEDS	0.37		0.50		0.79	
90 PERCENT EXCEEDS	0.04		0.05		0.06	

e Estimated

01422389 COULTER BROOK NEAR BOVINA CENTER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01422500 LITTLE DELAWARE RIVER NEAR DELHI, NY

LOCATION.--Lat 42°15'08", long 74°54'07", Delaware County, Hydrologic Unit 02040101, on left bank 10 ft downstream from highway bridge, 0.7 mi downstream from Toll Gate Brook, 1.5 mi upstream from mouth, and 2.0 mi south of Delhi.
DRAINAGE AREA.--49.8 mi^2.
PERIOD OF RECORD.--October 1937 to September 1970, January 1997 to current year. Water years 1972-74, 1996 (annual maximum only), November to December 1996 (maximum only).
GAGE.--Water-stage recorder. Datum of gage is 1,385.35 ft above NGVD of 1929. Since January 1997, gage-height record collected at upstream side of bridge, but gage shelter still downstream from bridge. Prior to December 7, 1939, non-recording gages at several temporary sites within a quarter of a mile of present site at various datums.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,100 ft^3/s, Jan. 19, 1996, gage height, 8.51 ft, from floodmark, from rating curve extended above 1,600 ft^3/s on basis of slope-area measurement of peak flow; maximum gage height since January 1997, 8.55 ft, Jan. 1, 2001, result of ice jam; minimum discharge, 0.8 ft^3/s, Aug. 10, 11, 12, Sept. 24, 25, 1964; minimum gage height, 1.29 ft, Sept. 24, 25, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0200	*1,000	*4.81				

Minimum discharge, 2.9 ft^3/s, Aug. 13, 14, gage height, 1.89 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	4.0	39	e32	505	e64	227	238	117	33	9.2	9.4
2	5.1	4.0	23	e31	368	e60	187	232	93	29	7.9	8.4
3	4.6	4.2	18	e29	282	88	182	202	80	25	7.6	6.9
4	4.2	4.2	16	e28	234	81	158	169	70	22	6.6	40
5	3.7	4.9	15	e27	e180	69	131	149	77	20	9.2	21
6	3.9	5.4	14	e27	e150	72	119	128	163	18	11	14
7	4.0	5.2	13	e32	132	67	103	120	254	17	6.9	11
8	3.9	5.0	12	40	116	63	94	102	167	15	5.7	9.2
9	3.7	4.8	13	39	99	60	99	101	149	15	5.0	7.9
10	3.4	4.8	12	38	113	83	137	107	127	17	4.5	6.9
11	3.4	4.6	11	35	458	75	95	76	107	13	4.0	6.1
12	3.4	4.6	11	29	269	67	87	94	102	12	3.5	9.8
13	3.2	4.3	13	25	212	67	102	247	90	11	3.2	6.0
14	3.2	4.3	16	22	e170	65	137	333	88	9.8	3.5	4.4
15	6.3	4.3	23	21	e150	60	359	289	91	9.2	4.6	4.8
16	6.5	4.3	19	20	137	70	274	232	106	8.4	7.5	8.4
17	7.3	4.2	21	20	123	61	238	224	86	7.4	28	7.9
18	9.6	4.0	120	e18	102	59	255	361	67	7.3	11	5.9
19	7.4	4.0	77	e16	91	60	203	290	56	21	7.1	5.0
20	6.2	5.0	67	e20	85	65	179	245	48	29	6.5	4.3
21	5.4	5.8	60	e23	115	74	150	220	43	12	5.4	4.8
22	4.8	5.2	50	e25	102	82	134	192	40	9.1	4.3	98
23	4.6	4.9	e50	28	88	73	117	163	60	13	4.5	77
24	5.5	4.6	61	58	81	70	97	145	50	16	16	38
25	6.0	6.1	51	135	76	70	113	127	44	9.5	23	27
26	5.1	19	46	89	74	188	113	107	43	8.8	11	22
27	4.7	12	e43	87	80	514	86	95	62	12	8.1	64
28	4.6	9.5	e40	92	70	315	167	137	63	11	6.2	93
29	4.4	10	e38	134	---	267	245	100	42	47	17	52
30	4.2	13	e36	360	---	248	240	112	36	17	21	42
31	4.0	---	e34	319	---	227	---	134	---	12	12	---
TOTAL	152.4	180.2	1062	1899	4662	3484	4828	5471	2621	506.5	281.0	715.1
MEAN	4.92	6.01	34.3	61.3	166	112	161	176	87.4	16.3	9.06	23.8
MAX	9.6	19	120	360	505	514	359	361	254	47	28	98
MIN	3.2	4.0	11	16	70	59	86	76	36	7.3	3.2	4.3
CFSM	0.10	0.12	0.69	1.23	3.34	2.26	3.23	3.54	1.75	0.33	0.18	0.48
IN.	0.11	0.13	0.79	1.42	3.48	2.60	3.61	4.09	1.96	0.38	0.21	0.53

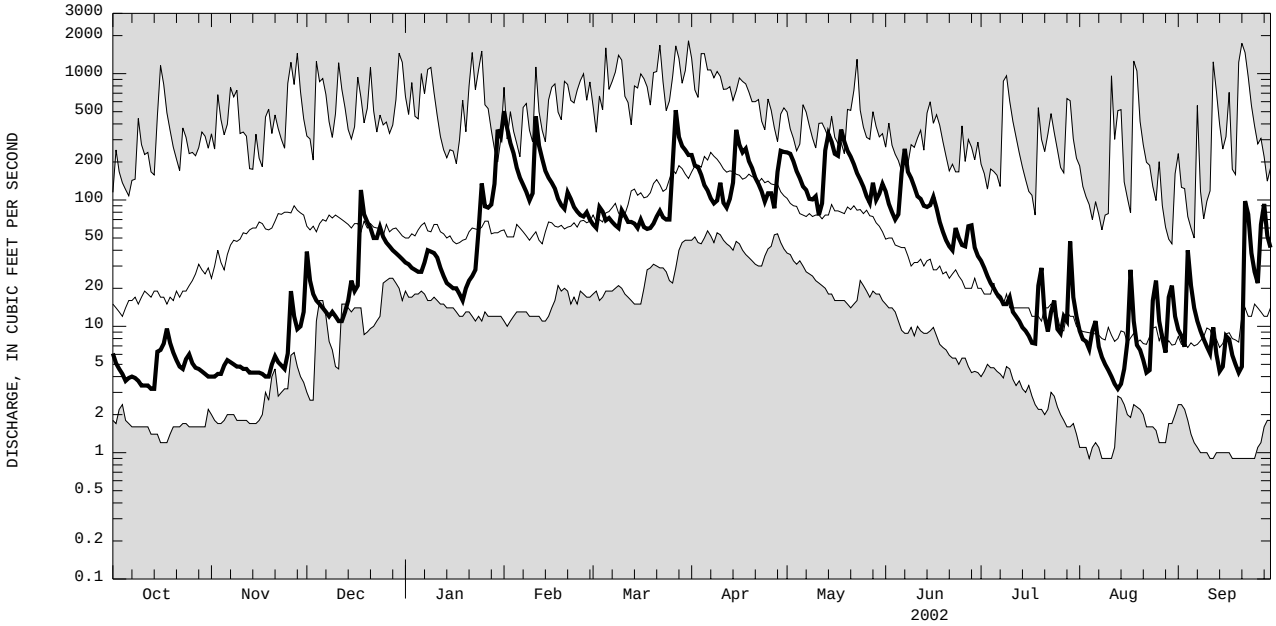
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

MEAN	37.3	86.5	99.9	97.7	101	173	210	106	55.5	33.0	19.3	31.5
MAX	203	227	200	265	224	346	490	240	157	173	139	235
(WY)	1956	1960	1951	1998	1939	1945	1958	1943	1998	1998	1955	1938
MIN	1.63	2.73	27.4	16.2	26.8	54.3	53.0	28.2	9.91	4.57	2.55	1.29
(WY)	1965	1965	1965	1961	1963	1965	1946	2001	1964	1965	1964	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	18539.1		25862.2			
ANNUAL MEAN	50.8		70.9		87.4	
HIGHEST ANNUAL MEAN					131	1960
LOWEST ANNUAL MEAN					42.2	1965
HIGHEST DAILY MEAN	952	Apr 10	514	Mar 27	1820	Mar 31 1940
LOWEST DAILY MEAN	2.1	Sep 13	3.2	Oct 13	0.90	Aug 4 1964
ANNUAL SEVEN-DAY MINIMUM	2.4	Sep 7	3.5	Oct 8	0.90	Sep 18 1964
ANNUAL RUNOFF (CFSM)	1.02		1.42		1.76	
ANNUAL RUNOFF (INCHES)	13.85		19.32		23.85	
10 PERCENT EXCEEDS	100		190		203	
50 PERCENT EXCEEDS	20		36		45	
90 PERCENT EXCEEDS	3.9		4.6		6.0	

e Estimated

01422500 LITTLE DELAWARE RIVER NEAR DELHI, NY--Continued



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.

01422738 WOLF CREEK AT MUNDALE, NY

LOCATION.--Lat 42°15'34", long 75°02'32", Delaware County, Hydrologic Unit 02040101, on left bank 6 ft downstream from culvert on Munn Road, and 8 mi northeast of Walton.
DRAINAGE AREA.--0.61 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
REVISED RECORDS.--WDR NY-01-1: 1999-2000 (P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,760 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those below 0.10 ft^3/s and those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33 ft^3/s, Dec. 17, 2000, gage height, 2.37 ft; minimum, no flow part or all of many days during July to September 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 1	1530	23	2.25	Mar. 26	2215	*32	*2.36

Minimum discharge, 0.02 ft^3/s, all or part of several days during August and September, gage height, 1.35 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.04	e0.06	0.41	e0.33	7.1	e0.84	2.4	2.2	1.2	0.24	0.03	0.03
2	0.04	e0.06	0.29	0.32	3.5	0.83	2.0	2.4	1.0	0.21	0.04	0.03
3	0.03	e0.06	0.25	0.32	e3.0	1.4	2.0	1.9	0.88	0.19	0.03	0.05
4	0.03	e0.07	0.25	0.32	e2.3	1.1	1.7	1.6	0.81	0.17	0.03	0.29
5	0.04	e0.07	0.23	0.31	1.7	e1.0	1.4	1.3	0.92	0.16	0.04	0.07
6	0.08	e0.06	0.22	e0.31	1.3	e1.0	1.2	1.2	2.2	0.16	0.03	0.04
7	0.07	e0.06	0.22	e0.32	e1.3	1.1	1.1	1.2	1.8	0.13	0.03	0.03
8	0.07	e0.06	0.19	0.32	e1.2	1.0	0.98	0.95	1.2	0.12	0.03	0.02
9	e0.06	e0.06	0.22	0.32	1.1	1.0	1.3	1.2	1.1	0.13	0.03	0.02
10	e0.05	e0.05	0.19	0.36	1.8	1.5	1.3	1.1	0.97	0.12	0.02	0.02
11	e0.04	e0.05	0.20	0.36	3.9	1.0	1.0	0.83	0.80	0.08	0.02	0.02
12	0.03	e0.05	0.19	0.33	e2.2	1.0	0.94	1.3	1.00	0.08	0.02	0.02
13	0.03	e0.05	0.24	0.33	2.1	1.1	1.2	3.2	0.83	0.07	0.02	0.02
14	0.05	e0.05	0.27	0.31	e1.7	1.0	1.4	4.3	1.1	0.06	0.02	0.02
15	0.12	e0.05	0.31	0.30	1.5	0.80	2.7	3.1	1.5	0.06	0.02	0.03
16	0.09	e0.04	0.26	0.28	1.5	1.1	2.1	2.5	1.8	0.06	0.04	0.04
17	0.26	e0.04	0.41	0.30	1.3	0.87	2.0	2.4	1.2	0.05	0.03	0.03
18	0.17	e0.04	1.1	0.29	1.1	0.85	1.8	5.0	0.94	0.05	0.02	0.02
19	0.10	e0.06	0.72	e0.28	1.1	0.88	1.5	3.0	0.79	0.14	0.02	0.02
20	0.08	e0.06	0.63	0.28	1.2	0.87	1.2	2.6	0.67	0.11	0.03	0.02
21	0.07	e0.05	0.55	0.27	1.5	1.2	1.0	2.3	0.64	0.06	0.02	0.03
22	0.07	e0.05	0.50	0.26	1.3	1.2	1.0	2.0	0.61	0.06	0.02	0.79
23	0.07	e0.05	0.49	0.32	1.2	1.0	0.88	1.5	0.94	0.08	0.02	0.57
24	e0.08	e0.07	0.70	0.95	1.1	1.0	0.76	1.3	0.67	0.06	0.27	0.21
25	e0.07	e0.13	0.53	1.1	1.1	1.0	1.1	1.1	0.55	0.05	0.14	0.12
26	e0.07	0.35	0.46	0.79	1.1	5.8	0.94	0.95	0.48	0.05	0.05	0.08
27	e0.07	0.23	0.42	0.81	1.2	7.1	0.79	1.0	0.47	0.06	0.04	0.56
28	e0.07	0.20	0.40	0.92	1.0	5.7	2.0	1.8	0.35	0.05	0.03	0.48
29	e0.06	0.26	0.40	1.4	---	5.0	2.2	1.2	0.29	0.05	0.07	0.25
30	e0.06	0.37	0.39	4.9	---	4.0	2.2	1.3	0.26	0.04	0.05	0.20
31	e0.06	---	e0.37	2.6	---	2.6	---	1.5	---	0.04	0.04	---
TOTAL	2.23	2.86	12.01	20.61	51.4	55.84	44.09	59.23	27.97	2.99	1.30	4.13
MEAN	0.072	0.095	0.39	0.66	1.84	1.80	1.47	1.91	0.93	0.096	0.042	0.14
MAX	0.26	0.37	1.1	4.9	7.1	7.1	2.7	5.0	2.2	0.24	0.27	0.79
MIN	0.03	0.04	0.19	0.26	1.0	0.80	0.76	0.83	0.26	0.04	0.02	0.02
CFSM	0.12	0.16	0.64	1.09	3.01	2.95	2.41	3.13	1.53	0.16	0.07	0.23
IN.	0.14	0.17	0.73	1.26	3.13	3.41	2.69	3.61	1.71	0.18	0.08	0.25

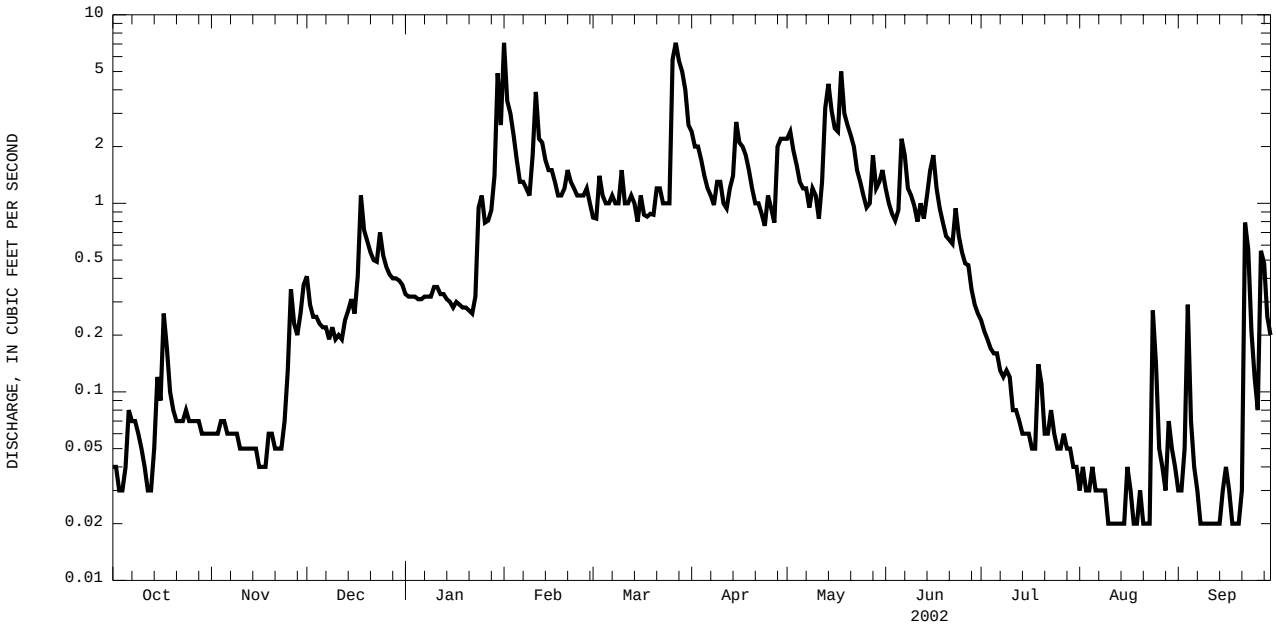
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	0.37	0.43	0.83	1.21	1.56	1.82	2.11	1.14	0.59	0.13	0.072	0.20
MAX	0.81	1.08	1.52	2.48	1.84	2.63	2.99	1.91	0.93	0.24	0.17	0.46
(WY)	2000	2000	2001	1999	2002	2000	2001	2002	2002	2000	2000	1999
MIN	0.072	0.095	0.34	0.66	1.16	1.24	1.20	0.31	0.13	0.065	0.016	0.095
(WY)	2002	2002	1999	2002	1999	2001	1999	2001	1999	1999	1999	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	244.07		284.66			
ANNUAL MEAN	0.67		0.78		0.87	
HIGHEST ANNUAL MEAN					1.18	2000
LOWEST ANNUAL MEAN					0.68	1999
HIGHEST DAILY MEAN	13	Apr 9	7.1	Feb 1	14	Feb 28 2000
LOWEST DAILY MEAN	0.02	Aug 25	0.02	Aug 10	0.00	Aug 17 1999
ANNUAL SEVEN-DAY MINIMUM	0.03	Aug 24	0.02	Sep 8	0.00	Aug 30 1999
ANNUAL RUNOFF (CFSM)	1.10		1.28		1.42	
ANNUAL RUNOFF (INCHES)	14.88		17.36		19.30	
10 PERCENT EXCEEDS	1.3		2.0		2.0	
50 PERCENT EXCEEDS	0.29		0.33		0.50	
90 PERCENT EXCEEDS	0.04		0.03		0.04	

e Estimated

01422738 WOLF CREEK AT MUNDALE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01422747 EAST BROOK EAST OF WALTON, NY

LOCATION.--Lat 42°10'22", long 75°07'18", Delaware County, Hydrologic Unit 02040101, on right bank 150 ft downstream from bridge on East Street, in Walton, and 0.55 mi upstream from mouth (at West Branch Delaware River).
DRAINAGE AREA.--24.7 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,240 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,130 ft^3/s, Jan. 18, 1999, Feb. 28, 2000; maximum gage height, 4.89 ft, Jan. 18, 1999; minimum discharge, 1.1 ft^3/s, Sept. 5, 1999; minimum gage height, 1.37 ft, Aug. 30, 31, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0000	*554	*3.91	No other peak greater than base discharge.			

Minimum discharge, 1.5 ft^3/s, part of each day Aug. 13, 15, 21-24, Sept. 14-15, 20-21, gage height, 1.42 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	2.5	19	e14	170	e30	99	95	61	15	3.1	2.6
2	3.8	2.4	13	e13	134	28	80	97	49	13	3.3	2.4
3	3.2	2.4	11	e12	103	41	76	83	42	12	3.3	2.2
4	3.0	2.4	9.9	e12	87	38	66	69	37	12	2.8	8.4
5	2.7	3.1	9.0	11	72	e34	56	60	37	11	3.1	5.1
6	2.8	3.1	8.3	11	60	e31	51	53	73	9.7	2.9	3.8
7	3.0	2.7	7.5	e11	53	31	45	53	104	9.0	2.6	3.1
8	2.7	2.6	7.1	e11	48	29	42	48	67	8.1	2.5	2.6
9	2.7	2.6	7.4	e11	42	29	43	49	59	7.6	2.5	2.3
10	2.5	2.3	6.9	11	45	42	59	56	50	7.8	2.1	2.1
11	2.4	2.2	6.7	12	140	34	43	42	42	6.7	2.0	1.9
12	2.1	2.1	6.7	11	e84	33	40	51	59	6.2	1.9	1.8
13	2.0	2.0	7.8	11	76	33	43	106	47	5.8	1.8	1.8
14	1.9	2.0	8.9	10	e62	33	55	186	50	5.5	1.9	1.7
15	3.4	2.0	12	10	58	30	102	143	63	5.3	1.7	1.8
16	3.4	2.0	11	10	55	36	83	111	92	5.0	1.8	2.4
17	5.0	1.8	13	10	51	32	76	101	80	4.6	2.4	2.3
18	5.9	1.8	50	10	e41	31	71	181	68	4.4	2.2	2.0
19	4.5	1.7	40	e10	e36	31	61	145	56	5.5	1.8	1.9
20	3.7	2.5	36	e10	38	33	54	118	46	7.1	1.9	1.8
21	3.1	2.5	32	e10	49	37	48	101	39	5.3	1.8	2.1
22	2.9	2.3	27	e13	46	41	45	85	35	4.6	1.8	25
23	2.8	2.1	25	e12	41	37	41	70	40	4.9	1.6	30
24	3.4	2.0	e25	27	38	37	36	61	43	5.1	4.8	13
25	3.3	3.5	e25	58	36	38	40	53	29	4.3	7.2	7.7
26	3.0	11	24	46	35	118	40	44	26	4.1	4.1	5.2
27	3.0	7.7	e22	45	37	279	34	43	27	5.1	3.1	14
28	3.0	6.6	20	49	33	162	57	92	24	4.8	2.6	24
29	2.8	7.0	e18	66	---	134	96	62	19	4.4	3.6	14
30	2.6	7.9	e17	143	---	119	89	60	17	3.8	4.2	9.9
31	2.5	---	e15	127	---	106	---	68	---	3.4	3.1	---
TOTAL	97.4	98.8	541.2	817	1770	1767	1771	2586	1481	211.1	85.5	198.9
MEAN	3.14	3.29	17.5	26.4	63.2	57.0	59.0	83.4	49.4	6.81	2.76	6.63
MAX	5.9	11	50	143	170	279	102	186	104	15	7.2	30
MIN	1.9	1.7	6.7	10	33	28	34	42	17	3.4	1.6	1.7
CFSM	0.13	0.13	0.71	1.07	2.56	2.31	2.39	3.38	2.00	0.28	0.11	0.27
IN.	0.15	0.15	0.82	1.23	2.67	2.66	2.67	3.89	2.23	0.32	0.13	0.30

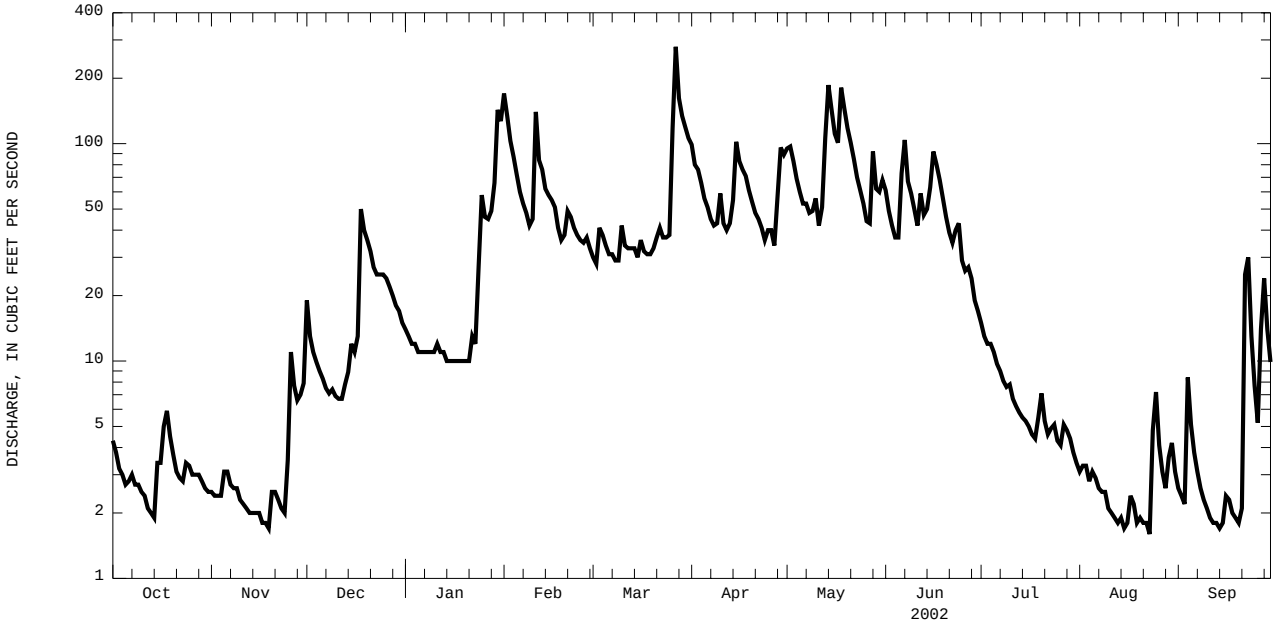
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	13.2	16.5	31.6	42.5	58.6	71.9	89.7	52.3	35.1	8.34	5.24	9.77
MAX	25.1	38.8	60.6	92.9	77.3	114	123	87.3	51.0	11.6	12.8	20.1
(WY)	2000	2000	2001	1999	2000	2000	2001	2000	2000	2000	2000	1999
MIN	3.14	3.29	9.88	17.4	46.1	45.2	55.1	15.5	7.17	4.94	1.76	4.54
(WY)	2002	2002	1999	2001	1999	2001	1999	2001	1999	1999	1999	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	9711.7		11425.3			
ANNUAL MEAN	26.6		31.3		36.0	
HIGHEST ANNUAL MEAN					51.4	2000
LOWEST ANNUAL MEAN					28.4	1999
HIGHEST DAILY MEAN	404	Apr 10	279	Mar 27	635	Feb 28 2000
LOWEST DAILY MEAN	1.7	Nov 19	1.6	Aug 23	1.2	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	1.9	Nov 13	1.9	Aug 10	1.4	Aug 2 1999
ANNUAL RUNOFF (CFSM)	1.08		1.27		1.46	
ANNUAL RUNOFF (INCHES)	14.63		17.21		19.83	
10 PERCENT EXCEEDS	51		80		88	
50 PERCENT EXCEEDS	13		13		21	
90 PERCENT EXCEEDS	2.5		2.2		2.6	

e Estimated

01422747 EAST BROOK EAST OF WALTON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01423000 WEST BRANCH DELAWARE RIVER AT WALTON, NY

LOCATION.--Lat 42°09'58", long 75°08'25", Delaware County, Hydrologic Unit 02040101, on left bank at west end of fairgrounds at Walton, and 100 ft downstream from West Brook.
DRAINAGE AREA.--332 mi^2.
PERIOD OF RECORD.--October 1950 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,190.30 ft above NGVD of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,000 ft^3/s, Jan. 19, 1996, gage height, 16.36 ft, from rating curve extended above 8,800 ft^3/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 4.7 mi downstream; minimum discharge, 12 ft^3/s, Sept. 15, Nov. 22, 1964; minimum gage height, 1.86 ft, Nov. 22, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0715	*4,510	*8.46				

Minimum discharge, 24 ft^3/s, Sept. 15, 20, 21; minimum gage height, 2.25 ft, Oct. 12, 13, 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	30	148	e160	2030	e380	1440	1480	823	268	60	42
2	46	29	159	e150	2320	e360	1220	1330	654	245	55	38
3	41	29	124	e140	1540	483	1090	1250	570	221	54	35
4	38	29	108	e130	1300	542	1070	1030	499	201	54	85
5	34	30	99	e130	1040	400	853	893	503	183	54	93
6	34	31	91	e120	887	e400	768	783	914	168	55	64
7	33	30	85	e120	771	e410	673	742	1670	157	54	51
8	32	30	80	e130	700	400	615	680	1130	143	47	42
9	29	30	82	e140	609	382	580	639	977	134	42	38
10	29	30	78	146	567	479	809	713	847	147	40	34
11	28	29	74	145	2170	432	620	557	721	137	38	32
12	27	29	73	140	e1300	420	540	547	775	117	35	29
13	27	29	77	132	e1000	415	539	1090	720	107	32	28
14	26	28	89	124	e840	411	727	2420	674	99	31	27
15	32	28	116	120	e760	380	1350	2030	807	92	29	27
16	34	28	125	119	e720	408	1230	1570	988	85	29	28
17	42	27	125	117	e680	400	1100	1440	1020	79	40	29
18	47	26	399	106	633	370	1110	2060	800	73	50	28
19	47	26	443	e82	540	371	948	2170	668	78	40	26
20	44	29	367	e92	529	402	854	1700	568	167	36	25
21	41	29	336	e96	651	429	768	1450	499	120	32	26
22	38	30	289	e100	653	511	683	1260	448	89	29	157
23	36	29	253	e110	566	443	638	1070	559	82	27	398
24	38	29	301	185	501	449	550	926	549	91	42	207
25	38	36	310	641	490	452	534	842	398	87	74	133
26	36	70	258	553	469	738	695	710	420	73	56	104
27	35	77	e190	502	494	3900	542	652	471	74	44	146
28	33	68	e180	517	457	2330	670	984	469	72	38	318
29	33	66	e170	620	---	1920	1450	812	357	109	39	232
30	31	71	e160	1520	---	1720	1260	698	302	95	53	171
31	30	---	e160	1650	---	1500	---	896	---	70	52	---
TOTAL	1111	1082	5549	9037	25217	22637	25926	35424	20800	3863	1361	2693
MEAN	35.8	36.1	179	292	901	730	864	1143	693	125	43.9	89.8
MAX	52	77	443	1650	2320	3900	1450	2420	1670	268	74	398
MIN	26	26	73	82	457	360	534	547	302	70	27	25
CFSM	0.11	0.11	0.54	0.88	2.71	2.20	2.60	3.44	2.09	0.38	0.13	0.27
IN.	0.12	0.12	0.62	1.01	2.83	2.54	2.90	3.97	2.33	0.43	0.15	0.30

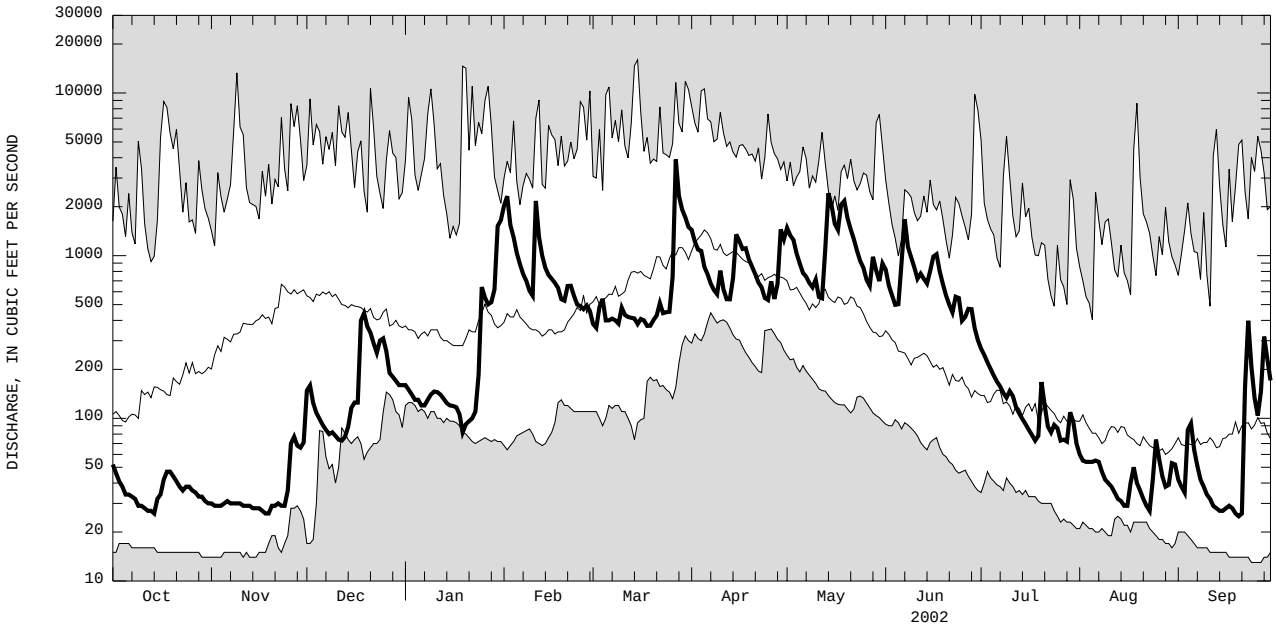
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2002, BY WATER YEAR (WY)

MEAN	331	608	714	636	686	1101	1284	683	362	201	143	193
MAX	2013	1605	2002	1980	2052	2935	2953	1564	1111	889	942	1332
(WY)	1978	1997	1974	1996	1981	1977	1958	1984	1968	1998	1955	1977
MIN	15.4	17.3	139	94.6	147	371	452	190	70.6	38.9	24.2	15.8
(WY)	1965	1965	1999	1961	1980	1965	1986	1987	1964	1965	1964	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1951 - 2002	
ANNUAL TOTAL	128888		154700			
ANNUAL MEAN	353		424		577	
HIGHEST ANNUAL MEAN					833	1976
LOWEST ANNUAL MEAN					263	1965
HIGHEST DAILY MEAN	7600	Apr 10	3900	Mar 27	16000	Mar 15 1986
LOWEST DAILY MEAN	23	Sep 12	25	Sep 20	13	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	25	Sep 7	27	Sep 15	13	Sep 21 1964
ANNUAL RUNOFF (CFSM)	1.06		1.28		1.74	
ANNUAL RUNOFF (INCHES)	14.44		17.33		23.63	
10 PERCENT EXCEEDS	686		1090		1330	
50 PERCENT EXCEEDS	150		160		309	
90 PERCENT EXCEEDS	30		30		54	

e Estimated

01423000 WEST BRANCH DELAWARE RIVER AT WALTON, NY--Continued



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.

0142400103 TROUT CREEK NEAR TROUT CREEK, NY

LOCATION.--Lat 42°10'25", long 75°16'47", Delaware County, Hydrologic Unit 02040101, on right bank downstream from bridge on Bullock Hill Road, 0.4 mi upstream from mouth, and 2.1 mi south of Trout Creek.
DRAINAGE AREA.--20.2 mi^2.
PERIOD OF RECORD.--June 1952 to June 1967, December 1996 to current year. Water year 1996 (annual maximum only), November 1996 (maximum only). Prior to November 1996, published as Trout Creek near Rockroyal (01424000).
REVISED RECORDS.--WDR NY-98-1: 1997(P). WDR NY-00-01: 1999.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,158.61 ft above NGVD of 1929. Prior to November 1996, at site 0.3 mi upstream at datum 1165.70 ft above NGVD of 1929 (levels and benchmark, Board of Water Supply, City of New York).
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,800 ft^3/s, Jan. 19, 1996, gage height, 7.24 ft, from floodmarks, present site and datum (10.06 ft, from floodmark in gage house, site and datum then in use), from rating curve extended above 900 ft^3/s on basis of contracted-opening measurement at gage height 7.03 ft (site and datum then in use); minimum discharge, 0.1 ft^3/s, Sept. 5, 23, 24, 25, 26, 27, Oct. 1, 2, 1964; minimum gage height since December 1996, 0.82 ft, Aug. 12, 13, 1997, but may have been less during period of estimated record Aug. 6 to Sept. 16, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 26	2330	*572	*4.79				

Minimum discharge, 0.63 ft^3/s, Aug. 21, 23, gage height, 0.87 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.1	12	e6.6	135	25	101	83	105	11	1.4	1.4
2	1.4	1.1	7.4	e6.5	107	23	80	100	80	9.9	1.4	1.3
3	1.2	1.1	6.0	e6.4	81	34	75	81	64	9.2	1.9	1.2
4	1.2	1.2	5.1	e6.3	69	28	63	68	53	8.5	1.4	6.5
5	1.1	1.3	4.6	e6.2	55	22	54	59	52	8.3	2.6	2.7
6	1.1	1.3	4.2	e6.2	49	25	49	51	113	7.2	2.0	2.0
7	1.1	1.3	3.8	e6.6	43	23	42	56	117	6.5	1.6	1.8
8	1.1	1.3	3.6	e6.0	39	21	39	46	82	5.8	1.4	1.5
9	1.1	1.2	4.1	6.2	35	20	44	52	71	5.5	1.2	1.3
10	0.99	1.2	3.8	6.8	57	24	50	52	59	5.9	1.2	1.2
11	1.00	1.2	3.8	7.3	202	19	38	40	49	4.8	1.1	1.1
12	0.99	1.1	3.9	6.8	111	19	35	56	99	4.3	1.0	1.1
13	0.97	1.1	5.0	6.7	87	20	39	112	70	3.9	0.94	0.99
14	0.96	1.1	6.2	6.3	66	19	48	161	95	3.6	0.88	0.93
15	1.8	1.1	11	6.3	60	18	91	127	126	3.3	0.85	0.99
16	1.9	1.1	7.9	6.3	55	23	69	99	201	2.9	0.86	0.98
17	3.5	1.1	11	6.2	49	19	64	90	160	2.7	0.81	1.1
18	3.6	1.0	44	e5.6	40	19	57	174	125	2.5	0.78	1.2
19	2.5	0.98	29	e5.4	35	19	50	129	92	8.0	0.74	1.1
20	2.0	1.5	24	e5.6	35	22	45	107	70	7.4	0.76	1.1
21	1.7	1.6	20	e5.8	49	27	39	91	55	4.2	0.72	1.2
22	1.6	1.4	17	6.3	44	29	38	76	47	3.3	0.74	134
23	1.5	1.3	15	6.8	38	26	33	63	46	3.2	0.69	88
24	1.7	1.2	20	23	34	27	28	54	40	3.8	3.6	21
25	1.6	3.7	e16	47	33	27	36	46	30	2.9	4.3	11
26	1.4	9.5	e11	33	32	156	33	39	26	2.3	2.1	6.5
27	1.3	5.2	9.5	32	34	281	27	36	25	3.5	1.7	34
28	1.3	3.9	e9.0	34	29	175	65	121	20	3.3	1.4	42
29	1.3	4.4	e8.6	43	---	139	92	82	16	2.7	1.6	19
30	1.2	5.7	e7.6	108	---	125	87	107	13	2.0	1.9	13
31	1.2	---	e7.2	94	---	110	---	117	---	1.7	1.6	---
TOTAL	46.91	61.28	341.3	559.2	1703	1564	1611	2575	2201	154.1	45.17	401.19
MEAN	1.51	2.04	11.0	18.0	60.8	50.5	53.7	83.1	73.4	4.97	1.46	13.4
MAX	3.6	9.5	44	108	202	281	101	174	201	11	4.3	134
MIN	0.96	0.98	3.6	5.4	29	18	27	36	13	1.7	0.69	0.93
CFSM	0.07	0.10	0.55	0.89	3.01	2.50	2.66	4.11	3.63	0.25	0.07	0.66
IN.	0.09	0.11	0.63	1.03	3.14	2.88	2.97	4.74	4.05	0.28	0.08	0.74

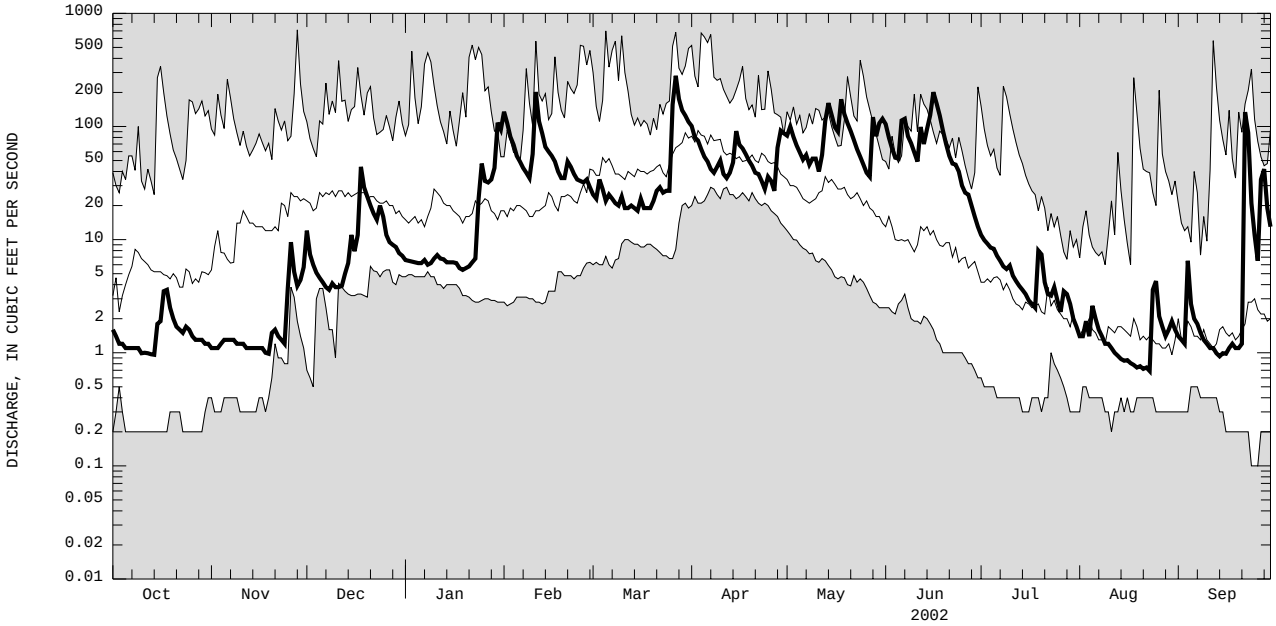
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2002, BY WATER YEAR (WY)

MEAN	12.4	24.2	31.4	36.1	39.5	65.3	79.6	35.7	20.8	7.07	4.12	9.77
MAX	63.9	102	68.0	89.7	74.8	131	181	88.0	73.4	50.5	29.1	52.8
(WY)	1956	1960	1960	1998	1961	1964	1958	2000	2002	1998	1955	1960
MIN	0.24	0.78	6.23	3.79	9.96	24.4	36.0	7.97	2.00	0.54	0.47	0.48
(WY)	1965	1965	1999	1961	1963	1965	1966	2001	1962	1962	1964	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1953 - 2002	
ANNUAL TOTAL	7248.78		11263.15			
ANNUAL MEAN	19.9		30.9		30.9	
HIGHEST ANNUAL MEAN					46.7	1960
LOWEST ANNUAL MEAN					15.0	1965
HIGHEST DAILY MEAN	265	Apr 10	281	Mar 27	715	Nov 28 1959
LOWEST DAILY MEAN	0.96	Oct 14	0.69	Aug 23	0.10	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	1.0	Oct 8	0.75	Aug 17	0.16	Sep 20 1964
ANNUAL RUNOFF (CFSM)	0.98		1.53		1.53	
ANNUAL RUNOFF (INCHES)	13.35		20.74		20.75	
10 PERCENT EXCEEDS	43		91		76	
50 PERCENT EXCEEDS	7.9		9.2		14	
90 PERCENT EXCEEDS	1.2		1.1		1.1	

e Estimated

0142400103 TROUT CREEK NEAR TROUT CREEK, NY--Continued



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.

01424108 SHERRUCK BROOK TRIBUTARY NEAR TROUT CREEK, NY

LOCATION.--Lat 42°11'16", long 75°18'57", Delaware County, Hydrologic Unit 02040101, on left bank downstream from culvert on Mormon Hollow Road, 800 ft upstream from Sherruck Brook, and 2.2 mi southwest of Trout Creek.
DRAINAGE AREA.--1.26 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
REVISED RECORDS.--WDR NY-00-1: 1999.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,520 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges and those below 1.0 ft^3/s, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77 ft^3/s, May 24, 2000, gage height, 2.27 ft, outside gage height was 2.48 ft, from crest-stage gage; minimum discharge, 0.02 ft^3/s, Sept. 13, 1999, Aug. 22, 25, 26, Oct. 16, 2001, Aug. 13, 19, 21, 22, 23, 2002; minimum gage height, 0.15 ft, Aug. 13, 19, 21, 22, 23, 2002.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 26	2345	*27	*1.63				

Minimum discharge, 0.02 ft^3/s, Oct. 16, Aug. 13, 19, 21, 22, 23; minimum gage height, 0.15 ft, Aug. 13, 19, 21, 22, 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.15	e0.07	1.0	e0.35	8.3	2.0	7.1	5.5	6.9	0.46	0.11	0.05
2	0.13	e0.07	0.63	0.26	7.1	1.7	5.6	6.4	5.4	0.41	0.11	0.05
3	0.09	e0.07	0.49	0.22	5.6	2.3	4.9	5.4	4.2	0.39	0.11	0.05
4	0.09	e0.08	0.40	0.19	4.8	e2.0	4.1	4.4	3.4	0.36	0.10	0.29
5	0.08	e0.09	0.38	0.17	3.8	e1.8	3.4	3.8	3.0	0.33	0.18	0.08
6	0.10	e0.08	0.35	e0.17	3.2	1.7	3.0	3.2	5.6	0.30	0.08	0.07
7	0.10	e0.08	0.33	e0.20	2.7	1.5	2.7	3.4	6.5	0.27	0.07	0.06
8	0.10	e0.08	0.31	0.17	2.3	1.5	2.3	2.7	4.5	0.25	0.06	0.06
9	0.10	e0.07	0.32	0.16	2.0	1.4	2.7	3.1	3.7	0.25	0.06	0.06
10	0.08	e0.07	0.30	0.20	3.6	1.5	3.2	3.2	3.1	0.23	0.05	0.05
11	0.07	e0.07	0.29	0.25	13	e1.2	2.6	2.5	2.4	0.20	0.05	0.06
12	0.06	e0.07	0.31	0.26	7.3	1.1	2.3	3.2	2.7	0.20	0.04	0.06
13	0.05	e0.07	0.49	0.31	5.9	1.1	2.4	6.6	2.2	0.19	0.04	0.06
14	0.05	e0.06	0.74	0.33	e5.0	1.2	3.0	9.8	3.3	0.18	0.05	0.05
15	0.10	e0.06	1.2	0.36	4.1	1.1	6.0	7.6	5.3	0.17	0.05	0.08
16	0.09	e0.06	0.91	0.38	3.6	1.5	5.0	6.1	9.6	0.15	0.06	0.10
17	0.22	e0.07	1.3	0.39	3.1	1.3	4.4	5.4	7.7	0.14	0.05	0.09
18	0.18	e0.07	4.8	e0.39	2.5	1.2	3.8	9.9	6.0	0.14	0.05	0.06
19	0.16	e0.06	3.3	e0.39	2.2	1.2	3.2	7.6	4.5	0.28	0.04	0.05
20	0.13	e0.10	2.7	0.38	2.3	1.3	2.8	6.2	3.4	0.19	0.05	0.05
21	0.09	e0.09	2.2	0.37	4.1	1.4	2.3	5.4	2.5	0.15	0.04	0.08
22	0.08	e0.08	1.9	0.36	4.0	1.5	2.1	4.4	2.0	0.14	0.04	4.1
23	0.08	e0.08	1.7	0.40	3.3	1.5	1.9	3.7	2.0	0.15	0.04	3.1
24	0.11	e0.08	1.9	1.4	2.8	1.3	1.6	3.1	1.5	0.14	0.29	0.49
25	e0.10	e0.25	1.6	3.0	2.7	1.3	2.1	2.5	1.2	0.13	0.12	0.22
26	e0.09	0.62	1.3	2.3	2.7	6.0	2.1	2.1	0.93	0.12	e0.06	0.16
27	e0.09	0.39	e0.86	2.1	2.8	17	1.7	2.1	0.81	0.17	0.05	1.5
28	e0.08	0.32	0.71	2.1	2.2	10	4.7	4.6	0.69	0.15	0.05	2.0
29	e0.08	0.40	e0.52	2.9	---	9.6	7.2	3.6	0.59	0.14	0.09	0.78
30	e0.08	0.64	0.48	7.7	---	10	6.2	6.1	0.51	0.11	0.08	0.50
31	e0.07	---	e0.40	7.0	---	8.3	---	8.5	---	0.11	0.06	---
TOTAL	3.08	4.40	34.12	35.16	117.0	97.5	106.4	152.1	106.13	6.60	2.33	14.41
MEAN	0.099	0.15	1.10	1.13	4.18	3.15	3.55	4.91	3.54	0.21	0.075	0.48
MAX	0.22	0.64	4.8	7.7	13	17	7.2	9.9	9.6	0.46	0.29	4.1
MIN	0.05	0.06	0.29	0.16	2.0	1.1	1.6	2.1	0.51	0.11	0.04	0.05
CFSM	0.08	0.12	0.87	0.90	3.32	2.50	2.81	3.89	2.81	0.17	0.06	0.38
IN.	0.09	0.13	1.01	1.04	3.45	2.88	3.14	4.49	3.13	0.19	0.07	0.43

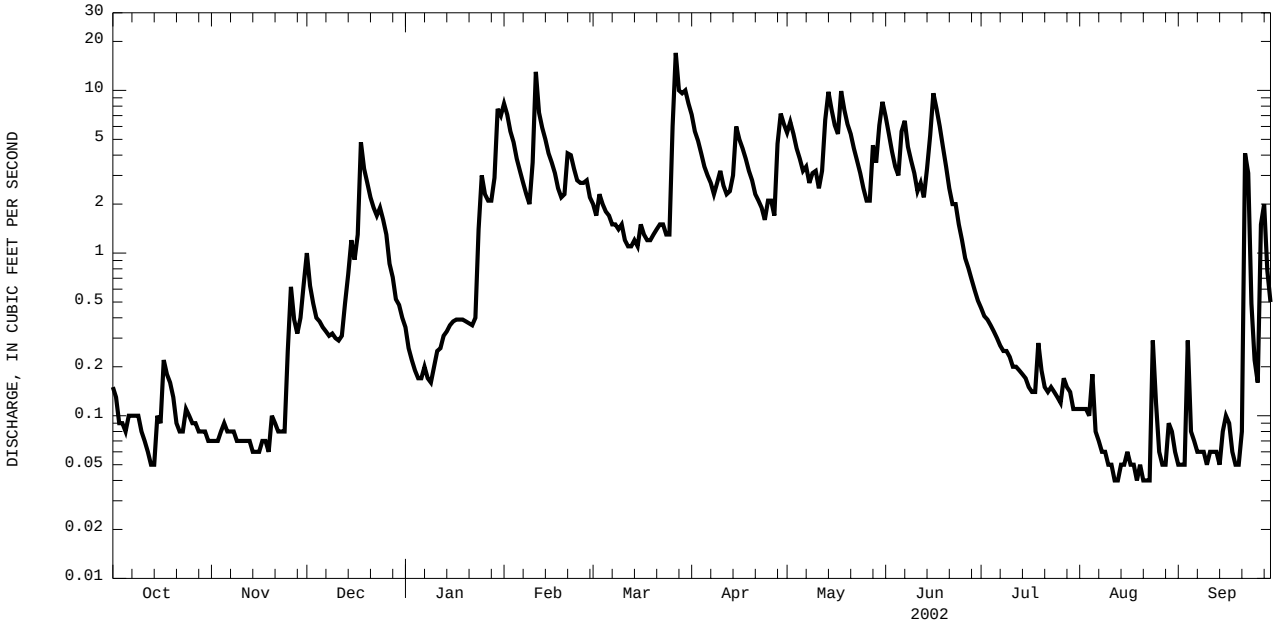
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	0.62	0.87	1.64	3.21	3.17	4.81	5.26	3.21	2.35	0.92	0.11	0.47
MAX	1.64	1.62	2.98	7.72	4.18	7.33	7.53	5.90	4.13	3.41	0.19	1.22
(WY)	2001	2000	2001	1998	2002	1998	2001	2000	2000	1998	2000	1999
MIN	0.099	0.15	0.52	0.73	1.76	2.44	3.55	0.45	0.32	0.19	0.071	0.12
(WY)	2002	2002	1999	2001	2001	2001	2002	2001	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	482.30		679.23			
ANNUAL MEAN	1.32		1.86		2.21	
HIGHEST ANNUAL MEAN					2.96	2000
LOWEST ANNUAL MEAN					1.60	1999
HIGHEST DAILY MEAN	27	Apr 10	17	Mar 27	38	Jan 8 1998
LOWEST DAILY MEAN	0.04	Aug 22	0.04	Aug 12	0.04	Sep 8 1999
ANNUAL SEVEN-DAY MINIMUM	0.04	Aug 20	0.04	Aug 17	0.04	Aug 20 2001
ANNUAL RUNOFF (CFSM)	1.05		1.48		1.76	
ANNUAL RUNOFF (INCHES)	14.24		20.05		23.86	
10 PERCENT EXCEEDS	2.7		5.4		5.8	
50 PERCENT EXCEEDS	0.49		0.51		0.94	
90 PERCENT EXCEEDS	0.07		0.06		0.09	

e Estimated

01424108 SHERRUCK BROOK TRIBUTARY NEAR TROUT CREEK, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY

LOCATION.--Lat 42°04'29", long 75°23'47", Delaware County, Hydrologic Unit 02040101, on right bank at Stilesville, 0.5 mi upstream from Cold Spring Creek, 1.4 mi downstream from Cannonsville Dam, and 2.0 mi northeast of Deposit. Water-quality sampling site at discharge station.
DRAINAGE AREA.--456 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1952 to current year.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 992.23 ft above NGVD of 1929 (levels by Board of Water Supply, City of New York). Prior to Oct. 1, 1964, at site 600 ft downstream at datum 1.37 ft higher.
REMARKS.--Records fair except those below 100 ft^3/s and those for estimated daily discharges, which are poor. Subsequent to October 1963, entire flow from 454 mi^2 of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply (see Reservoirs in Delaware River Basin). Remainder of flow (except for conservation releases and spill) impounded for release during period of low flow in the lower Delaware River basin, as directed by the Delaware River Master.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,800 ft^3/s, Mar. 16, 1986, gage height, 13.07 ft; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,510 ft^3/s, Aug. 16, gage height, 8.75 ft; minimum, 1.9 ft^3/s, Mar. 11, gage height, 2.20 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	883	849	45	8.3	15	9.9	15	32	49	425	626	646
2	852	914	18	8.3	14	9.8	14	33	38	526	1050	657
3	941	705	17	8.3	13	11	13	31	35	523	1090	666
4	1060	741	16	8.4	13	10	13	31	34	375	929	799
5	1160	748	13	8.5	12	11	12	31	36	455	884	775
6	1170	511	43	8.6	12	10	12	31	41	334	935	1210
7	1150	408	54	9.1	12	9.9	12	31	45	422	961	1220
8	1210	477	53	8.6	12	9.8	12	29	40	425	1010	711
9	1310	468	23	8.7	12	9.9	12	30	37	336	1180	580
10	1350	365	40	8.7	14	10	12	29	35	296	1200	642
11	1320	345	36	8.8	21	11	11	29	74	248	1200	719
12	1310	345	33	8.7	15	10	11	30	168	562	1180	794
13	1180	343	46	8.6	13	10	12	35	148	548	1190	972
14	1290	376	17	9.8	15	9.9	12	39	84	326	1190	748
15	1260	392	8.2	8.7	14	9.8	13	35	73	324	1240	288
16	1330	392	8.0	8.6	13	11	20	33	69	419	1290	264
17	1220	408	9.1	8.7	13	10	29	32	70	414	1260	404
18	1200	380	13	8.8	13	10	29	39	82	427	1250	384
19	1220	386	9.9	9.0	12	10	29	36	85	771	1220	407
20	1280	398	9.5	8.8	23	11	29	34	130	817	1280	765
21	1300	450	9.1	8.7	13	11	29	33	227	592	1260	241
22	1310	448	8.8	8.8	12	11	29	32	247	521	1140	388
23	1240	463	8.6	8.8	11	10	29	32	246	669	1060	413
24	1340	335	9.0	9.7	11	11	29	31	243	462	1260	345
25	1260	251	8.7	10	10	11	30	31	254	513	449	552
26	1170	146	8.5	9.9	10	15	29	31	289	1010	730	215
27	1280	63	8.4	9.9	10	23	29	31	330	903	768	e120
28	1250	51	8.5	9.9	10	17	33	32	290	486	800	e70
29	1330	55	8.5	10	---	15	35	31	241	574	570	e80
30	886	56	8.4	13	---	15	34	33	330	601	750	e110
31	841	---	8.3	14	---	15	---	42	---	635	1020	---
TOTAL	36903	12269	606.5	286.7	368	358.0	628	1009	4070	15939	31972	16185
MEAN	1190	409	19.6	9.25	13.1	11.5	20.9	32.5	136	514	1031	540
MAX	1350	914	54	14	23	23	35	42	330	1010	1290	1220
MIN	841	51	8.0	8.3	10	9.8	11	29	34	248	449	70

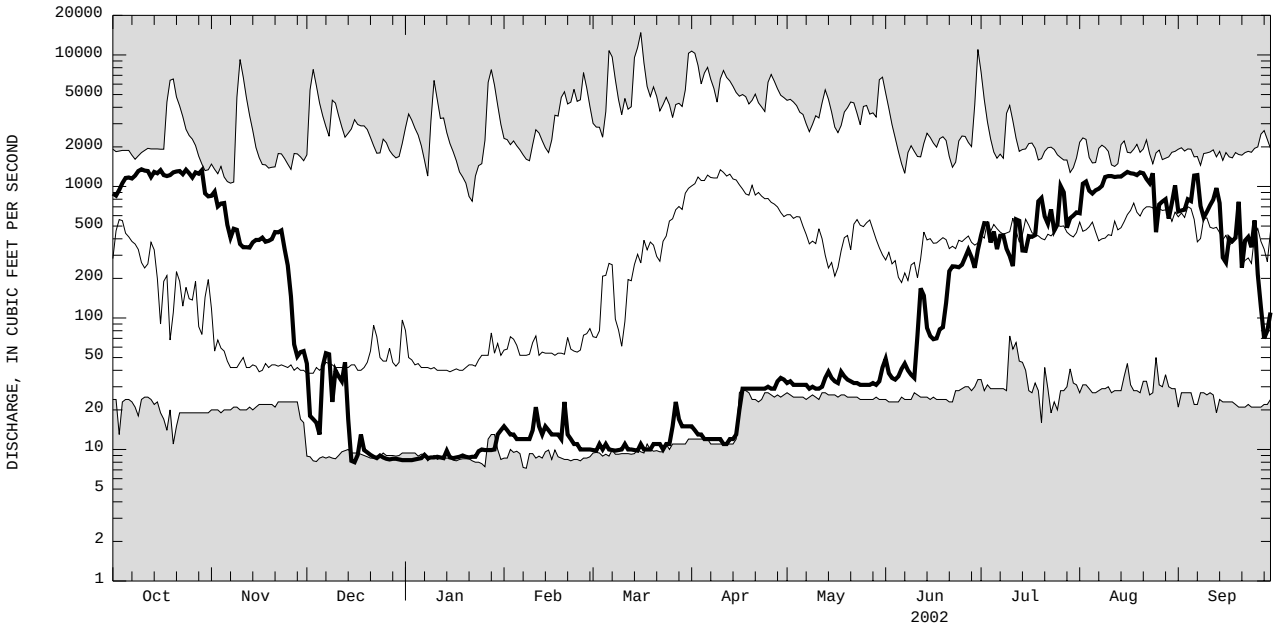
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2002, BY WATER YEAR (WY)

MEAN	512	280	326	305	394	791	1233	703	509	625	637	544
MAX	1593	1971	2644	1910	2309	2879	4389	1883	1593	1646	1675	1606
(WY)	1970	1997	1997	1978	1976	1986	1993	1996	1968	1971	1968	1972
MIN	26.2	21.5	9.10	9.25	9.89	11.1	19.7	25.2	72.7	63.9	92.3	34.0
(WY)	1964	1966	1966	2002	1967	1989	1985	1966	1965	1965	1985	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1964 - 2002	
ANNUAL TOTAL	225130.5		120594.2			
ANNUAL MEAN	617		330		572	
HIGHEST ANNUAL MEAN					1049	1997
LOWEST ANNUAL MEAN					87.3	1965
HIGHEST DAILY MEAN	7620	Apr 11	1350	Oct 10	14800	Mar 16 1986
LOWEST DAILY MEAN	8.0	Dec 16	8.0	Dec 16	7.2	Feb 8 1966
ANNUAL SEVEN-DAY MINIMUM	8.5	Dec 25	8.4	Dec 29	8.1	Jan 20 1966
10 PERCENT EXCEEDS	1270		1180		1420	
50 PERCENT EXCEEDS	368		40		313	
90 PERCENT EXCEEDS	51		9.3		21	

e Estimated

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY--Continued



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.

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963 to current year.
CHEMICAL DATA: 1959-60 (a) unpublished, 1969 (a), 1970 (a) unpublished, 1971, 1973 (b), 1974 (d), 1975 (b).
MINOR ELEMENTS DATA: 1971 (b).
NUTRIENT DATA: 1970 (a) unpublished, 1971, 1973 (b), 1974 (d), 1975 (b).
BIOLOGICAL DATA:
Bacteria--1973 (b), 1974 (d), 1975 (b).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1962 to current year.
INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. From October 1975 to February 1993, water-temperature recorder provided one-hour-interval readings. Prior to October 1975, water-temperature recorder provided continuous recordings.
REMARKS.--Water temperature is affected by release of water from upstream reservoir.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1963-78, 1980-82, 1984-86, 1988, 1990-92, 1994-95, 1997, 1999-2002), 30.5°C, July 2, 1963; minimum (water years 1963-95, 1998-2002), 0.0°C on many days during winter periods, except 1969, 1973, 1986-87, 1990-91, 1994-95, 2001.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES; Maximum, 20.0°C, June 10; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.0	13.0	13.5	12.0	11.0	11.5	10.0	7.5	8.5	0.5	0.0	0.0
2	15.5	13.5	14.0	12.0	11.0	11.0	8.5	5.5	7.5	0.5	0.0	0.0
3	16.0	14.0	15.0	12.0	11.0	11.0	8.5	5.0	6.5	1.0	0.0	0.0
4	16.0	14.5	15.5	11.5	10.5	11.0	7.5	4.0	6.0	0.5	0.0	0.0
5	16.5	15.0	15.5	10.5	10.5	10.5	9.5	7.0	8.0	1.0	0.0	0.5
6	16.0	15.0	15.5	11.0	10.0	10.5	8.5	7.0	7.5	1.5	0.0	0.5
7	16.0	15.0	15.5	10.5	10.0	10.0	8.5	6.0	7.0	0.5	0.0	0.0
8	16.0	15.0	15.5	11.0	9.5	10.0	6.5	4.5	5.5	0.5	0.0	0.0
9	16.5	15.5	15.5	10.5	9.5	9.5	5.5	4.0	4.5	0.5	0.0	0.0
10	16.5	15.5	16.0	10.5	9.0	9.5	7.0	4.0	5.5	2.0	0.5	1.0
11	16.5	15.5	16.0	9.5	8.5	9.0	7.5	5.0	6.0	1.5	0.5	1.0
12	16.0	15.5	15.5	9.0	8.0	8.5	7.5	5.0	6.0	4.0	0.5	2.0
13	16.0	15.5	15.5	9.5	8.0	8.5	7.0	6.0	6.5	1.5	0.0	0.5
14	16.0	15.0	15.5	9.0	8.0	8.5	7.0	6.0	6.5	2.0	0.0	1.0
15	16.0	15.0	15.5	9.0	8.0	8.5	7.0	3.0	4.5	2.5	1.0	1.5
16	16.0	15.0	15.5	9.0	8.0	8.0	5.5	2.0	3.5	2.5	0.0	1.5
17	15.5	14.5	15.0	8.5	7.5	8.0	4.0	3.5	3.5	2.5	0.5	1.0
18	15.5	14.5	14.5	8.5	7.0	7.5	4.5	4.0	4.0	2.0	0.0	0.5
19	15.0	14.5	14.5	8.5	7.5	7.5	6.0	3.5	4.5	0.5	0.0	0.0
20	15.0	14.0	14.5	8.0	7.0	7.5	4.5	2.5	3.5	0.5	0.0	0.0
21	15.0	14.0	14.5	8.0	7.0	7.0	3.0	1.5	2.0	0.0	0.0	0.0
22	14.5	13.5	14.0	8.0	6.5	7.0	4.5	0.5	2.0	1.0	0.0	0.5
23	14.5	13.5	14.0	8.0	6.5	7.0	3.0	0.5	2.0	1.5	0.0	1.0
24	14.5	14.0	14.0	8.0	7.0	7.5	4.5	2.0	3.5	2.5	1.5	2.0
25	14.5	13.5	14.0	8.5	8.0	8.5	3.0	0.5	1.5	4.5	0.5	2.0
26	13.5	13.0	13.0	8.0	7.5	8.0	3.0	0.0	1.0	5.0	0.0	2.0
27	13.5	12.5	13.0	8.5	7.0	8.0	1.0	0.0	0.5	5.0	0.0	2.0
28	13.0	12.5	12.5	9.0	7.5	8.0	1.0	0.0	0.5	4.0	0.0	2.0
29	13.0	12.5	12.5	8.0	7.5	8.0	0.5	0.0	0.5	4.0	0.5	2.5
30	13.0	11.5	12.5	9.0	8.0	8.5	0.5	0.0	0.0	4.5	2.5	3.5
31	11.5	11.0	11.5	---	---	---	0.5	0.0	0.0	2.5	1.5	2.0
MONTH	16.5	11.0	14.5	12.0	6.5	8.8	10.0	0.0	4.1	5.0	0.0	1.0

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	0.5	2.0	4.5	0.0	2.0	9.0	4.0	7.0	14.5	4.5	8.5
2	1.5	0.0	0.5	3.5	0.0	2.0	8.0	2.5	5.5	7.5	6.0	7.0
3	2.0	0.0	1.0	9.0	3.5	5.5	6.5	4.0	5.5	9.5	5.0	7.0
4	3.5	0.0	1.5	3.5	0.0	1.5	6.0	2.0	4.0	16.0	3.5	9.0
5	1.5	0.0	0.5	2.0	0.0	1.0	6.0	1.5	3.5	16.5	5.0	10.0
6	3.0	0.0	1.0	7.5	1.0	3.5	6.5	1.5	3.5	16.0	5.5	10.5
7	5.0	0.0	2.0	7.0	1.5	4.0	9.5	0.5	5.0	13.5	7.5	10.5
8	6.0	1.0	3.0	10.0	2.5	6.0	7.0	4.5	6.0	15.0	7.0	10.5
9	7.0	1.5	3.5	10.0	5.5	7.5	10.5	6.0	8.0	9.5	7.0	8.0
10	4.0	1.0	3.0	9.5	0.0	4.0	14.5	6.0	9.5	16.5	6.5	10.5
11	4.0	0.0	1.5	4.5	0.0	1.5	15.5	4.5	9.5	15.5	5.0	10.0
12	2.0	0.0	1.0	5.0	0.5	2.5	14.0	5.5	10.0	8.5	6.5	7.5
13	3.0	0.0	1.0	4.0	2.0	3.0	11.5	10.0	10.5	9.0	7.0	8.0
14	2.5	0.0	1.0	12.0	3.5	7.0	17.5	8.5	13.0	9.5	6.5	8.0
15	4.0	0.0	2.0	7.5	4.5	6.5	19.5	11.5	15.0	14.5	5.5	9.5
16	5.0	1.5	3.0	7.0	2.5	5.5	18.5	10.5	13.5	15.5	6.0	10.5
17	4.5	0.5	2.5	6.0	0.5	3.5	18.5	7.0	12.0	13.5	8.5	10.0
18	5.0	0.0	2.0	4.0	2.0	2.5	18.0	7.5	12.0	9.0	6.0	7.5
19	5.5	0.0	2.5	5.0	2.5	3.5	15.5	7.0	11.0	10.5	4.5	7.0
20	4.0	2.5	3.0	3.0	1.5	2.0	9.5	5.5	7.5	12.0	4.5	8.0
21	6.5	3.5	5.0	10.0	1.5	4.5	9.5	4.5	6.5	11.0	5.0	7.5
22	5.0	2.0	3.5	3.0	0.0	1.5	6.0	4.0	5.0	16.5	5.0	10.0
23	7.0	0.5	3.0	7.0	0.0	3.0	9.0	3.5	5.5	18.0	5.5	11.0
24	7.5	0.0	3.0	8.0	1.0	4.5	14.5	2.5	7.5	15.0	6.5	10.5
25	6.5	0.5	4.0	7.0	3.0	4.5	6.0	4.0	5.0	17.5	6.0	11.5
26	9.0	2.0	5.5	3.0	0.5	2.0	8.5	3.5	5.5	14.5	8.0	10.5
27	5.5	1.0	4.0	4.0	1.5	2.5	13.5	3.0	7.5	16.5	7.5	11.5
28	2.5	0.0	1.0	10.5	1.0	5.5	7.5	5.5	6.5	13.0	9.0	10.5
29	---	---	---	12.0	3.0	7.5	7.0	4.5	5.5	16.5	8.5	12.0
30	---	---	---	14.0	6.0	9.5	8.0	4.0	6.0	16.0	9.0	12.0
31	---	---	---	12.0	4.5	8.5	---	---	---	15.5	9.5	12.5
MONTH	9.0	0.0	2.4	14.0	0.0	4.1	19.5	0.5	7.7	18.0	3.5	9.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.5	10.5	14.0	9.5	7.0	8.5	10.5	8.0	9.0	13.0	12.0	12.5
2	16.5	9.0	12.5	9.5	7.5	8.0	10.0	8.0	8.5	13.0	12.0	12.5
3	18.0	7.0	12.0	10.0	7.5	8.5	9.5	8.5	9.0	14.5	12.5	13.0
4	14.0	7.5	11.0	10.0	7.5	8.5	10.0	8.5	9.0	14.0	12.5	13.0
5	17.5	9.0	12.5	10.5	7.5	8.0	10.0	8.5	9.0	14.0	12.5	13.0
6	12.5	10.5	11.0	9.0	7.0	8.0	10.0	8.0	9.0	15.0	12.5	13.5
7	19.0	9.0	13.5	10.0	7.0	8.0	10.0	8.0	9.0	14.5	13.0	14.0
8	19.0	9.5	13.5	10.5	7.5	8.5	10.0	8.5	9.0	15.0	13.0	14.0
9	19.0	9.5	14.0	8.5	7.5	8.0	10.5	8.5	9.0	15.5	13.0	14.0
10	20.0	9.5	14.5	10.5	7.5	8.5	10.5	8.5	9.5	15.5	13.5	14.5
11	17.0	9.0	12.0	11.0	7.0	8.5	10.5	9.0	9.5	14.5	13.5	14.0
12	10.0	7.5	8.5	10.0	6.5	8.0	10.5	9.0	9.5	15.5	13.0	14.0
13	11.0	7.5	9.0	10.0	7.5	8.5	10.5	9.0	10.0	15.5	14.0	14.5
14	11.0	8.5	9.5	10.5	7.5	8.5	10.5	9.5	10.0	15.5	14.0	15.0
15	12.0	8.0	9.5	9.5	7.5	8.5	11.0	9.5	10.0	15.5	14.5	15.0
16	12.5	7.5	10.0	10.5	7.5	8.5	10.5	9.5	10.0	15.0	14.0	14.5
17	15.5	7.5	11.5	10.5	7.5	8.5	11.0	10.0	10.5	16.0	14.0	14.5
18	13.5	8.5	11.0	10.0	7.5	8.5	11.0	10.0	10.5	16.0	14.0	15.0
19	16.5	9.5	13.0	9.5	7.5	8.0	11.5	10.0	10.5	16.0	14.0	15.0
20	14.0	9.0	11.5	9.5	7.5	8.0	11.5	10.5	10.5	16.5	14.5	15.5
21	11.5	7.0	9.0	10.5	7.5	8.5	12.5	10.0	11.0	16.5	15.0	15.5
22	9.5	7.0	8.0	10.5	8.0	9.0	12.0	10.5	11.0	15.5	14.5	15.0
23	10.0	7.0	8.5	9.5	7.5	8.0	12.5	11.0	11.5	16.5	15.0	15.5
24	11.5	7.5	8.5	10.5	7.5	9.0	11.5	11.0	11.5	17.0	14.0	15.0
25	10.5	7.0	8.5	10.0	7.0	8.5	12.5	11.0	11.5	16.5	14.5	15.5
26	10.0	7.5	8.5	8.5	7.5	8.0	13.0	10.5	11.5	15.5	14.5	15.0
27	10.5	7.0	8.5	9.0	8.0	8.5	13.0	11.0	12.0	15.5	14.5	15.0
28	10.5	7.5	8.5	9.5	7.5	8.5	13.5	11.0	12.0	16.0	14.5	15.0
29	11.5	7.0	8.5	9.5	8.0	8.5	12.0	11.5	11.5	17.0	13.5	15.0
30	9.5	7.0	8.0	10.0	8.0	9.0	13.5	11.5	12.0	17.5	14.0	15.5
31	---	---	---	10.5	8.0	9.0	14.0	11.5	12.5	---	---	---
MONTH	20.0	7.0	10.6	11.0	6.5	8.4	14.0	8.0	10.3	17.5	12.0	14.4

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY

LOCATION.--Lat 42°00'11", long 75°23'02", Delaware County, Hydrologic Unit 02040101, on left bank at downstream side of bridge on County Highway 56 in Hale Eddy, and 9 mi upstream from confluence of East and West Branches near Hancock. Water-quality sampling site at discharge station.
DRAINAGE AREA.--595 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1912 to current year.
REVISED RECORDS.--WSP 871: 1916. WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 946.46 ft above NGVD of 1929. Prior to Sept. 8, 1928, nonrecording gage.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Subsequent to October 1963, entire flow from 454 mi^2 drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,900 ft^3/s, Mar. 22, 1948, gage height, 15.69 ft; maximum gage height, 15.8 ft, Sept. 30, 1924, from graph based on gage readings; minimum discharge, 17 ft^3/s, Oct. 20, 1963; minimum gage height, 1.03 ft, Aug. 4, 1936.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 10, 1903, reached a stage of 20.3 ft, from floodmarks, discharge, about 46,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,170 ft^3/s, May 31, gage height, 5.84 ft; minimum discharge, 52 ft^3/s, Jan. 19, gage height, 1.29 ft (result of freezeup).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	808	797	235	e150	788	162	680	523	1210	460	593	663
2	816	763	155	e140	756	149	510	519	661	522	927	593
3	883	682	128	e140	533	199	431	469	444	560	1040	627
4	975	695	114	e140	434	184	367	368	335	471	893	755
5	1110	703	101	e140	353	157	305	316	376	441	841	726
6	1110	544	107	137	305	151	268	272	809	401	882	1120
7	1080	445	120	184	257	139	234	265	1150	396	902	1190
8	1130	448	118	e180	237	130	215	235	704	444	949	750
9	1220	473	111	e180	216	125	204	246	502	402	1100	560
10	1270	397	92	e190	230	149	260	290	379	329	1140	613
11	1250	348	106	201	1460	127	210	220	313	246	1140	676
12	1240	358	107	195	823	125	186	269	375	521	1120	740
13	1120	347	134	184	578	127	182	807	345	575	1120	921
14	1220	377	157	170	423	126	222	1370	300	380	1120	751
15	1210	393	191	160	373	118	378	943	402	337	1170	348
16	1260	401	162	154	332	152	331	629	528	424	1220	236
17	1180	409	199	147	306	147	296	519	436	424	1190	363
18	1130	392	983	134	256	142	263	1050	345	433	1180	379
19	1160	388	646	e90	223	144	240	851	289	663	1150	393
20	1210	407	463	e140	220	162	223	638	257	828	1200	744
21	1220	456	366	e160	282	188	205	507	326	611	1200	276
22	1230	436	287	e170	278	229	193	404	336	527	1070	608
23	1160	460	247	181	243	196	177	327	354	584	984	790
24	1270	368	256	265	215	204	154	276	390	578	1190	460
25	1200	297	227	672	201	208	168	240	341	440	557	589
26	1110	291	192	502	194	402	203	209	390	895	597	300
27	1190	150	168	439	210	1950	160	186	419	889	736	288
28	1170	112	e170	405	186	1160	385	341	384	539	731	347
29	1230	116	e170	366	---	924	816	296	291	553	607	185
30	892	131	e170	749	---	941	618	442	362	537	618	180
31	782	---	e160	765	---	810	---	1270	---	618	945	---
TOTAL	34836	12584	6842	7830	10912	10127	9084	15297	13753	16028	30112	17171
MEAN	1124	419	221	253	390	327	303	493	458	517	971	572
MAX	1270	797	983	765	1460	1950	816	1370	1210	895	1220	1190
MIN	782	112	92	90	186	118	154	186	257	246	557	180

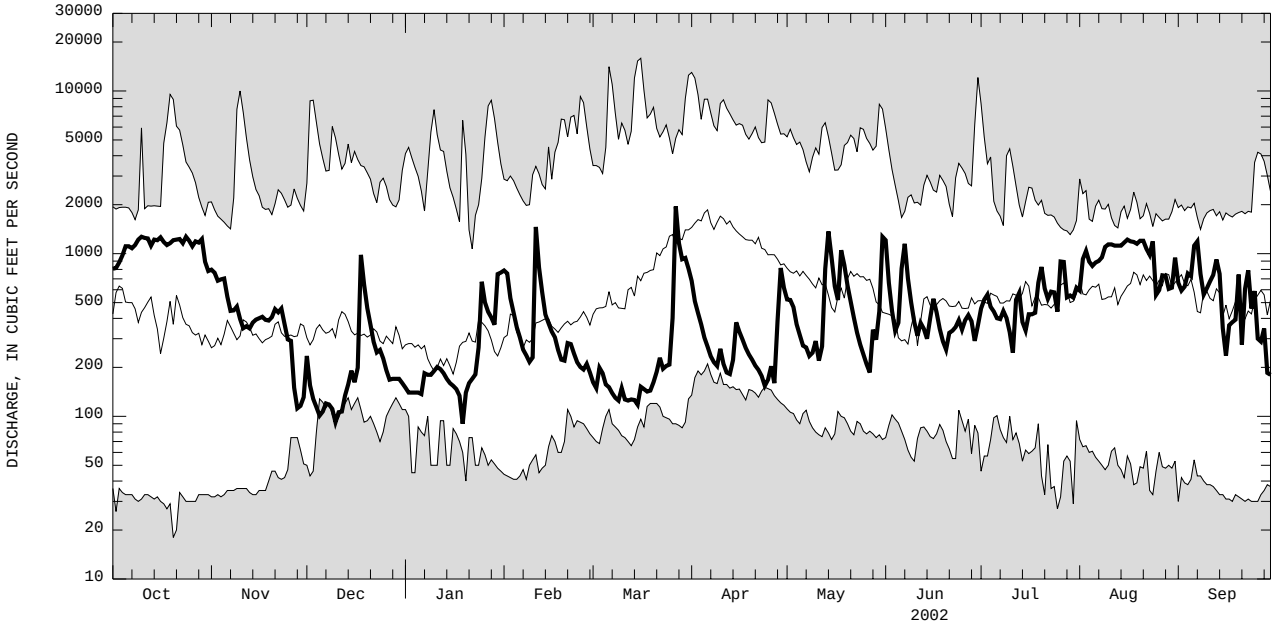
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2002, BY WATER YEAR (WY)

MEAN	646	532	606	547	674	1242	1702	972	641	689	679	615
MAX	2123	2346	3164	2494	3107	3617	5167	2322	1899	1456	1698	1604
(WY)	1976	1997	1997	1978	1976	1986	1993	1996	1968	1971	1968	1972
MIN	33.2	41.8	172	127	94.2	158	194	122	132	76.2	107	45.4
(WY)	1964	1965	1982	1970	1989	1981	1985	1985	1965	1965	1985	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1964 - 2002	
ANNUAL TOTAL	265427		184576			
ANNUAL MEAN	727		506		796	
HIGHEST ANNUAL MEAN					1411	1978
LOWEST ANNUAL MEAN					204	1965
HIGHEST DAILY MEAN	8830	Apr 11	1950	Mar 27	15900	Mar 16 1986
LOWEST DAILY MEAN	74	May 29	90	Jan 19	18	Oct 20 1963
ANNUAL SEVEN-DAY MINIMUM	85	May 23	108	Dec 5	26	Oct 15 1963
10 PERCENT EXCEEDS	1220		1130		1770	
50 PERCENT EXCEEDS	402		390		475	
90 PERCENT EXCEEDS	129		150		123	

e Estimated

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY--Continued



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.

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1968 to current year.
CHEMICAL DATA: 1958-59 (d), 1970 (b), 1971-74 (d), 1975 (c).
MINOR ELEMENTS DATA: 1971-74 (a).
ORGANIC DATA: OC--1974 (a), 1975 (c).
NUTRIENT DATA: 1971-74 (d), 1975 (c).
BIOLOGICAL DATA:
Bacteria--1971, 1973 (c); 1974 (d); 1975 (c).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1967 to current year (no winter record for water years 1969-77).
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. From October 1976 to April 1993, water-temperature recorder provided one-hour-interval readings. Prior to October 1976, water-temperature recorder provided continuous readings.
REMARKS.--Water temperature is affected by release of water from upstream reservoir.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1968-77, 1979-83, 1985, 1988-96, 1998-2002), 30.5°C, July 22, 23, 1972, June 16, 1981; minimum (water years 1968, 1978-2002), 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 24.0°C, June 11, 20; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.5	12.0	14.0	13.0	10.5	11.5	11.0	9.0	9.5	0.0	0.0	0.0
2	17.0	12.5	14.5	13.0	10.5	11.5	9.5	6.5	8.5	0.0	0.0	0.0
3	18.0	13.5	15.0	13.0	10.5	12.0	8.0	5.5	6.5	0.5	0.0	0.0
4	18.0	14.0	15.5	12.5	10.5	11.5	6.5	4.0	5.5	0.0	0.0	0.0
5	18.0	14.5	16.0	10.5	9.5	10.0	8.5	6.0	7.5	0.5	0.0	0.0
6	16.5	14.0	15.5	11.0	9.0	9.5	8.5	7.0	7.5	0.5	0.0	0.0
7	15.5	14.0	14.5	10.5	8.5	9.5	8.5	5.0	7.0	0.0	0.0	0.0
8	16.0	14.0	15.0	10.5	8.0	9.5	5.0	1.5	4.0	0.0	0.0	0.0
9	17.0	14.0	15.0	10.0	8.0	9.0	3.5	1.5	2.5	0.0	0.0	0.0
10	17.5	14.5	15.5	10.5	7.5	8.5	4.5	2.0	3.5	0.0	0.0	0.0
11	18.0	14.5	15.5	9.0	7.0	8.0	5.5	3.0	4.0	0.0	0.0	0.0
12	17.0	15.0	15.5	8.5	6.0	7.0	5.5	3.0	4.5	0.5	0.0	0.0
13	17.5	15.0	16.0	9.5	5.5	7.5	5.5	4.5	5.0	0.0	0.0	0.0
14	16.5	15.0	15.5	9.0	6.0	7.5	6.5	5.5	6.0	0.5	0.0	0.0
15	17.0	14.0	15.5	10.0	8.0	9.0	6.5	3.5	5.0	0.5	0.0	0.0
16	16.5	14.0	15.0	10.0	8.0	9.0	4.0	2.5	3.5	0.5	0.0	0.0
17	15.5	13.5	14.5	9.0	6.0	7.5	3.5	2.5	3.0	0.5	0.0	0.0
18	16.0	13.5	14.0	9.0	5.5	7.0	4.5	3.5	4.0	0.0	0.0	0.0
19	15.5	13.0	14.0	9.5	6.5	8.0	5.0	4.0	4.5	0.0	0.0	0.0
20	16.0	13.5	14.5	8.0	5.5	7.5	4.5	3.5	4.0	0.0	0.0	0.0
21	16.0	13.5	14.5	8.0	5.0	6.5	3.5	2.0	2.5	0.0	0.0	0.0
22	15.0	13.5	14.0	8.0	5.0	6.5	3.0	1.0	2.0	0.0	0.0	0.0
23	15.0	13.0	14.0	8.0	5.0	6.5	2.5	0.0	1.5	0.0	0.0	0.0
24	15.5	14.0	14.5	9.0	6.5	7.5	3.5	2.0	3.0	0.0	0.0	0.0
25	15.5	12.5	14.0	11.0	9.0	10.0	2.0	0.5	1.5	0.5	0.0	0.0
26	13.5	12.0	12.5	9.0	8.0	8.5	1.0	0.0	0.5	0.5	0.0	0.0
27	13.5	12.0	12.5	8.5	7.0	8.0	0.0	0.0	0.0	0.5	0.0	0.0
28	13.0	11.5	12.0	10.5	8.0	9.0	0.0	0.0	0.0	1.0	0.0	0.5
29	14.0	11.5	12.5	9.0	7.5	8.0	0.0	0.0	0.0	3.0	0.5	1.5
30	13.5	10.5	12.0	10.5	7.5	9.0	0.0	0.0	0.0	3.0	2.5	2.5
31	11.0	10.5	10.5	---	---	---	0.0	0.0	0.0	2.5	1.5	2.0
MONTH	18.0	10.5	14.3	13.0	5.0	8.7	11.0	0.0	3.8	3.0	0.0	0.2

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.5	1.5	2.0	4.0	0.0	1.5	8.0	5.5	7.0	13.0	6.0	9.5
2	2.0	0.0	1.0	2.5	0.0	1.5	6.5	4.0	5.5	10.5	8.5	9.0
3	2.5	0.0	1.0	8.0	2.5	5.5	6.5	5.0	6.0	10.5	7.5	9.0
4	2.5	0.0	1.5	5.0	0.0	2.5	6.0	3.5	4.5	14.5	6.0	10.0
5	1.5	0.0	0.5	1.5	0.0	0.5	5.5	2.5	4.0	16.5	8.5	12.5
6	2.5	0.0	1.0	6.5	0.0	2.5	6.0	2.0	3.5	16.5	10.0	13.5
7	4.0	0.0	1.5	6.0	2.0	4.0	8.0	0.5	4.5	16.5	13.0	15.0
8	5.5	1.0	3.0	9.0	2.5	6.0	7.0	4.5	6.0	18.0	12.5	15.5
9	6.0	2.0	3.5	10.0	6.5	8.0	11.0	6.0	8.5	14.5	10.5	12.0
10	3.5	1.5	2.5	10.0	2.0	6.0	13.5	7.5	10.0	18.0	10.0	13.5
11	3.5	0.0	1.5	5.5	0.0	2.5	14.5	6.5	10.5	17.5	10.0	13.5
12	2.0	0.0	1.0	4.5	0.5	2.5	13.5	7.0	10.5	14.0	10.0	11.5
13	2.5	0.0	1.5	3.5	2.5	3.0	13.0	11.5	12.0	10.5	10.0	10.5
14	2.5	0.0	0.5	10.5	3.5	6.5	17.5	11.0	14.0	11.0	9.0	10.0
15	2.5	0.0	1.0	8.5	6.0	7.5	18.5	13.0	15.5	14.0	8.0	10.5
16	4.0	1.5	2.5	8.0	4.0	7.0	20.0	13.0	16.5	15.0	8.5	12.0
17	4.0	1.5	3.0	6.0	2.0	4.0	21.0	14.5	17.5	15.5	12.0	13.5
18	4.0	0.0	1.5	4.0	2.0	2.5	22.5	15.5	18.5	12.5	8.5	10.0
19	4.5	0.0	2.0	4.5	2.5	3.0	20.5	15.5	18.0	10.0	7.0	8.5
20	4.5	2.0	3.5	3.0	1.0	2.0	17.0	11.5	14.0	10.5	6.5	8.5
21	6.0	4.0	5.0	8.0	2.0	4.0	12.0	9.0	10.5	11.0	6.5	8.5
22	5.0	2.5	4.0	4.0	0.0	2.0	9.5	6.0	7.5	15.5	7.0	11.0
23	5.5	1.5	3.0	7.0	0.0	3.0	11.0	5.0	7.5	18.0	9.0	13.5
24	6.0	0.0	2.5	7.0	2.0	4.5	15.5	5.0	10.0	16.0	11.5	14.0
25	6.0	1.0	3.5	6.5	3.0	4.5	11.0	6.5	8.0	19.0	11.0	15.0
26	8.0	2.5	5.0	3.0	1.0	2.0	10.5	5.0	7.5	17.0	13.0	15.0
27	6.0	2.0	4.5	3.0	1.0	2.0	14.0	5.0	9.5	20.0	13.5	17.0
28	3.0	0.0	1.5	7.0	1.5	4.0	11.0	8.0	9.0	18.0	15.0	16.5
29	---	---	---	8.0	2.5	5.5	8.0	6.0	7.5	19.5	14.5	17.0
30	---	---	---	10.0	5.5	7.5	8.5	5.5	7.0	21.5	16.0	18.0
31	---	---	---	9.0	5.0	7.5	---	---	---	17.5	14.5	16.0
MONTH	8.0	0.0	2.3	10.5	0.0	4.0	22.5	0.5	9.7	21.5	6.0	12.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.5	13.5	16.0	17.5	10.5	14.0	16.0	9.0	12.0	15.0	12.0	13.0
2	18.0	14.0	16.0	17.5	10.0	13.0	13.0	8.5	10.5	16.5	12.0	14.0
3	18.5	11.5	15.0	18.5	9.0	13.0	14.0	9.0	10.5	18.5	12.5	15.0
4	16.5	12.5	15.0	17.5	9.0	13.0	14.5	8.5	11.0	18.0	13.5	15.0
5	19.5	14.0	16.5	16.5	10.0	13.0	14.0	9.0	11.0	16.0	12.5	14.0
6	18.0	14.5	16.0	15.0	8.0	11.5	14.0	9.0	11.0	17.0	12.0	14.0
7	18.5	13.0	15.5	17.5	9.0	13.0	13.5	8.0	10.5	17.0	12.5	14.5
8	19.5	13.5	16.5	18.5	8.0	13.0	13.5	8.0	10.5	19.0	13.0	15.5
9	21.5	15.0	18.0	13.0	9.0	11.0	14.0	8.0	10.5	19.5	13.0	16.0
10	23.0	16.0	19.0	18.5	10.0	14.0	14.0	8.5	10.5	19.0	13.5	16.0
11	24.0	16.5	20.0	19.0	10.5	14.5	14.0	8.5	11.0	15.5	13.5	14.5
12	20.5	16.5	18.0	15.5	9.0	12.5	14.0	9.0	11.0	17.5	13.0	14.5
13	17.0	14.0	15.5	15.0	7.5	11.0	14.5	9.5	11.0	18.0	13.0	15.0
14	15.5	14.0	15.0	17.0	8.5	12.5	13.5	9.5	11.0	18.5	13.5	15.5
15	15.5	13.5	14.5	17.0	10.5	14.0	13.0	10.0	11.0	17.5	15.0	16.5
16	17.5	13.5	15.0	18.5	10.5	13.5	13.5	10.0	11.0	17.0	15.5	16.0
17	19.0	13.5	16.0	18.5	9.0	13.0	14.0	10.0	11.5	19.5	14.0	16.5
18	20.5	14.0	17.0	18.0	9.5	13.0	14.5	10.0	12.0	18.5	13.5	16.0
19	23.0	15.0	19.0	12.5	8.5	10.5	14.5	10.0	12.0	17.5	13.5	16.0
20	24.0	15.5	20.0	14.0	8.0	10.5	13.5	10.5	11.5	19.0	15.0	16.5
21	21.5	15.0	18.5	14.5	8.0	11.0	15.5	10.0	12.0	19.0	15.5	17.0
22	17.5	14.0	16.0	17.5	9.0	12.5	15.0	10.5	12.0	18.0	16.5	17.0
23	18.5	13.0	15.5	14.0	8.5	11.0	15.0	11.5	13.0	18.5	15.0	16.5
24	21.0	14.5	17.5	15.0	8.5	11.5	12.5	11.5	12.0	19.0	14.0	16.0
25	19.5	14.0	17.0	14.5	10.5	12.5	18.0	11.5	14.5	18.0	14.0	15.5
26	19.0	14.0	16.5	11.0	8.5	9.5	16.5	11.5	14.0	16.0	14.5	15.0
27	18.5	12.5	15.5	12.0	8.5	9.5	15.5	11.5	13.0	15.0	14.0	14.5
28	17.5	11.5	14.5	13.5	8.5	10.5	16.0	11.5	13.5	17.0	14.5	15.5
29	19.5	12.5	16.0	15.5	9.5	12.0	13.0	11.5	12.5	18.5	12.5	15.5
30	18.0	12.0	15.0	16.0	9.5	12.5	17.0	12.0	13.5	19.0	14.0	16.5
31	---	---	---	15.5	8.5	11.5	17.0	12.0	14.0	---	---	---
MONTH	24.0	11.5	16.5	19.0	7.5	12.2	18.0	8.0	11.8	19.5	12.0	15.4

01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, NY

LOCATION.--Lat 41°57'08", long 75°17'31", Delaware County, Hydrologic Unit 02040101, at bridge at end of Pennsylvania State Highway 191 in Hancock, and 1.3 mi upstream from confluence with East Branch Delaware River.
DRAINAGE AREA.--650 mi^2.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1996 to current year.
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings.
REMARKS.--Water temperature is affected by release of water from upstream reservoir.
EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURES: Maximum, 24.5°C, Sept. 18, 1997, June 13, 2001; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 23.0°C, June 21; minimum, 0.0°C on many days during winter period.

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.5	11.5	13.5	12.0	9.5	11.0	10.0	8.0	9.0	0.0	0.0	0.0
2	16.0	12.5	14.5	12.5	10.0	11.5	9.0	6.0	7.5	0.0	0.0	0.0
3	17.0	13.0	15.0	13.0	11.5	12.5	7.5	5.0	6.0	0.0	0.0	0.0
4	17.5	13.5	15.5	12.5	10.0	11.5	6.5	3.5	5.0	0.0	0.0	0.0
5	17.0	14.5	15.5	11.0	8.5	9.5	8.5	6.0	7.0	0.0	0.0	0.0
6	16.0	14.5	15.0	9.5	8.0	8.5	8.5	6.5	7.5	0.5	0.0	0.0
7	14.5	12.5	13.5	9.0	7.5	8.5	8.5	5.0	7.0	0.0	0.0	0.0
8	14.5	12.0	13.5	9.0	7.5	8.0	5.0	2.0	3.5	0.0	0.0	0.0
9	15.5	12.5	14.0	9.5	7.0	8.0	4.0	2.0	3.0	0.0	0.0	0.0
10	16.5	13.0	15.0	8.5	6.0	7.0	4.5	2.5	3.5	0.0	0.0	0.0
11	17.0	13.5	15.5	7.5	5.5	7.0	5.5	2.5	3.5	0.0	0.0	0.0
12	16.5	14.0	15.5	6.0	4.5	5.5	5.5	2.5	4.0	0.5	0.0	0.0
13	17.0	15.0	16.0	7.0	4.0	5.5	5.5	4.0	4.5	0.5	0.0	0.0
14	16.0	14.5	15.5	7.5	5.0	6.0	6.0	5.0	5.5	0.5	0.0	0.0
15	16.5	14.5	15.5	9.5	7.5	8.5	6.0	3.5	5.0	1.0	0.5	0.5
16	15.5	13.0	14.5	10.0	8.0	9.0	4.5	2.5	3.5	1.0	0.0	0.5
17	14.5	12.5	13.5	8.0	6.5	7.5	4.0	3.5	3.5	1.5	0.0	0.5
18	14.5	12.0	13.0	7.5	5.0	6.5	4.5	4.0	4.0	0.5	0.0	0.0
19	14.0	11.5	13.0	8.0	6.0	7.0	5.0	4.0	4.5	0.0	0.0	0.0
20	15.0	13.0	14.0	8.0	5.5	7.0	4.5	3.5	4.0	0.0	0.0	0.0
21	15.5	12.0	14.0	6.0	4.0	5.5	3.5	2.5	3.0	0.0	0.0	0.0
22	14.5	13.0	14.0	6.5	4.5	5.5	3.0	2.0	2.5	0.0	0.0	0.0
23	14.5	12.5	13.5	6.5	4.5	5.5	3.0	1.0	2.0	0.5	0.0	0.0
24	15.5	14.0	14.5	8.5	6.5	7.0	4.0	2.0	3.0	0.0	0.0	0.0
25	15.5	13.0	14.0	11.0	8.5	10.0	2.0	1.0	1.5	0.5	0.0	0.0
26	13.0	11.5	12.0	9.0	8.0	8.5	1.5	0.0	0.5	1.0	0.0	0.0
27	12.5	11.0	11.5	8.0	6.5	7.5	0.0	0.0	0.0	1.0	0.0	0.5
28	12.0	10.5	11.0	9.5	7.5	8.5	0.0	0.0	0.0	1.0	0.0	0.5
29	13.0	10.0	11.5	8.5	7.5	8.0	0.0	0.0	0.0	1.0	0.5	1.0
30	12.5	10.5	11.5	9.5	7.5	8.5	0.5	0.0	0.0	2.5	1.0	1.5
31	10.5	9.0	9.5	---	---	---	0.0	0.0	0.0	2.0	2.0	2.0
MONTH	17.5	9.0	13.8	13.0	4.0	8.0	10.0	0.0	3.7	2.5	0.0	0.2

01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, NY--Continued

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.5	2.0	2.0	3.5	0.0	1.0	7.5	5.5	7.0	11.5	6.0	8.5
2	2.0	0.5	1.0	2.5	0.0	1.5	6.5	4.0	5.5	9.5	8.0	8.5
3	2.0	0.0	1.0	6.5	2.5	4.5	6.0	5.0	6.0	10.0	7.5	8.5
4	2.5	0.5	1.5	3.5	0.0	2.0	6.5	3.5	5.0	13.0	6.0	9.5
5	1.0	0.0	0.5	1.5	0.0	0.5	5.0	2.5	3.5	14.5	7.5	11.0
6	2.0	0.0	0.5	5.5	0.5	2.5	5.5	2.0	3.5	15.0	9.0	12.0
7	3.0	0.0	1.5	5.5	1.0	3.0	7.0	1.0	4.0	15.0	11.5	13.5
8	4.5	1.5	2.5	8.0	2.0	4.5	6.0	4.0	5.0	16.0	11.5	13.5
9	5.0	1.5	3.0	9.0	5.0	7.0	9.5	5.5	7.5	13.0	10.0	11.0
10	3.5	1.5	2.5	8.5	1.5	5.0	12.0	7.0	9.0	16.0	10.0	12.5
11	3.0	0.0	1.5	5.5	0.0	2.0	12.5	6.0	9.0	15.5	9.0	12.0
12	2.0	0.0	1.0	4.0	0.5	2.0	13.0	6.5	9.5	12.0	10.0	10.5
13	2.5	0.0	1.0	3.5	2.0	3.0	12.0	10.0	10.5	10.0	9.5	10.0
14	1.0	0.0	0.5	9.0	3.0	5.5	16.0	9.5	12.5	10.5	9.0	9.5
15	2.0	0.0	1.0	7.5	4.5	6.0	16.5	11.0	14.0	12.5	8.0	10.0
16	4.0	1.5	2.5	6.5	3.5	5.5	18.0	12.0	15.0	13.5	8.5	11.5
17	4.5	1.5	2.5	5.5	1.5	3.5	19.0	13.0	16.0	14.5	11.5	12.5
18	3.0	0.0	1.0	3.5	2.5	2.5	20.0	14.0	17.0	11.5	8.5	9.5
19	3.5	0.0	1.5	4.0	2.5	3.0	19.0	14.0	16.0	10.0	7.0	8.5
20	4.5	2.0	3.0	3.0	1.0	2.0	15.0	11.0	13.0	10.0	6.5	8.5
21	5.5	3.5	4.5	7.0	2.0	3.5	12.0	9.0	10.0	10.5	6.5	8.5
22	4.0	2.5	3.5	3.5	0.0	1.5	9.0	6.5	8.0	13.5	6.5	10.0
23	4.5	1.5	2.5	5.5	0.0	2.5	9.5	5.5	7.5	16.0	8.5	12.0
24	5.0	0.0	2.0	6.0	1.5	4.0	13.5	5.0	9.0	15.5	10.5	13.0
25	5.0	1.0	3.0	5.5	2.5	3.5	9.0	6.0	7.5	17.0	10.0	13.5
26	7.0	2.0	4.0	2.5	1.5	2.0	10.5	5.0	7.5	15.5	12.5	14.0
27	5.0	1.5	3.5	3.0	1.5	2.0	12.5	4.5	8.5	17.5	12.5	15.0
28	3.5	0.0	1.5	6.0	1.5	4.0	9.0	7.5	8.0	15.5	13.5	14.0
29	---	---	---	7.5	3.0	5.0	8.0	6.0	7.5	17.0	13.5	15.0
30	---	---	---	9.0	5.5	7.0	8.0	5.5	6.5	19.0	14.5	16.5
31	---	---	---	9.0	5.5	7.5	---	---	---	19.0	15.5	16.5
MONTH	7.0	0.0	2.0	9.0	0.0	3.5	20.0	1.0	8.9	19.0	6.0	11.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.5	14.5	16.5	21.0	17.5	19.5	18.5	13.5	16.0	16.5	13.0	14.5
2	17.5	14.0	16.0	20.5	17.0	19.0	16.5	13.0	14.5	17.0	14.0	15.5
3	17.5	12.0	15.0	20.5	14.5	18.0	16.0	10.0	13.0	19.0	14.0	17.0
4	16.5	13.0	15.0	20.0	15.0	18.0	16.0	10.0	13.0	19.0	16.0	18.0
5	18.5	13.5	16.0	19.5	17.0	18.0	14.5	11.0	13.0	17.5	14.0	16.0
6	17.0	14.5	15.5	17.0	13.0	15.0	15.0	11.0	13.0	17.0	13.0	15.0
7	17.0	13.5	15.5	19.5	14.0	17.0	14.5	10.0	12.5	17.5	12.5	15.5
8	17.5	14.0	15.5	19.5	14.0	17.0	14.5	10.0	12.5	19.0	13.5	16.0
9	19.5	14.5	16.5	18.0	15.0	16.0	15.0	9.5	12.5	20.0	15.0	17.5
10	20.5	15.5	18.0	20.5	14.5	17.5	15.5	9.5	12.5	19.5	16.0	18.0
11	21.5	16.0	18.5	21.5	15.0	18.0	15.5	9.5	12.5	18.5	14.5	16.0
12	20.5	18.0	19.0	19.0	15.5	17.5	15.0	10.0	13.0	17.0	12.5	15.0
13	19.0	16.5	17.5	16.5	12.5	15.0	16.0	10.5	13.5	18.0	13.0	15.5
14	17.0	14.5	15.5	18.5	13.0	16.0	15.0	10.5	13.0	18.0	14.0	16.5
15	14.5	14.0	14.5	20.5	16.0	18.5	14.5	11.0	13.0	18.0	16.5	17.5
16	16.5	14.0	15.5	22.0	17.0	19.0	15.5	11.0	13.0	18.5	17.0	18.0
17	18.0	14.0	16.0	20.5	14.5	18.0	15.5	11.0	13.5	19.5	16.0	17.5
18	19.0	14.0	16.5	21.0	16.0	18.5	15.5	11.5	13.5	18.5	15.5	17.0
19	21.0	15.5	18.0	19.0	13.0	16.0	15.5	11.5	13.5	18.0	16.0	17.0
20	22.0	16.0	19.0	16.5	10.0	13.0	15.0	11.5	13.5	19.5	17.0	18.5
21	23.0	17.5	20.0	15.5	10.5	13.5	16.0	11.0	13.5	19.5	17.0	18.5
22	21.5	18.0	20.0	19.5	13.5	16.5	15.5	11.5	13.5	19.5	17.5	18.5
23	21.0	17.5	19.0	18.0	14.0	16.0	16.5	12.5	14.5	18.5	16.5	17.5
24	22.5	18.0	20.5	16.0	10.5	13.5	15.5	12.5	13.5	18.5	15.0	16.5
25	22.5	18.5	20.5	18.5	15.0	16.5	18.0	12.0	15.0	17.0	15.0	16.0
26	22.5	19.0	21.0	16.0	11.5	13.0	18.0	15.5	16.5	16.5	15.0	15.5
27	22.5	19.0	20.5	13.5	10.0	11.5	16.5	13.0	15.0	15.0	14.5	14.5
28	20.5	18.0	19.0	15.0	10.5	12.5	16.5	13.5	15.5	16.5	14.5	15.5
29	22.5	16.0	19.5	18.0	13.5	15.5	15.5	13.0	14.0	17.5	13.0	15.0
30	22.5	18.0	20.5	19.0	14.5	16.5	17.0	13.5	15.0	18.0	14.0	16.0
31	---	---	---	18.0	13.5	16.0	17.5	13.0	15.5	---	---	---
MONTH	23.0	12.0	17.7	22.0	10.0	16.3	18.5	9.5	13.7	20.0	12.5	16.5

01427301 DELAWARE RIVER NEAR HANKINS, NY

LOCATION.--Lat 41°49'25", long 75°06'48", Sullivan County, Hydrologic Unit 02040101, on left bank 5 ft downstream from Kellams Bridge, and 1.5 mi northwest of Hankins.
DRAINAGE AREA.--1,668 mi^2.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: August 1993 to current year.
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. Prior to March 1994, water-temperature recorder provided 15-minute-interval readings.
REMARKS.--Water temperature is affected by release of water from upstream reservoir.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 27.5°C, July 15, 1995, July 3, 4, 2002; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 27.5°C, July 3, 4; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.0	12.5	14.0	9.0	7.0	8.0	10.0	8.5	9.0	0.0	0.0	0.0
2	16.5	13.5	15.0	10.5	9.0	10.0	9.0	7.5	8.5	0.0	0.0	0.0
3	17.0	14.5	16.0	12.5	10.5	11.5	7.5	6.5	7.0	0.5	0.0	0.0
4	18.0	15.5	17.0	12.0	10.5	11.0	6.5	5.5	6.0	0.0	0.0	0.0
5	18.0	16.0	17.0	10.5	8.5	9.5	6.5	5.5	6.0	0.0	0.0	0.0
6	16.5	14.0	15.5	8.5	7.0	7.5	7.0	6.0	6.5	0.0	0.0	0.0
7	14.0	12.0	13.0	7.5	6.5	7.0	8.0	6.5	7.0	0.0	0.0	0.0
8	12.0	10.5	11.5	7.5	6.0	6.5	6.5	4.0	5.5	0.0	0.0	0.0
9	12.5	10.5	11.5	7.0	6.0	6.5	4.0	3.0	3.5	0.0	0.0	0.0
10	14.5	12.0	13.0	6.0	5.0	5.5	3.5	2.5	3.0	0.0	0.0	0.0
11	15.5	13.0	14.5	6.0	5.0	5.5	4.0	2.5	3.0	0.0	0.0	0.0
12	16.5	14.5	15.5	5.0	4.0	4.5	4.0	2.5	3.0	0.5	0.0	0.0
13	17.5	15.5	16.5	4.5	3.0	3.5	4.5	3.5	4.0	0.0	0.0	0.0
14	16.5	15.5	16.0	5.0	3.5	4.0	5.0	4.5	4.5	0.0	0.0	0.0
15	16.0	14.5	15.5	7.0	5.0	6.0	5.5	4.0	5.0	0.5	0.0	0.0
16	14.5	13.5	14.0	8.5	7.0	7.5	4.0	3.0	3.5	0.5	0.0	0.0
17	13.5	11.5	13.0	8.0	6.5	7.0	3.0	3.0	3.0	0.5	0.0	0.0
18	12.0	10.5	11.0	6.5	5.5	6.0	4.0	3.0	3.5	0.5	0.0	0.0
19	12.0	10.5	11.0	6.5	5.0	6.0	4.5	4.0	4.0	0.0	0.0	0.0
20	13.5	11.0	12.0	7.0	5.5	6.0	4.0	3.5	3.5	0.0	0.0	0.0
21	14.0	12.0	13.0	5.5	4.5	5.0	3.5	2.0	3.0	0.0	0.0	0.0
22	14.5	13.5	14.0	5.0	4.0	4.5	2.0	1.5	2.0	0.0	0.0	0.0
23	13.5	12.5	13.0	5.0	4.0	4.5	1.5	1.0	1.0	0.0	0.0	0.0
24	15.5	13.0	14.5	7.0	5.0	5.5	2.5	1.5	2.0	0.0	0.0	0.0
25	15.5	13.5	14.5	9.5	7.0	8.5	2.0	1.0	1.5	0.5	0.0	0.0
26	13.5	10.5	12.0	9.5	9.0	9.5	1.0	0.0	0.5	0.5	0.0	0.0
27	10.5	9.5	10.0	9.0	8.0	8.5	0.0	0.0	0.0	0.5	0.0	0.0
28	10.0	9.0	9.5	9.0	8.0	8.5	0.0	0.0	0.0	1.0	0.0	0.0
29	10.0	8.0	9.0	8.5	8.0	8.0	0.0	0.0	0.0	0.5	0.0	0.0
30	11.0	9.5	10.0	8.5	8.0	8.0	0.0	0.0	0.0	0.5	0.5	0.5
31	10.0	7.5	8.5	---	---	---	0.0	0.0	0.0	0.5	0.0	0.5
MONTH	18.0	7.5	13.2	12.5	3.0	7.0	10.0	0.0	3.5	1.0	0.0	0.0

01427301 DELAWARE RIVER NEAR HANKINS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.0	0.5	1.0	2.5	1.0	1.5	8.5	6.5	7.5	10.0	6.5	8.5
2	1.5	1.0	1.0	2.0	0.5	1.5	6.5	5.5	6.0	10.0	9.0	9.5
3	1.0	0.0	0.5	4.5	2.0	3.5	6.5	5.5	6.0	9.5	8.0	8.5
4	1.5	0.5	1.0	4.5	2.0	3.5	6.5	4.5	5.5	11.0	7.5	9.5
5	0.5	0.0	0.0	2.0	0.5	1.0	5.5	4.0	4.5	13.5	9.5	11.5
6	0.5	0.0	0.0	3.0	0.5	1.5	4.5	3.0	3.5	14.5	11.5	13.0
7	1.5	0.0	0.5	4.0	2.0	3.0	5.5	2.5	4.0	15.5	13.5	14.5
8	2.5	1.0	2.0	6.0	3.0	4.5	6.0	5.0	5.5	16.0	14.0	15.0
9	3.5	2.0	3.0	8.5	5.5	7.0	8.5	6.0	7.0	15.0	12.0	13.5
10	3.0	2.5	2.5	8.5	4.5	7.0	11.0	8.0	9.5	15.0	11.5	13.0
11	3.0	1.0	2.0	4.5	2.5	3.5	12.0	9.0	10.5	15.0	12.0	14.0
12	1.0	0.0	0.5	3.0	2.0	2.5	11.0	9.5	10.5	14.0	11.5	13.0
13	1.5	0.5	1.0	3.0	2.5	2.5	12.0	11.0	11.5	11.5	10.0	11.0
14	0.5	0.0	0.0	6.5	3.0	4.5	14.5	11.5	13.0	10.0	9.5	10.0
15	1.5	0.0	0.5	7.5	5.5	6.5	16.5	13.5	15.0	11.5	8.5	10.0
16	2.5	1.0	2.0	7.5	6.0	7.0	17.0	14.5	16.0	13.0	10.0	11.5
17	3.5	2.5	2.5	6.0	4.5	5.0	18.5	15.5	17.0	14.0	12.5	13.0
18	2.5	1.0	2.0	4.5	3.0	3.5	20.0	17.0	18.5	13.0	9.5	11.0
19	2.5	0.5	1.5	4.0	3.0	3.5	19.5	17.5	18.5	9.5	8.0	9.0
20	3.5	2.0	3.0	3.5	2.0	2.5	18.0	14.5	16.5	9.5	7.5	8.5
21	5.0	3.5	4.5	5.0	2.0	3.5	14.5	11.5	13.0	9.5	8.0	9.0
22	5.0	4.0	4.5	3.5	1.5	2.0	11.5	8.0	10.0	12.0	8.0	10.0
23	4.0	3.0	3.5	3.5	1.0	2.0	9.0	7.0	8.0	14.5	10.5	12.5
24	4.0	2.0	3.0	5.0	2.5	4.0	11.0	6.5	9.0	15.0	13.0	14.0
25	4.0	2.5	3.5	5.0	4.0	4.5	10.0	7.5	9.0	16.5	13.0	15.0
26	5.5	3.0	4.5	4.0	2.5	3.5	9.0	7.0	8.0	16.0	14.5	15.5
27	5.5	4.0	5.0	3.0	2.0	2.5	10.5	7.0	9.0	18.0	15.0	16.5
28	4.0	2.0	2.5	5.0	2.0	3.5	10.0	8.5	9.0	17.0	14.5	16.0
29	---	---	---	6.5	4.0	5.0	8.5	7.0	8.0	15.5	13.5	14.5
30	---	---	---	8.5	6.0	7.5	7.5	6.5	7.0	18.0	15.0	16.0
31	---	---	---	8.5	7.0	8.0	---	---	---	17.5	16.0	16.5
MONTH	5.5	0.0	2.1	8.5	0.5	3.9	20.0	2.5	9.9	18.0	6.5	12.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.5	15.5	16.5	25.5	22.5	24.0	25.0	22.0	23.5	19.5	17.5	18.0
2	17.5	16.0	16.5	27.0	23.5	25.0	25.5	22.5	23.5	19.0	16.5	17.5
3	17.0	14.0	16.0	27.5	24.0	26.0	23.0	20.5	21.5	21.0	18.0	19.5
4	16.5	15.0	16.0	27.5	24.0	25.5	22.0	18.5	20.5	23.0	20.0	21.5
5	18.0	15.0	16.5	25.5	22.5	24.0	21.5	19.5	20.5	21.5	19.0	20.5
6	17.5	15.0	16.5	22.5	20.5	21.5	20.0	17.5	19.0	20.0	17.0	18.5
7	15.5	14.0	15.0	22.5	19.0	20.5	19.0	16.5	17.5	19.5	16.0	18.0
8	16.0	14.0	15.0	24.5	20.0	22.0	19.0	16.0	17.5	20.0	16.5	18.5
9	17.5	15.0	16.0	23.5	22.0	22.5	19.5	15.5	17.5	21.5	17.5	20.0
10	19.5	16.5	18.0	24.0	20.5	22.0	20.0	16.0	18.0	23.0	20.0	21.5
11	21.0	18.0	19.5	23.0	19.5	21.5	20.0	16.5	18.0	22.0	18.0	20.0
12	20.5	19.5	20.0	24.0	19.5	21.5	20.5	17.0	19.0	18.0	15.5	17.0
13	20.0	18.0	19.0	23.5	20.5	22.5	21.0	17.5	19.5	18.5	15.0	17.0
14	18.0	15.5	17.0	22.5	20.5	21.5	20.5	18.0	19.0	19.0	16.5	17.5
15	15.5	14.5	15.0	24.0	21.0	22.5	20.5	17.5	19.0	19.0	18.5	19.0
16	16.5	14.0	15.0	25.5	22.0	23.5	20.0	18.0	19.0	20.5	18.5	19.5
17	17.5	15.0	16.0	25.5	22.0	23.5	20.5	18.5	19.5	21.5	18.0	19.5
18	18.5	15.5	17.0	26.5	23.5	25.0	20.5	18.0	19.5	20.5	18.0	19.0
19	20.5	17.0	18.5	25.5	24.0	25.0	20.5	17.5	19.0	20.0	18.0	19.0
20	22.0	18.5	20.0	24.0	20.5	22.5	20.0	18.0	19.0	22.0	18.5	20.0
21	23.0	19.5	21.0	22.0	19.0	20.5	19.0	16.5	18.0	21.5	20.5	21.0
22	23.0	20.5	22.0	23.5	20.0	22.0	18.5	16.5	17.5	20.5	20.0	20.5
23	23.0	21.0	22.0	24.0	22.0	23.0	20.5	17.5	19.0	20.0	18.0	19.5
24	24.5	21.0	22.5	23.0	20.5	22.0	19.5	16.5	18.0	19.5	16.5	18.0
25	24.5	22.0	23.0	22.5	19.0	20.5	18.5	15.0	17.0	18.5	16.5	17.5
26	25.0	21.0	23.5	21.5	19.5	20.5	21.0	17.0	19.0	18.0	16.0	17.0
27	24.0	21.5	22.5	19.5	17.5	18.0	21.5	19.5	20.5	16.0	15.5	15.5
28	24.0	22.0	22.5	19.0	17.0	17.5	20.0	18.5	19.5	16.5	15.0	15.5
29	23.5	20.5	22.0	22.5	18.0	20.5	19.0	17.0	18.0	16.5	14.5	15.5
30	25.0	21.0	23.0	24.5	21.5	23.0	19.5	16.0	17.5	17.0	15.0	16.0
31	---	---	---	25.5	21.5	23.5	20.0	17.5	19.0	---	---	---
MONTH	25.0	14.0	18.8	27.5	17.0	22.4	25.5	15.0	19.1	23.0	14.5	18.6

01427510 DELAWARE RIVER AT CALLICOON, NY

LOCATION.--Lat 41°45'24", long 75°03'28", Wayne County, Pennsylvania, Hydrologic Unit 02040101, on right bank, 0.5 mi downstream from Callicoon Creek, 0.5 mi downstream from Interstate Bridge 7, and 0.8 mi southeast of Callicoon. Water-quality sampling site at discharge station.
DRAINAGE AREA.--1,820 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1975 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area. WDR NY-86-1: 1975-84 (M).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 734.88 ft above NGVD of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to September 1954, entire flow from 371 mi^2 of drainage area controlled by Pepacton Reservoir (see Reservoirs in Delaware River Basin), and subsequent to October 1963, entire flow from 454 mi^2 of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during period of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 95,600 ft^3/s, Jan. 19, 1996, gage-height, 16.31 ft; minimum discharge, 306 ft^3/s, Sept. 24, 25, 1997; minimum gage height, 2.20 ft, Sept. 13, 1977, Aug. 23, 1985.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,400 ft^3/s, June 7, gage height, 6.21 ft; minimum recorded, 488 ft^3/s, Sept. 22, but may have been less during period of ice effect, gage height, 2.61 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1080	1370	1400	e800	4510	1280	4680	4440	5840	1110	871	1140
2	1180	1360	1820	e740	5020	1170	4020	4410	3980	1140	899	818
3	1140	1320	1200	e700	3730	1400	3320	4860	2870	1160	1270	822
4	1170	1240	995	e680	3090	1910	3020	3760	2250	1120	1230	871
5	1320	1300	874	e680	e2500	1600	2540	3100	2370	957	1230	983
6	1370	1290	797	e700	2230	1450	2250	2640	4590	965	1130	981
7	1350	1240	759	e740	2130	1400	1990	2320	12400	828	1150	1270
8	1340	1140	865	e740	1710	1320	1780	2100	8180	862	1140	1200
9	1400	1220	779	e760	1570	1250	1680	1970	5240	867	1180	827
10	1500	1220	720	e760	1490	1400	1650	2040	3770	818	1280	763
11	1460	1170	858	e760	6140	1680	1580	1770	2910	753	1290	797
12	1460	1160	688	e760	5490	1450	1380	1690	2420	650	1290	864
13	1400	1150	668	e740	4080	1410	1300	4810	2370	900	1280	901
14	1340	1140	841	e700	e2900	1390	1630	10200	2330	897	1310	992
15	1510	1180	1370	e680	e2600	1390	3120	7580	3210	707	1320	836
16	1490	1200	1490	e640	2290	1450	3410	5190	3990	673	1390	613
17	1570	1190	1320	e600	2100	1590	2760	4020	3390	734	1380	565
18	1460	1200	3240	e560	1830	1460	2410	5750	2630	742	1310	658
19	1440	1160	4130	e540	1600	1420	2120	6840	2430	758	1280	621
20	1430	1200	3010	e520	1480	1480	1930	4860	1980	1060	1280	609
21	1450	1220	2470	e620	1680	1710	1770	3920	1720	1080	1310	867
22	1470	1230	2030	e720	2070	1970	1620	3260	1600	892	1260	554
23	1450	1230	1710	e760	1890	1750	1540	2710	1500	841	1190	1220
24	1520	1230	1630	e800	1640	1660	1390	2310	1630	1040	1250	1060
25	1650	1140	1670	e900	1500	1680	1350	2010	1490	841	1320	741
26	1550	1380	1440	e1300	1430	1930	1760	1750	1360	811	688	813
27	1470	1280	1230	e1600	1460	8420	1650	1580	1770	1220	866	788
28	1520	1030	e1100	e1500	1440	7140	2350	3340	1500	1120	876	1780
29	1500	982	e1000	e2400	---	5580	6630	4630	1280	817	979	1590
30	1500	991	e920	e3300	---	5220	5540	2960	1090	858	838	958
31	1330	---	e840	e5200	---	5150	---	3140	---	852	1030	---
TOTAL	43820	36163	43864	32900	71600	71110	74170	115960	94090	28073	36117	27502
MEAN	1414	1205	1415	1061	2557	2294	2472	3741	3136	905.6	1165	916.7
MAX	1650	1380	4130	5200	6140	8420	6630	10200	12400	1220	1390	1780
MIN	1080	982	668	520	1430	1170	1300	1580	1090	650	688	554

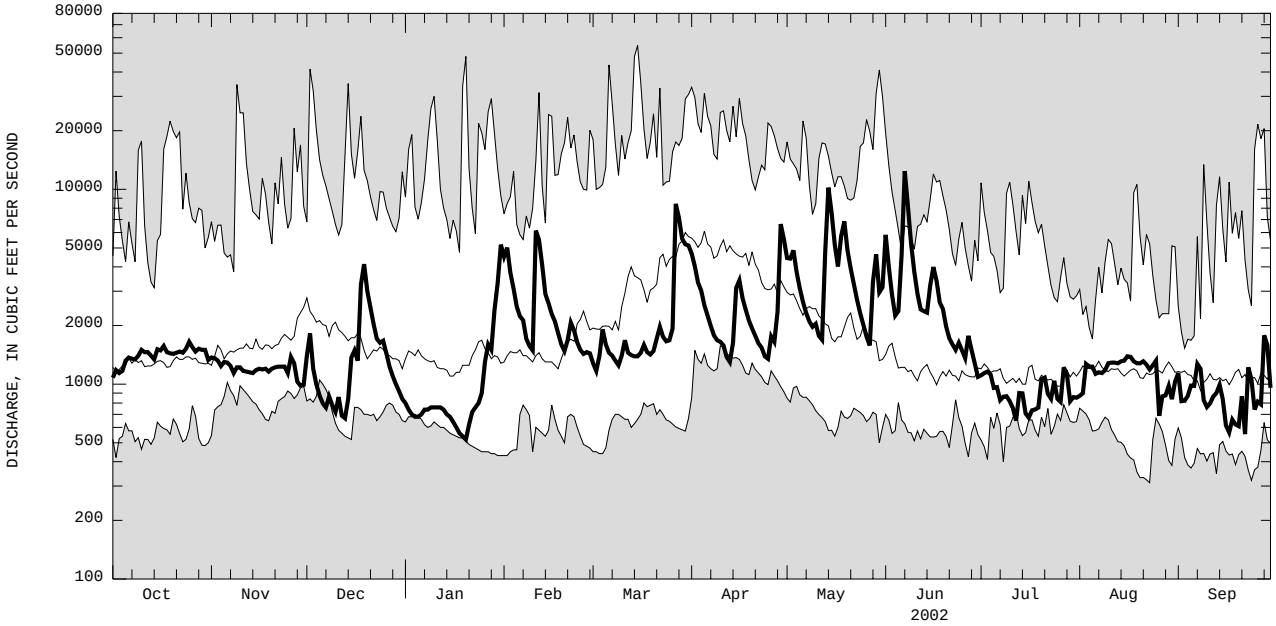
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

MEAN	1972	2528	2622	2428	2643	4506	5654	3500	1822	1363	1285	1383
MAX	6545	6561	11130	7594	7993	11080	14500	7866	4048	3571	2710	3716
(WY)	1978	1997	1997	1978	1976	1977	1993	1984	2000	1996	1994	1977
MIN	701	1130	1035	587	611	1177	1496	935	734	777	560	839
(WY)	1992	1979	1999	1977	1980	1981	1985	1985	1985	1981	1985	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	706739		675369			
ANNUAL MEAN	1936		1850		2636	
HIGHEST ANNUAL MEAN					3972	1978
LOWEST ANNUAL MEAN					1434	1985
HIGHEST DAILY MEAN	24800	Apr 10	12400	Jun 7	54800	Mar 15 1986
LOWEST DAILY MEAN	453	Sep 24	520	Jan 20	312	Aug 23 1985
ANNUAL SEVEN-DAY MINIMUM	703	May 10	594	Jan 15	354	Aug 17 1985
10 PERCENT EXCEEDS	3070		3830		5990	
50 PERCENT EXCEEDS	1220		1380		1400	
90 PERCENT EXCEEDS	835		760		794	

e Estimated

01427510 DELAWARE RIVER AT CALLICOON, NY--Continued



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.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1975 to current year.
CHEMICAL DATA: 2002 (b).
MINOR ELEMENTS DATA: 2002 (b).
NUTRIENT DATA: 2002 (b).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1975 to current year.
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. Prior to May 1989, water-temperature recorder provided one-hour-interval readings.
REMARKS.--Water temperature is affected by release of water from upstream reservoir. The non-daily water-quality records for this site were collected, stored, and reported in local standard time and were furnished by the Pennsylvania District. Samples were analyzed by the Pennsylvania State Department of Environmental Resources.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1976-2002), 30.5°C, July 12, 1987; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 30.0°C, July 3, 4; minimum, 0.0°C on many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (mS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)
APR 2002													
23...	1200	9813	1530	40	11.5	7.6	62	9.1	19	5.60	5.7	1.15	1.2
JUN													
06...	1245	9813	4070	40	9.3	7.3	64	17.7	18	5.61	5.4	1.12	1.1
AUG													
06...	1145	9813	993	40	10.3	8.8	83	21.0	26	7.50	7.3	1.82	1.8

Date	ACIDITY TOTAL HEATED (MG/L AS CAC03) (70508)	ANC WATER UNFLTRD FET LAB (MG/L AS CACO3) (00417)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COPPER, DIS-SOLVED (mG/L AS CU) (01040)
APR 2002													
23...	.0	12	6.9	14	<2	<.020	.18	<.040	.28	<.01	.011	1.0	<4
JUN													
06...	1.8	12	6.6	62	4	<.020	.16	<.040	.37	.04	.018	.6	<4
AUG													
06...	.0	16	7.4	58	<2	<.020	.36	<.040	.46	<.01	<.010	.7	<4

Date	COPPER, TOTAL RECOV-ERABLE (mG/L AS CU) (01042)	IRON, DIS-SOLVED (mG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (mG/L AS FE) (01045)	LEAD, DIS-SOLVED (mG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (mG/L AS PB) (01051)	MANGA-NESE, DIS-SOLVED (mG/L AS MN) (01056)	MANGA-NESE, TOTAL RECOV-ERABLE (mG/L AS MN) (01055)	NICKEL, DIS-SOLVED (mG/L AS NI) (01065)	NICKEL, TOTAL RECOV-ERABLE (mG/L AS NI) (01067)	ZINC, DIS-SOLVED (mG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (mG/L AS ZN) (01092)
APR 2002											
23...	<4	<20	50	<1.0	<1.0	8.5	10	<4.0	<4.0	<5.0	<5.0
JUN											
06...	<4	40	260	<1.0	<1.0	20	60	<4.0	<4.0	<5.0	<5.0
AUG											
06...	<4	<20	140	<1.0	<1.0	10	30	<4.0	<4.0	<5.0	<5.0

01427510 DELAWARE RIVER AT CALLICOON, NY--Continued

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.0	12.5	14.0	9.5	7.5	8.5	10.0	8.5	9.0	0.0	0.0	0.0
2	17.0	13.0	15.0	11.0	8.0	9.5	9.0	7.5	8.5	0.0	0.0	0.0
3	18.0	14.0	16.0	12.0	10.5	11.5	7.5	6.5	7.0	0.0	0.0	0.0
4	18.5	15.5	17.0	12.0	10.5	11.0	6.5	5.0	6.0	0.0	0.0	0.0
5	18.5	16.0	17.5	10.5	8.5	9.5	7.0	6.0	6.5	0.0	0.0	0.0
6	17.0	14.5	16.0	8.5	7.0	7.5	7.5	6.0	7.0	0.0	0.0	0.0
7	14.5	11.5	13.0	8.0	6.0	7.0	7.5	6.0	7.0	0.0	0.0	0.0
8	12.0	10.0	11.0	7.5	6.0	6.5	6.0	3.5	5.0	0.0	0.0	0.0
9	12.5	9.0	11.0	7.0	5.5	6.5	4.0	3.0	3.5	0.0	0.0	0.0
10	14.5	10.5	12.5	6.5	4.5	5.5	3.5	2.5	3.0	0.0	0.0	0.0
11	15.5	12.0	13.5	6.0	4.5	5.5	3.5	2.5	3.0	0.0	0.0	0.0
12	16.5	13.5	15.0	4.5	3.5	4.0	4.0	2.5	3.0	0.0	0.0	0.0
13	18.0	15.0	16.5	4.5	2.5	3.5	4.5	3.5	4.0	0.0	0.0	0.0
14	17.0	16.0	16.5	5.0	2.5	4.0	5.0	4.0	4.5	0.0	0.0	0.0
15	16.0	14.5	15.5	7.0	4.5	5.5	5.0	3.5	4.5	0.0	0.0	0.0
16	15.0	13.0	14.0	8.5	6.5	7.5	3.5	2.5	3.0	0.0	0.0	0.0
17	14.0	11.5	13.0	7.5	6.0	7.0	3.5	3.0	3.0	0.0	0.0	0.0
18	11.5	10.0	11.0	7.0	5.0	6.0	3.5	3.0	3.5	0.0	0.0	0.0
19	11.5	9.0	10.5	6.5	5.0	6.0	4.5	3.5	4.0	0.0	0.0	0.0
20	12.5	10.5	11.5	6.5	5.0	6.0	4.0	3.5	3.5	0.0	0.0	0.0
21	14.0	11.0	12.5	5.5	4.0	4.5	3.5	2.0	3.0	0.0	0.0	0.0
22	14.0	13.0	13.5	5.0	3.5	4.5	2.0	1.0	1.5	0.0	0.0	0.0
23	14.0	12.5	13.5	4.5	3.0	4.0	1.5	0.5	1.0	0.0	0.0	0.0
24	16.0	13.5	14.5	6.5	4.5	5.5	2.5	1.5	2.0	0.0	0.0	0.0
25	15.5	13.5	15.0	9.0	6.5	8.5	1.5	0.5	1.0	0.0	0.0	0.0
26	13.5	11.0	12.5	10.0	9.0	9.0	1.0	0.0	0.5	0.0	0.0	0.0
27	11.0	9.0	10.0	9.0	8.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
28	9.5	8.0	9.0	9.5	8.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
29	10.0	7.0	8.5	9.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
30	10.5	8.5	9.5	9.0	8.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
31	9.0	8.0	8.5	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
MONTH	18.5	7.0	13.1	12.0	2.5	6.9	10.0	0.0	3.5	0.0	0.0	0.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.5	0.0	1.0	3.5	0.5	2.0	9.0	7.0	8.0	10.5	7.0	8.5
2	1.5	0.5	1.0	2.5	0.5	1.5	7.0	6.0	6.5	9.5	9.0	9.5
3	1.0	0.0	0.5	5.0	2.5	3.5	7.0	5.5	6.5	10.0	8.5	9.0
4	1.5	0.0	1.0	4.0	2.0	3.0	7.0	5.0	5.5	11.5	8.0	9.5
5	0.5	0.0	0.0	2.5	0.5	1.5	5.5	3.5	4.5	14.0	9.5	12.0
6	0.5	0.0	0.0	4.0	0.0	2.0	5.5	3.0	4.0	16.0	11.5	13.5
7	1.5	0.0	0.5	5.0	1.5	3.0	7.0	2.0	4.5	16.5	13.5	15.0
8	3.0	0.5	1.5	7.0	2.5	4.5	7.0	4.5	5.5	18.0	14.0	15.5
9	4.0	1.5	2.5	8.5	5.5	7.0	9.0	6.0	7.5	15.5	13.0	14.0
10	3.0	2.0	2.5	8.5	4.0	6.5	12.0	7.5	9.5	16.0	12.0	14.0
11	2.5	1.0	2.0	5.0	2.5	3.5	13.5	8.5	10.5	17.0	12.0	14.5
12	1.0	0.0	0.5	3.5	2.0	2.5	12.0	9.0	10.5	14.5	12.0	13.0
13	1.5	0.0	1.0	3.5	2.5	3.0	12.5	11.0	11.5	12.0	10.5	11.0
14	1.0	0.0	0.0	7.5	3.0	5.0	16.0	11.0	13.5	10.5	9.5	10.0
15	1.0	0.0	0.0	9.0	5.0	7.0	17.0	13.5	15.0	11.5	9.0	10.0
16	2.5	0.5	1.5	8.0	6.0	7.5	18.5	15.0	16.5	13.0	10.5	12.0
17	3.5	2.0	2.5	6.5	4.5	5.5	20.0	16.0	17.5	15.0	12.5	13.5
18	3.0	1.0	2.0	5.0	3.5	4.0	21.5	17.5	19.0	13.5	10.0	12.0
19	3.0	0.0	1.5	4.5	3.0	3.5	21.0	17.5	19.5	10.0	9.0	9.5
20	3.5	2.0	2.5	3.5	2.0	2.5	19.0	15.0	17.0	10.0	8.0	9.0
21	5.5	3.5	4.5	6.0	2.0	3.5	15.0	12.5	14.0	10.5	8.5	9.0
22	5.0	4.0	4.5	3.5	1.0	2.0	12.5	9.0	10.5	13.0	8.0	10.5
23	5.0	3.0	4.0	4.5	0.5	2.5	10.0	7.5	8.5	16.0	10.5	13.0
24	4.5	1.5	3.0	6.0	2.0	4.0	13.0	6.5	9.5	16.5	13.0	14.5
25	5.0	2.0	3.5	5.5	4.0	4.5	10.5	8.0	9.0	18.5	13.5	16.0
26	6.5	2.5	4.5	4.0	2.5	3.5	10.5	7.0	8.5	17.5	15.0	16.0
27	5.5	3.5	5.0	2.5	2.0	2.5	12.0	6.5	9.5	19.0	15.0	17.0
28	3.5	1.5	2.5	4.5	2.0	3.5	10.5	8.5	9.0	18.0	15.5	17.0
29	---	---	---	6.5	4.0	5.0	9.0	7.5	8.5	16.0	14.0	15.0
30	---	---	---	9.0	6.0	7.5	7.5	6.5	7.0	18.5	15.0	16.5
31	---	---	---	9.0	7.5	8.5	---	---	---	18.5	17.0	17.5
MONTH	6.5	0.0	2.0	9.0	0.0	4.0	21.5	2.0	10.2	19.0	7.0	12.8

01427510 DELAWARE RIVER AT CALLICOON, NY--Continued

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.0	16.5	17.0	27.5	23.0	25.5	27.5	23.5	25.5	20.5	18.5	19.0
2	18.5	16.5	17.5	29.0	24.0	26.5	27.0	23.5	25.5	21.0	17.5	19.0
3	18.5	15.5	17.0	30.0	25.5	28.0	26.5	23.5	25.0	23.5	18.5	21.0
4	18.0	15.5	17.0	30.0	25.5	27.5	25.5	21.0	23.0	24.0	20.5	22.5
5	19.5	16.0	17.5	27.5	24.0	25.5	24.0	21.5	23.0	22.5	20.0	21.5
6	18.0	16.0	17.5	24.5	21.5	23.0	22.5	20.0	21.5	22.5	17.5	20.0
7	16.0	15.0	15.5	24.5	19.5	22.5	21.5	18.0	20.0	21.5	17.5	19.5
8	16.5	15.0	15.5	26.5	20.5	23.5	21.0	17.0	19.5	22.0	17.0	19.5
9	18.0	15.5	17.0	25.0	22.5	24.0	22.5	17.0	19.5	23.5	18.0	20.5
10	20.5	17.0	19.0	25.5	22.0	24.0	22.5	17.5	20.0	24.5	20.0	22.5
11	22.5	18.5	20.5	24.0	20.0	22.5	23.0	18.0	20.5	23.5	18.5	20.5
12	22.0	20.0	21.0	25.0	19.5	22.5	23.5	19.0	21.0	19.5	16.0	18.0
13	20.5	19.0	20.0	26.0	20.5	23.5	24.0	19.5	22.0	20.0	15.5	18.0
14	19.0	16.5	17.5	24.5	21.5	23.0	22.5	20.0	21.5	20.5	16.5	18.5
15	16.5	15.0	15.5	25.5	21.5	23.5	23.0	20.0	21.5	20.0	18.5	19.5
16	16.5	14.5	15.5	26.0	22.5	24.5	22.0	20.0	21.0	21.0	19.0	20.0
17	18.5	15.5	17.0	27.5	21.5	24.5	23.5	20.0	21.5	21.0	18.0	20.0
18	20.5	16.0	18.0	28.0	24.0	26.5	23.5	20.0	22.0	21.5	17.5	20.0
19	22.0	17.0	19.5	27.0	24.5	26.0	23.0	19.5	21.5	21.0	18.5	20.0
20	24.0	18.5	21.0	27.5	23.5	25.5	22.0	20.0	21.0	22.5	19.5	21.0
21	25.0	20.0	22.0	25.0	21.5	23.0	22.5	18.0	20.5	22.5	20.5	21.5
22	25.0	20.5	23.0	26.5	21.5	24.0	21.0	17.5	19.5	22.0	21.0	21.5
23	25.0	22.0	23.0	25.5	23.0	24.5	22.5	19.0	20.5	21.5	19.0	20.5
24	26.0	21.5	24.0	25.5	22.0	24.0	21.0	18.0	19.5	20.5	16.5	18.5
25	26.5	22.0	24.5	24.0	21.0	22.5	21.0	17.0	19.0	19.5	16.0	18.0
26	27.0	23.0	25.0	23.0	20.5	21.5	22.0	17.0	19.5	18.5	16.5	17.5
27	26.0	22.5	24.0	22.0	20.0	21.0	23.5	19.0	21.5	16.5	15.5	16.0
28	25.5	22.5	24.0	20.5	19.0	20.0	22.5	20.0	21.0	17.5	15.5	16.0
29	26.0	21.0	23.5	24.5	19.5	21.5	20.5	18.5	19.0	17.5	14.5	16.0
30	27.0	21.5	24.0	26.0	22.0	24.0	21.0	17.5	19.0	17.5	15.0	16.0
31	---	---	---	27.5	22.5	25.0	21.5	17.5	19.5	---	---	---
MONTH	27.0	14.5	19.8	30.0	19.0	24.0	27.5	17.0	21.1	24.5	14.5	19.4

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY

LOCATION.--Lat 41°30'32", long 74°59'10", Sullivan County, Hydrologic Unit 02040101, on left bank, 1.6 mi upstream from Lackawaxen River, and 4.6 mi northwest of Barryville. Water-quality sampling site at discharge station.
DRAINAGE AREA.--2,020 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1940 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 600.22 ft above NGVD of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to September 1954, entire flow from 371 mi^2 of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi^2 of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow of these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite gage-height and temperature telemeter and National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130,000 ft^3/s, Aug. 19, 1955, gage height, 26.40 ft, from floodmarks in gage house, from rating curve extended above 55,000 ft^3/s, on basis of slope-area measurement at gage height 23.19 ft; minimum discharge, 122 ft^3/s, Sept. 5, 1953, gage height, 1.11 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,200 ft^3/s, June 7, gage height, 8.07 ft; minimum, 519 ft^3/s, Sept. 23, gage height, 2.13 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1200	1440	1340	e900	5250	1530	5560	5790	6270	1200	867	1190
2	1260	1460	2020	e860	5730	1380	4970	5610	5140	1230	854	988
3	1250	1440	1490	e820	4590	1480	4130	6150	3750	1230	1100	806
4	1270	1360	1190	e800	3770	2070	3750	4940	2920	1250	1290	894
5	1330	1370	1040	e780	3100	2020	3210	4070	2920	1160	1220	980
6	1480	1370	954	e760	2590	1680	2790	3480	4640	963	1170	978
7	1460	1360	884	736	2400	1630	2470	3030	13700	995	1110	1210
8	1430	1300	926	735	2050	1550	2200	2740	10000	852	1120	1310
9	1460	1250	973	857	1890	1470	2060	2520	6580	918	1130	996
10	1550	1290	873	945	1740	1560	2000	2580	4880	936	1250	789
11	1590	1300	892	883	4960	1890	1960	2360	3830	831	1300	807
12	1560	1230	907	882	6690	1760	1730	2160	3150	714	1300	826
13	1540	1240	774	860	4900	1660	1590	5680	3000	771	1290	885
14	1420	1230	845	829	3580	1630	1950	12500	3180	941	1320	968
15	1570	1250	1310	770	2990	1630	3340	9520	4570	833	1350	938
16	1570	1270	1660	742	2740	1640	4250	6720	5670	696	1420	934
17	1680	1280	1500	704	2470	1850	3460	5240	4710	671	1480	635
18	1580	1280	2520	716	2220	1790	2990	6620	3670	756	1410	609
19	1520	1260	4850	686	1920	1690	2620	8570	3350	765	1360	665
20	1520	1270	3630	660	1740	1740	2370	6240	2720	924	1370	606
21	1540	1290	2880	648	1790	2050	2200	5090	2290	1190	1370	746
22	1560	1330	2370	780	2280	2530	2010	4280	2100	993	1360	725
23	1560	1290	1980	816	2270	2300	1900	3620	1930	857	1270	841
24	1560	1320	1790	773	1960	2100	1740	3080	1910	908	1280	1270
25	1730	1270	1840	851	1760	2110	1650	2660	1890	1080	1480	851
26	1690	1360	1680	1530	1660	2190	2160	2350	1600	711	1020	767
27	1550	1530	1350	1830	1650	9220	2200	2160	1960	1060	703	889
28	1610	1190	1160	1750	1670	9280	3060	3820	1840	1190	954	2070
29	1570	1120	1160	1800	---	6900	8000	6990	1560	934	994	2060
30	1620	1080	1050	2180	---	6070	7180	4370	1270	846	1060	1240
31	1470	---	e960	5640	---	6040	---	3800	---	818	878	---
TOTAL	46700	39030	48798	34523	82360	84440	91500	148740	117000	29223	37080	29473
MEAN	1506	1301	1574	1114	2941	2724	3050	4798	3900	942.7	1196	982.4
MAX	1730	1530	4850	5640	6690	9280	8000	12500	13700	1250	1480	2070
MIN	1200	1080	774	648	1650	1380	1590	2160	1270	671	703	606

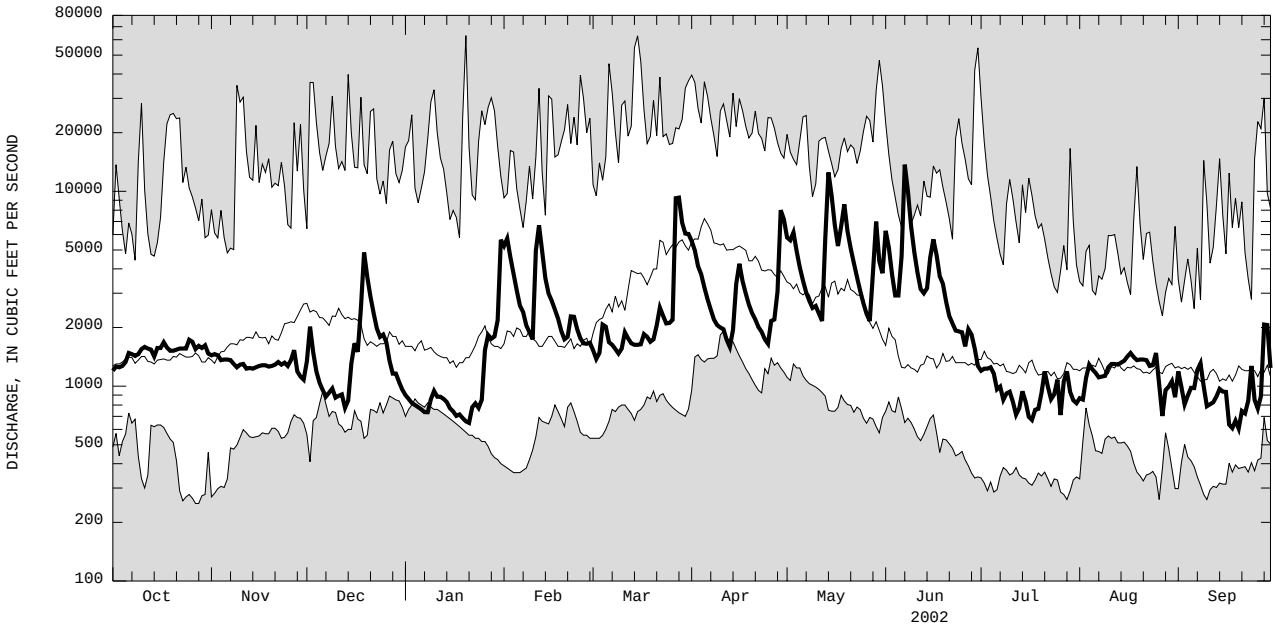
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2002, BY WATER YEAR (WY)

MEAN	1991	2688	3063	2723	2955	5089	6461	4073	2346	1617	1387	1474
MAX	7404	7448	11940	8335	9389	12050	16500	8615	6701	4087	3033	4186
(WY)	1978	1997	1997	1978	1976	1977	1993	1984	1972	1996	1994	1987
MIN	527	610	1114	687	712	1399	1878	1161	673	328	465	448
(WY)	1964	1965	1999	1977	1980	1981	1985	1965	1965	1965	1965	1965

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1964 - 2002	
ANNUAL TOTAL	810351		788867			
ANNUAL MEAN	2220		2161		2986	
HIGHEST ANNUAL MEAN					4650	1973
LOWEST ANNUAL MEAN					1297	1965
HIGHEST DAILY MEAN	25800	Apr 10	13700	Jun 7	63000	Jan 20 1996
LOWEST DAILY MEAN	744	May 15	606	Sep 20	250	Oct 27 1963
ANNUAL SEVEN-DAY MINIMUM	872	May 11	690	Sep 17	264	Oct 23 1963
10 PERCENT EXCEEDS	3770		4860		6630	
50 PERCENT EXCEEDS	1380		1530		1610	
90 PERCENT EXCEEDS	986		824		866	

e Estimated

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY--Continued



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.

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.
CHEMICAL DATA: 1971-73 (a).
NUTRIENT DATA: 1971 (a).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1967 to current year (no winter record for water years 1969-76).
INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. From October 1975 to September 1995, water-temperature recorder provided one-hour-interval readings. Prior to October 1975, water-temperature recorder provided continuous readings.
REMARKS.--Interruptions of record were due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1968-75, 1980-81, 1983, 1985-96, 1998-2001), 32.5°C, July 9, 10, 1993; minimum (water years 1968, 1977-2002), 0.0°C, on many days during winter periods, each year except water years 1980-82.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum recorded, 32.0°C, July 4, but may have been higher during period of instrument malfunction; minimum, 0.0°C on many days during winter period.

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.5	13.5	15.0	10.5	8.0	9.0	10.5	8.5	9.5	0.5	0.0	0.0
2	18.0	14.0	16.0	10.5	8.5	9.5	9.0	8.0	8.5	0.5	0.0	0.0
3	19.0	15.0	17.0	12.5	10.0	11.0	9.0	7.0	7.5	1.0	0.0	0.0
4	20.0	16.0	18.0	13.0	10.5	11.5	8.0	6.0	7.0	0.5	0.0	0.0
5	20.0	16.5	18.5	11.0	9.0	10.0	8.5	6.5	7.5	0.5	0.0	0.0
6	18.0	16.0	17.5	10.0	8.0	8.5	9.5	6.5	7.5	0.5	0.0	0.0
7	16.0	13.0	14.5	9.0	7.0	8.0	9.0	6.5	7.5	0.0	0.0	0.0
8	14.0	11.0	12.5	8.5	6.5	7.5	6.5	4.0	5.5	0.0	0.0	0.0
9	13.0	10.0	11.5	8.0	6.0	7.0	5.0	4.0	4.5	0.0	0.0	0.0
10	14.0	10.0	12.0	8.0	5.5	6.5	4.5	3.0	3.5	0.0	0.0	0.0
11	15.5	11.5	13.5	6.5	5.0	5.5	5.0	3.0	4.0	0.5	0.0	0.0
12	16.5	13.5	15.0	5.5	3.5	4.5	4.0	2.5	3.5	0.5	0.0	0.0
13	18.0	15.0	16.5	6.0	3.0	4.5	4.5	3.5	4.0	0.5	0.0	0.0
14	17.0	16.0	16.5	6.0	3.0	4.5	5.0	4.0	4.5	0.5	0.0	0.0
15	17.5	15.5	16.5	7.0	4.5	5.5	5.0	3.5	4.0	0.5	0.0	0.0
16	16.0	14.5	15.0	8.5	5.5	6.5	4.0	3.0	3.5	0.5	0.0	0.0
17	14.5	11.5	13.5	8.5	6.0	7.0	3.5	3.0	3.0	0.5	0.0	0.0
18	13.0	10.5	11.5	8.5	5.5	6.5	3.5	3.0	3.5	0.5	0.0	0.0
19	12.0	9.5	11.0	8.0	6.0	7.0	4.0	3.0	3.5	0.0	0.0	0.0
20	12.5	10.0	11.0	7.5	5.5	6.5	4.0	3.0	3.5	0.0	0.0	0.0
21	13.5	10.5	12.0	7.0	4.5	5.5	3.5	2.5	3.0	0.0	0.0	0.0
22	14.0	12.0	13.0	6.0	3.5	5.0	3.0	1.5	2.0	0.0	0.0	0.0
23	14.0	13.0	13.5	6.0	3.5	5.0	2.0	1.0	1.5	0.0	0.0	0.0
24	16.5	14.0	15.0	6.0	4.5	5.0	2.5	1.5	2.0	0.0	0.0	0.0
25	16.5	14.0	15.0	8.0	6.0	7.0	2.0	1.0	1.5	1.0	0.0	0.0
26	14.0	11.5	13.5	9.5	7.5	8.5	1.5	0.0	0.5	0.5	0.0	0.0
27	11.5	9.5	11.0	9.0	8.0	8.5	0.5	0.0	0.0	0.5	0.0	0.0
28	10.5	8.5	9.5	10.0	8.5	9.0	0.5	0.0	0.0	0.5	0.0	0.0
29	10.0	7.0	---	9.0	8.5	9.0	0.0	0.0	0.0	0.5	0.0	0.0
30	10.5	8.0	9.0	9.5	8.5	9.0	0.0	0.0	0.0	0.5	0.0	0.0
31	8.5	8.0	8.5	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
MONTH	20.0	7.0	---	13.0	3.0	7.3	10.5	0.0	3.7	1.0	0.0	0.0

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY--Continued

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.5	0.0	0.5	5.0	2.0	3.5	9.5	8.5	9.0	10.0	7.5	9.0
2	1.0	0.0	0.5	3.5	1.5	2.5	8.5	7.5	8.0	10.0	10.0	10.0
3	1.0	0.0	0.5	6.0	3.0	4.5	8.0	7.0	7.5	10.5	9.5	10.0
4	1.0	0.0	0.5	4.5	2.5	3.5	8.0	6.0	7.0	11.5	9.0	10.0
5	1.0	0.0	0.0	3.5	1.5	2.5	6.5	5.0	6.0	13.5	10.5	12.0
6	1.5	0.0	0.5	4.5	1.0	2.5	6.5	4.5	5.0	15.0	12.5	14.0
7	1.5	0.0	0.5	5.0	1.5	3.5	7.0	4.0	5.5	16.5	14.5	15.5
8	2.5	0.0	1.0	7.0	2.5	5.0	7.5	5.0	6.5	17.5	15.5	16.5
9	4.0	1.0	2.5	8.0	5.5	6.5	9.5	6.5	8.0	16.0	14.0	15.0
10	3.5	2.0	2.5	8.5	5.5	7.0	12.5	8.5	10.5	16.5	13.5	15.0
11	3.0	1.5	2.5	6.0	4.0	5.0	13.5	9.5	11.5	17.0	13.5	15.0
12	1.5	0.5	1.0	4.0	3.5	---	12.5	10.0	11.5	14.5	13.5	14.0
13	1.5	0.5	1.0	3.5	3.0	3.0	13.5	11.5	12.5	13.5	11.0	12.5
14	1.5	0.0	0.5	7.5	3.0	5.0	15.0	12.0	14.0	11.0	10.5	10.5
15	1.0	0.0	0.5	9.5	5.0	7.0	17.0	14.5	15.5	11.5	9.5	10.5
16	2.5	0.5	1.5	8.5	7.0	8.0	18.5	16.0	17.5	13.5	10.5	12.0
17	3.5	1.5	2.5	8.0	6.0	6.5	20.0	17.5	18.5	14.5	13.0	14.0
18	3.5	1.5	2.0	6.0	4.5	5.0	21.5	19.0	20.0	14.0	11.5	13.0
19	3.5	1.0	2.5	5.0	4.0	4.5	21.5	19.5	20.0	11.5	10.0	10.5
20	3.5	2.0	3.0	4.0	3.5	4.0	19.5	17.0	19.0	10.0	9.0	9.5
21	5.5	3.0	4.0	6.0	3.0	4.5	17.0	13.5	15.5	10.5	9.0	9.5
22	5.5	4.0	4.5	4.5	2.5	3.5	13.5	11.0	12.5	12.0	9.5	10.5
23	5.5	3.5	4.5	5.0	2.0	3.0	11.0	9.0	10.5	14.5	11.5	13.0
24	5.5	3.0	4.0	6.0	2.5	4.5	13.5	8.0	10.5	16.5	13.5	15.0
25	5.5	3.0	4.0	6.0	4.5	5.0	10.5	9.5	10.0	18.0	14.5	16.0
26	6.5	3.0	5.0	4.5	4.0	4.0	11.0	8.0	9.5	18.0	16.0	17.0
27	6.0	4.0	5.0	4.0	3.0	3.5	12.5	8.5	10.5	18.5	16.5	17.5
28	5.0	2.5	3.5	4.5	2.5	3.5	10.5	9.5	10.0	19.0	16.5	17.5
29	---	---	---	6.5	4.0	5.5	9.5	8.5	9.0	16.5	15.5	16.0
30	---	---	---	8.5	6.5	7.5	8.5	7.5	8.0	18.0	15.5	17.0
31	---	---	---	---	8.5	---	---	---	---	19.5	17.5	18.5
MONTH	6.5	0.0	2.2	---	1.0	---	21.5	4.0	11.3	19.5	7.5	13.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.0	18.0	18.5	28.0	24.0	26.0	30.0	24.5	27.0	20.5	19.0	19.5
2	18.5	17.0	18.0	29.0	24.5	27.0	30.5	25.5	27.5	21.0	18.5	19.5
3	18.5	17.0	17.5	31.5	26.5	28.5	30.5	25.5	28.0	24.5	19.0	22.0
4	19.0	17.0	18.0	32.0	27.5	---	29.5	25.0	27.0	27.0	21.5	24.0
5	20.5	17.0	18.5	29.5	25.0	27.5	28.0	25.0	26.0	25.0	21.0	22.5
6	19.0	17.5	18.5	26.5	23.0	24.5	26.0	22.0	24.0	25.0	19.5	22.0
7	17.5	15.5	16.5	27.0	21.5	24.0	23.5	20.5	22.0	24.0	19.5	21.5
8	17.0	15.5	16.0	28.0	22.0	25.0	24.0	19.5	22.0	24.5	19.5	21.5
9	18.5	16.0	17.0	27.0	23.5	25.0	25.0	19.0	22.0	25.5	19.5	22.5
10	20.0	17.5	19.0	28.5	23.5	25.5	25.5	20.0	22.5	26.0	21.0	23.5
11	22.0	19.5	21.0	27.0	21.5	24.0	26.0	20.5	23.5	23.5	19.5	22.0
12	22.0	21.0	21.5	27.0	21.0	24.0	26.0	21.5	24.0	22.5	17.5	20.0
13	21.0	19.5	20.5	26.5	22.0	24.0	27.5	22.5	24.5	23.0	17.0	19.5
14	19.5	17.0	18.5	26.0	22.5	24.0	27.5	23.0	25.0	22.5	17.5	20.0
15	17.0	16.0	16.5	28.0	23.0	25.0	26.5	22.5	24.5	21.0	20.0	20.5
16	17.0	15.0	16.0	---	24.0	---	26.0	23.0	24.5	22.5	20.0	21.0
17	18.0	16.0	17.0	---	---	---	26.0	23.0	24.5	23.5	19.0	21.0
18	20.0	17.0	18.5	---	---	---	26.5	23.0	24.5	22.5	19.0	20.5
19	21.0	18.5	19.5	---	---	---	26.5	22.5	24.5	22.5	19.5	21.0
20	23.0	19.5	21.0	---	---	---	25.5	22.5	24.0	23.5	20.0	22.0
21	24.0	20.5	22.5	---	---	---	26.0	21.0	23.5	23.5	21.5	22.5
22	25.5	21.5	23.5	---	---	---	23.5	21.0	22.5	24.0	22.0	22.5
23	26.0	23.0	24.5	30.0	25.0	26.5	24.5	21.0	22.5	23.0	20.0	21.5
24	26.0	23.0	24.5	30.0	24.0	26.5	22.5	20.5	21.0	22.5	18.5	20.5
25	27.0	23.5	25.0	28.5	24.0	25.5	23.0	19.5	21.0	21.0	17.5	19.0
26	27.0	24.0	25.5	24.5	22.0	23.5	24.5	19.5	22.0	18.5	17.0	18.0
27	27.0	24.5	25.5	25.0	21.5	23.0	24.5	20.5	22.5	17.0	16.5	17.0
28	26.0	24.0	25.0	25.5	22.5	23.5	24.0	21.0	22.0	17.5	16.0	17.0
29	27.0	22.5	24.5	29.5	23.0	25.5	21.5	19.5	20.0	18.0	15.5	16.5
30	28.0	23.0	25.5	29.5	24.5	26.5	22.5	19.0	20.0	19.5	15.5	17.0
31	---	---	---	---	23.5	---	23.5	19.0	21.0	---	---	---
MONTH	28.0	15.0	20.4	---	---	---	30.5	19.0	23.5	27.0	15.5	20.6

01432160 DELAWARE RIVER AT BARRYVILLE, NY

LOCATION.--Lat 41°28'31", long 74°54'46", Pike County, Pa., Hydrologic Unit 02040104, at Shohola-Barryville Bridge at Barryville, just upstream from Halfway Brook, and 1,000 ft upstream from Shohola Creek.
DRAINAGE AREA.--2,659 mi^2.
PERIOD OF RECORD.--Water years 1958, 1968 to current year.
CHEMICAL DATA: 1958 (d), 1969 (a), 1973 (b), 1974 (d), 1975 (b).
NUTRIENT DATA: 1973 (b), 1974 (d), 1975 (b).
BIOLOGICAL DATA:
Bacteria.--1973 (b), 1974 (d), 1975 (b).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1967 to September 1973, March 1975 to current year.
INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. From March 1975 to February 1994, water-temperature recorder provided one-hour-interval readings. Prior to September 1973, water-temperature recorder provided continuous recordings.
REMARKS.--Unpublished records of daily temperatures for May to September 1964-66 are available in files of the Geological Survey. Temperature probe may be influenced by solar radiation during periods of low flow.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1968-73, 1976-78, 1980-82, 1986-88, 1990-2002), 32.0°C, July 20, 21, 1980; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 30.0°C, July 4; minimum, 0.0°C on many days during winter period.

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.5	13.5	14.5	10.0	7.5	9.0	10.0	9.0	9.5	1.0	0.0	0.0
2	16.0	14.0	15.0	11.0	9.0	10.0	9.0	8.0	8.5	1.0	0.0	0.0
3	17.5	15.0	16.0	11.5	10.0	11.0	8.5	6.5	7.5	0.5	0.0	0.0
4	18.5	16.0	17.5	12.0	10.0	11.0	7.5	6.0	6.5	0.5	0.0	0.0
5	19.0	16.5	18.0	11.0	9.0	10.0	8.5	6.5	7.5	0.5	0.0	0.0
6	18.0	16.0	17.0	9.0	7.5	8.5	8.5	6.5	7.5	0.5	0.0	0.0
7	16.5	13.0	14.5	8.5	7.0	8.0	8.5	6.5	7.5	0.5	0.0	0.0
8	13.0	11.0	12.0	8.0	7.0	7.5	6.5	3.5	5.0	1.0	0.0	0.0
9	12.0	10.0	11.0	8.0	6.0	7.0	5.5	3.0	4.0	0.5	0.0	0.0
10	12.5	10.0	11.5	7.0	5.5	6.0	4.5	2.5	3.5	0.5	0.0	0.0
11	14.0	11.0	12.5	6.5	4.5	6.0	5.0	2.5	3.5	0.5	0.0	0.0
12	15.5	13.0	14.5	5.5	3.5	4.5	4.5	2.5	3.5	0.5	0.0	0.0
13	17.5	14.5	16.0	4.5	3.0	4.0	5.5	3.0	4.5	1.0	0.0	0.0
14	17.0	16.0	16.5	5.0	3.0	4.0	5.5	4.0	5.0	0.5	0.0	0.0
15	16.5	15.5	16.0	6.5	4.5	5.5	5.5	3.5	4.5	1.0	0.0	0.0
16	16.0	14.0	15.0	8.0	5.5	6.5	4.0	2.5	3.0	1.0	0.0	0.0
17	15.0	11.5	13.5	7.0	5.5	6.5	3.5	2.5	3.0	1.0	0.0	0.0
18	12.0	10.5	11.5	6.5	5.0	6.0	4.0	3.0	3.5	0.5	0.0	0.0
19	11.5	9.5	10.5	7.5	5.5	6.5	4.5	3.0	3.5	1.0	0.0	0.0
20	12.0	10.0	11.0	7.0	5.0	6.5	4.0	3.0	3.5	1.5	0.0	0.5
21	12.5	10.0	11.5	5.5	4.0	5.0	3.5	2.0	3.0	1.0	0.0	0.5
22	13.5	12.0	13.0	5.0	3.5	4.5	2.5	1.0	2.0	1.0	0.0	0.0
23	14.0	12.5	13.5	5.0	3.5	4.5	2.0	0.0	1.0	1.0	0.0	0.0
24	16.0	13.5	14.5	6.0	4.5	5.0	2.0	1.0	1.5	0.5	0.0	0.0
25	15.5	14.5	15.0	8.5	5.5	7.0	2.0	0.5	1.0	1.0	0.0	0.0
26	14.5	12.0	13.0	9.0	7.5	8.5	1.5	0.0	0.5	0.5	0.0	0.0
27	12.0	10.0	11.0	9.0	7.5	8.5	0.5	0.0	0.0	0.5	0.0	0.0
28	10.0	8.0	9.0	9.5	8.0	9.0	0.5	0.0	0.0	0.5	0.0	0.0
29	9.5	7.0	8.0	9.5	8.0	9.0	0.5	0.0	0.0	0.5	0.0	0.0
30	9.0	8.0	8.5	10.0	8.5	9.0	0.5	0.0	0.0	0.5	0.0	0.0
31	9.0	7.5	8.0	---	---	---	1.0	0.0	0.0	1.0	0.0	0.5
MONTH	19.0	7.0	13.2	12.0	3.0	7.1	10.0	0.0	3.7	1.5	0.0	0.0

01432160 DELAWARE RIVER AT BARRYVILLE, NY--Continued

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.0	0.0	0.5	3.5	1.5	2.5	9.5	8.0	9.0	11.0	7.5	9.0
2	1.5	0.0	0.5	3.5	1.5	2.5	8.5	7.0	7.5	10.5	9.5	10.0
3	1.0	0.0	0.0	5.5	3.0	4.5	8.5	6.0	7.5	11.0	9.0	10.0
4	1.5	0.0	0.5	5.0	2.5	3.5	8.0	5.5	6.5	12.0	8.5	10.0
5	0.5	0.0	0.0	3.0	1.0	2.0	6.5	4.5	5.5	14.0	10.5	12.0
6	1.0	0.0	0.0	3.5	1.0	2.5	6.0	3.5	5.0	15.0	12.0	13.5
7	1.0	0.0	0.5	4.5	2.0	3.5	7.0	3.0	5.0	16.5	13.5	15.0
8	2.0	0.0	1.0	6.0	3.0	4.5	7.0	5.0	6.0	17.0	14.0	15.5
9	3.0	1.0	2.0	8.0	5.5	6.5	9.5	5.5	7.5	15.5	13.0	14.5
10	3.5	1.5	2.5	8.0	5.0	6.5	11.5	7.5	9.5	16.0	12.5	14.0
11	3.5	1.0	3.0	5.0	3.0	4.0	11.5	7.5	10.0	16.5	12.5	14.5
12	2.0	0.0	1.0	4.0	2.5	3.5	11.0	8.5	10.0	15.5	13.0	14.0
13	1.5	0.5	1.0	3.5	2.5	3.0	13.0	10.0	11.5	13.5	11.0	12.0
14	1.0	0.0	0.5	6.0	3.0	4.5	15.0	12.0	13.5	11.5	10.5	11.0
15	1.0	0.0	0.5	8.5	5.0	7.0	17.0	14.0	15.5	12.5	10.0	11.0
16	3.0	0.5	1.5	8.5	7.0	8.0	18.5	14.5	16.0	14.0	10.5	12.0
17	3.5	1.5	2.5	7.5	5.5	6.5	20.0	15.5	17.5	14.5	12.5	13.5
18	3.0	0.5	2.0	6.5	4.0	5.0	21.5	17.0	19.0	13.5	11.0	12.5
19	3.0	0.0	2.0	5.0	4.0	4.5	20.5	17.5	19.0	11.5	10.0	11.0
20	4.0	1.5	3.0	4.5	3.0	3.5	19.0	17.0	18.0	11.0	9.5	10.0
21	5.5	3.5	4.5	6.0	2.5	4.0	17.0	13.5	15.0	11.0	9.0	10.0
22	5.5	4.0	5.0	5.0	2.0	3.0	14.0	10.0	12.0	13.0	9.0	11.0
23	5.0	3.0	4.5	4.0	1.0	2.5	10.5	8.0	9.5	15.5	10.5	13.0
24	4.5	2.0	3.5	6.0	2.0	4.0	12.5	7.0	9.5	16.0	12.5	14.5
25	5.0	2.5	4.0	5.5	4.0	5.0	11.5	8.5	9.5	17.5	13.5	15.5
26	6.0	3.0	4.5	4.5	3.0	3.5	10.5	8.0	9.5	18.0	15.0	16.5
27	5.5	4.0	5.0	3.5	2.5	3.0	11.5	7.5	10.0	18.5	16.0	17.5
28	4.0	2.0	3.0	5.0	2.0	3.5	11.5	9.5	10.0	19.0	16.0	17.5
29	---	---	---	7.0	3.5	5.0	9.5	8.5	9.0	16.5	15.0	15.5
30	---	---	---	8.5	6.0	7.0	9.0	8.0	8.5	17.5	14.5	16.0
31	---	---	---	9.5	7.5	8.5	---	---	---	18.5	15.5	17.0
MONTH	6.0	0.0	2.1	9.5	1.0	4.4	21.5	3.0	10.7	19.0	7.5	13.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	17.0	18.0	26.5	24.5	25.5	29.0	23.0	26.0	20.5	19.0	19.5
2	19.5	17.5	18.5	26.5	22.5	25.0	29.0	23.5	26.5	20.5	18.5	19.5
3	18.5	16.5	17.5	28.0	24.0	26.0	29.5	23.5	26.5	25.0	18.5	21.0
4	18.0	16.0	17.0	30.0	24.5	27.5	29.0	26.0	27.5	25.0	20.5	23.0
5	20.0	16.0	18.0	27.5	24.0	26.0	27.5	25.5	26.5	23.5	20.5	22.0
6	19.5	17.0	18.5	24.5	21.0	23.0	26.5	23.0	24.5	23.0	19.0	21.0
7	17.0	15.5	16.0	25.0	20.5	23.0	23.5	20.5	22.0	22.5	19.0	21.0
8	18.0	15.5	16.5	26.5	20.5	23.5	23.5	20.0	21.5	23.0	20.0	21.5
9	19.0	16.0	17.5	25.5	21.5	23.0	24.0	19.5	22.0	24.5	20.0	22.0
10	20.0	18.0	19.0	26.0	21.5	23.5	24.5	20.5	22.5	25.0	20.5	22.5
11	21.5	17.5	19.0	24.5	19.5	22.0	25.0	21.5	23.5	23.0	19.5	21.0
12	21.0	18.5	20.0	26.0	19.0	22.5	25.5	22.5	24.0	21.0	17.0	19.0
13	20.0	18.5	19.0	26.5	19.5	23.0	26.5	23.0	25.0	20.5	17.0	19.0
14	18.5	16.5	17.5	26.0	22.5	24.0	27.0	23.5	25.5	21.5	18.0	19.5
15	16.5	15.5	16.0	26.5	22.5	24.0	27.0	24.0	25.5	21.5	20.0	20.5
16	18.0	15.0	16.5	26.0	21.5	23.5	26.0	23.5	25.0	21.5	19.5	20.5
17	18.5	16.0	17.0	26.5	20.5	23.5	26.0	23.5	25.0	23.0	18.5	20.5
18	19.5	16.5	18.0	27.5	21.5	25.0	26.5	23.5	25.0	22.0	18.5	20.0
19	20.5	17.0	19.0	27.5	23.0	25.0	26.0	23.5	25.0	21.5	18.5	20.0
20	22.0	18.0	20.0	28.5	21.5	25.0	25.0	23.5	24.5	24.0	19.0	21.0
21	23.0	19.0	21.0	27.5	23.5	25.5	25.0	22.0	23.5	24.0	20.5	22.0
22	24.5	20.0	22.5	29.0	23.5	26.0	23.5	21.5	22.5	24.0	20.5	22.5
23	25.5	22.5	24.0	28.0	24.0	25.5	24.0	22.0	23.0	23.0	18.5	20.5
24	25.5	22.5	24.0	27.0	22.0	24.5	23.0	20.5	21.5	21.0	18.5	19.5
25	25.5	22.0	24.0	26.5	22.5	24.5	23.0	20.0	21.5	20.5	18.0	19.0
26	25.0	22.5	24.0	23.5	21.0	22.5	23.0	20.0	21.5	19.0	17.0	18.0
27	26.0	22.5	24.5	23.0	20.0	22.0	26.5	20.0	23.0	17.5	16.5	17.0
28	25.0	22.5	24.0	24.0	22.0	23.0	23.0	20.5	21.5	17.5	16.5	17.0
29	25.5	21.0	23.5	27.5	23.0	25.0	21.5	19.0	20.0	17.0	15.0	16.0
30	26.5	23.5	25.0	27.5	22.5	25.0	21.0	18.5	19.5	17.5	15.5	16.5
31	---	---	---	28.5	22.0	25.5	23.5	18.5	20.5	---	---	---
MONTH	26.5	15.0	19.8	30.0	19.0	24.3	29.5	18.5	23.6	25.0	15.0	20.1

01432805 DELAWARE RIVER AT POND EDDY, NY

LOCATION.--Lat 41°26'20", long 74°49'11", Pike County, Pa., Hydrologic Unit 02040104, at interstate bridge at Pond Eddy, 450 ft downstream from Mill Brook, and 4.5 mi upstream from Mongaup River.
DRAINAGE AREA.--2,820 mi^2.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1973 to current year.
INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. Prior to August 1994, water-temperature recorder provided one-hour-interval readings.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1976, 1978, 1980-81, 1983-84, 1986, 1989-90, 1992-2002) 31.5°C, July 5, 1999; minimum (water years 1974, 1977-78, 1980, 1983-2002), 0.0°C on many days during winter periods, except 1978, 1980, 1985.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 30.0°C, Aug. 4; minimum, 0.0°C on many days during winter period.

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.5	14.0	15.0	9.5	7.5	8.5	10.5	9.5	9.5	0.5	0.0	0.0
2	17.5	14.0	15.5	10.5	9.0	10.0	9.5	8.0	8.5	0.5	0.0	0.0
3	18.0	15.5	16.0	12.0	10.5	11.0	8.0	7.0	7.5	0.5	0.0	0.0
4	19.5	16.5	17.5	11.5	10.5	11.0	7.5	6.5	7.0	0.5	0.0	0.0
5	19.5	17.0	18.0	11.0	9.0	10.0	8.0	6.5	7.0	0.5	0.0	0.0
6	18.0	16.5	17.5	9.0	8.0	8.5	8.0	7.0	7.5	0.5	0.0	0.0
7	16.5	13.5	15.0	9.0	7.5	8.0	8.5	7.5	8.0	0.5	0.0	0.0
8	13.5	12.0	12.5	8.5	7.5	7.5	7.5	5.0	6.5	0.5	0.0	0.0
9	12.5	10.5	11.5	8.0	6.5	7.5	5.0	4.0	4.5	0.5	0.0	0.0
10	13.0	10.5	11.5	7.5	6.0	6.5	4.5	3.5	4.0	0.5	0.0	0.0
11	14.5	11.5	12.5	6.5	5.5	6.0	4.5	3.5	4.0	0.0	0.0	0.0
12	15.5	13.0	14.0	5.5	4.0	4.5	4.0	3.0	3.5	0.5	0.0	0.0
13	17.0	15.0	15.5	5.0	3.5	4.0	4.5	3.5	4.0	0.5	0.0	0.0
14	17.0	16.0	16.5	5.0	3.5	4.0	5.5	4.5	5.0	0.5	0.0	0.0
15	17.0	15.5	16.5	6.5	4.5	5.5	5.5	4.0	5.0	0.5	0.0	0.0
16	16.0	14.5	15.0	7.5	5.5	6.5	4.0	3.0	3.5	0.5	0.0	0.0
17	14.5	12.5	14.0	7.0	6.0	6.5	3.5	3.0	3.0	0.5	0.0	0.0
18	12.5	11.0	11.5	7.0	5.5	6.0	4.0	3.0	3.5	0.5	0.0	0.0
19	12.0	10.5	11.0	7.5	6.0	6.5	4.0	3.5	3.5	0.5	0.0	0.5
20	12.0	10.5	11.0	7.0	6.0	6.5	4.0	3.5	3.5	0.5	0.0	0.5
21	12.5	10.5	11.5	6.0	5.0	5.5	3.5	2.5	3.0	0.5	0.0	0.5
22	13.5	12.0	12.5	5.5	4.0	4.5	2.5	1.5	2.0	0.5	0.0	0.0
23	14.0	13.0	13.0	5.5	4.0	4.5	2.0	1.5	1.5	0.0	0.0	0.0
24	16.0	13.5	14.5	6.0	4.5	5.0	2.5	1.5	2.0	0.0	0.0	0.0
25	16.0	14.5	15.0	7.5	5.5	6.5	1.5	1.0	1.5	0.5	0.0	0.0
26	14.5	12.0	13.5	8.5	7.5	8.0	1.0	0.0	1.0	0.5	0.0	0.0
27	12.0	10.0	11.0	8.5	8.0	8.0	0.5	0.0	0.0	0.0	0.0	0.0
28	10.0	8.5	9.5	9.5	8.0	8.5	0.5	0.0	0.0	0.0	0.0	0.0
29	9.5	8.0	8.5	9.0	8.5	8.5	0.5	0.0	0.0	0.0	0.0	0.0
30	9.5	8.0	8.5	9.5	8.5	9.0	0.5	0.0	0.0	0.0	0.0	0.0
31	8.5	8.0	8.0	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
MONTH	19.5	8.0	13.3	12.0	3.5	7.1	10.5	0.0	3.9	0.5	0.0	0.0

01432805 DELAWARE RIVER AT POND EDDY, NY--Continued

WATER TEMPERATURE (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.5	0.0	0.0	4.0	2.5	3.0	9.5	8.5	9.0	10.5	8.0	9.0
2	0.5	0.0	0.5	3.0	2.0	2.5	8.5	7.5	8.0	10.0	9.5	10.0
3	0.5	0.0	0.0	5.5	3.0	4.0	8.0	7.0	7.5	10.5	9.5	10.0
4	0.5	0.0	0.5	5.0	3.0	4.0	7.5	6.0	6.5	11.5	9.0	10.0
5	0.5	0.0	0.0	3.0	1.5	2.5	6.5	5.0	6.0	13.5	10.5	12.0
6	0.5	0.0	0.0	3.5	2.0	2.5	5.5	4.0	5.0	15.0	12.0	13.5
7	0.5	0.0	0.5	4.0	2.5	3.5	6.0	3.5	5.0	16.5	14.0	15.0
8	1.5	0.5	1.0	6.0	3.5	4.5	6.5	5.5	6.0	16.5	14.5	16.0
9	2.5	1.0	1.5	7.0	5.0	6.0	9.0	6.5	7.5	16.5	14.0	15.0
10	3.0	2.0	2.5	7.5	5.5	7.0	11.0	8.5	9.5	16.0	13.0	14.5
11	3.0	2.0	3.0	5.5	4.0	4.5	11.5	9.0	10.5	15.5	13.5	14.5
12	2.0	1.0	1.0	4.0	3.5	4.0	11.0	9.5	10.5	15.5	13.5	14.5
13	1.5	0.5	1.0	3.5	3.0	3.5	12.0	10.5	11.5	13.5	11.5	12.5
14	1.0	0.0	0.5	6.0	3.0	4.5	14.5	12.0	13.0	11.5	11.0	11.0
15	1.0	0.0	0.5	8.0	5.5	6.5	16.5	14.5	15.5	12.0	10.0	11.0
16	2.0	0.5	1.5	8.5	7.5	8.0	18.0	15.0	16.5	13.5	11.0	12.0
17	3.0	2.0	2.5	7.5	6.0	6.5	19.5	16.0	18.0	14.5	13.0	13.5
18	2.5	1.5	2.0	6.0	4.5	5.5	20.5	17.5	19.0	14.0	12.0	13.0
19	2.5	1.5	2.0	5.0	4.5	4.5	20.5	18.0	19.0	12.0	10.5	11.0
20	3.0	2.5	3.0	4.5	3.5	4.0	20.0	17.5	18.0	10.5	9.5	10.0
21	5.0	3.0	4.0	5.5	3.0	4.5	17.5	14.0	15.5	10.5	9.5	10.0
22	5.0	4.5	5.0	5.0	3.0	3.5	14.0	11.5	13.0	12.5	9.5	11.0
23	5.0	4.0	4.5	3.5	2.0	3.0	11.5	9.5	10.5	14.5	11.0	12.5
24	4.5	3.0	4.0	5.0	3.0	4.0	11.0	8.5	10.0	16.0	13.0	14.5
25	4.5	3.5	4.0	5.0	4.5	5.0	11.0	9.0	10.0	17.0	14.0	15.5
26	5.5	4.0	4.5	4.5	3.5	4.0	10.0	8.5	9.5	17.5	16.0	16.5
27	5.5	4.0	5.0	3.5	3.0	3.5	11.0	8.5	10.0	18.5	17.0	17.5
28	4.0	2.5	3.5	4.5	2.5	3.5	11.0	10.0	10.5	19.0	17.0	18.0
29	---	---	---	6.0	4.0	5.0	10.0	8.5	9.5	17.0	16.0	16.5
30	---	---	---	8.0	6.0	7.0	8.5	8.0	8.5	18.0	15.5	16.5
31	---	---	---	9.0	8.0	8.5	---	---	---	18.5	16.5	17.5
MONTH	5.5	0.0	2.1	9.0	1.5	4.6	20.5	3.5	10.9	19.0	8.0	13.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	17.5	18.5	27.0	24.5	25.5	28.5	25.0	26.0	21.0	19.5	20.0
2	19.0	18.0	18.5	26.0	24.0	25.5	28.5	25.5	26.5	20.0	19.0	19.5
3	19.0	17.0	18.0	27.5	25.0	26.0	29.5	25.5	27.0	23.5	19.5	21.0
4	18.5	16.5	17.5	28.5	26.0	27.0	30.0	26.0	27.5	25.0	21.5	22.5
5	20.0	17.0	18.5	28.0	25.0	26.5	28.5	26.5	27.5	24.5	22.0	22.5
6	20.0	18.0	19.0	25.5	22.5	23.5	27.5	24.5	25.5	24.0	20.5	21.5
7	18.0	16.5	17.0	24.5	21.5	23.0	24.5	22.0	23.0	23.5	20.0	21.5
8	17.5	15.5	16.5	26.5	22.0	24.0	24.0	20.5	22.0	24.5	20.5	22.0
9	19.0	16.5	17.5	24.5	23.0	23.5	25.0	20.5	22.5	25.0	20.5	22.5
10	20.5	18.0	19.0	25.5	22.5	23.5	25.5	21.5	23.0	25.5	22.0	23.0
11	21.5	18.5	20.0	24.5	21.0	22.5	26.5	22.0	24.0	23.0	20.5	22.0
12	21.5	20.0	20.5	25.5	20.5	22.5	27.0	23.0	24.5	21.5	18.0	19.5
13	21.0	19.5	20.0	25.0	21.5	23.0	27.5	24.0	25.5	21.5	18.0	19.0
14	19.5	17.5	18.0	25.0	21.5	23.0	27.5	24.5	26.0	21.5	18.5	20.0
15	17.5	16.0	16.5	26.5	22.5	24.5	28.0	25.0	26.0	21.0	20.5	20.5
16	17.5	16.0	16.5	26.5	23.0	24.5	26.5	25.0	25.5	22.0	20.5	21.0
17	18.0	16.5	17.5	27.0	22.5	24.0	27.5	24.5	25.5	23.5	19.5	21.0
18	19.5	17.0	18.0	27.0	24.0	25.0	27.5	24.5	26.0	22.5	19.5	20.5
19	21.0	18.0	19.5	26.0	24.5	25.5	27.5	24.5	25.5	21.5	19.5	20.0
20	22.0	19.0	20.5	27.0	24.0	25.0	26.5	24.5	25.0	23.0	19.5	21.0
21	22.5	20.0	21.5	26.5	24.5	25.5	26.0	23.0	24.5	23.0	21.0	22.0
22	23.5	21.0	22.5	28.0	25.0	26.0	24.0	22.5	23.5	24.0	22.0	22.5
23	25.5	23.5	24.5	27.5	25.0	26.5	25.5	23.0	24.0	23.0	20.5	21.5
24	25.5	23.5	24.5	27.0	24.5	25.5	24.0	21.5	22.5	21.5	19.5	20.5
25	25.0	23.0	24.0	25.5	23.5	24.5	23.5	20.5	21.5	20.5	18.5	19.5
26	24.5	23.0	24.0	24.0	22.0	23.0	23.5	21.0	22.0	19.0	18.0	18.5
27	25.0	22.5	23.5	23.0	21.5	22.0	25.0	21.0	22.5	18.0	17.0	17.0
28	24.5	23.0	24.0	24.0	22.0	22.5	23.0	21.5	22.0	18.0	17.0	17.5
29	24.0	22.0	23.0	27.5	23.0	25.0	21.5	19.5	20.5	17.0	16.0	16.5
30	26.5	23.5	24.5	27.5	25.0	26.0	21.0	19.0	20.0	18.0	16.5	17.0
31	---	---	---	28.5	24.0	26.0	22.0	19.5	20.5	---	---	---
MONTH	26.5	15.5	20.1	28.5	20.5	24.5	30.0	19.0	24.1	25.5	16.0	20.4

01434000 DELAWARE RIVER AT PORT JERVIS, NY

LOCATION.--Lat 41°22'14", long 74°41'52", Pike County, PA, Hydrologic Unit 02040104, on right bank 250 ft downstream from bridge (on U.S. Highways 6 and 209) between Port Jervis, N.Y. and Matamoras, PA, 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.
DRAINAGE AREA.--3,070 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1904 to current year.
REVISED RECORDS.--WSP 1031: 1905-36. WDR NY-71-1: 1970. WDR NY-82-1: Drainage area. WDR NY-86-1: 1979-80.
GAGE.--Water-stage recorder. Datum of gage is 415.35 ft above NGVD of 1929. October 1904 to August 13, 1928, non- recording gage at bridge 250 ft upstream at present datum; operated by U.S. Weather Service prior to June 20, 1914.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Lake Wallenpaupack and by Toronto, Cliff Lake, and Swinging Bridge Reservoirs (see Reservoirs in Delaware River Basin) and smaller reservoirs. Large diurnal fluctuations at medium and low flows caused by powerplants on tributary streams. Subsequent to September 1954, entire flow from 371 mi^2 of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi^2 of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite and telephone gage-height telemeters and National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to current degree of regulation, 233,000 ft^3/s, Aug. 19, 1955, gage height, 23.91 ft, from floodmarks in gage house, from rating curve extended above 89,000 ft^3/s, on basis of slope-area measurement of peak flow; maximum discharge since current degree of regulation, 134,000 ft^3/s, Jan. 20, 1996, gage height, 18.37 ft; maximum gage height, 26.6 ft, Feb. 12, 1981 (ice jam), from floodmarks; minimum observed discharge, 175 ft^3/s, Sept. 23, 1908, gage height, 0.6 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--The U.S. Weather Bureau reported a discharge of 205,000 ft^3/s, Oct. 10, 1903, gage height, 23.1 ft, from rating curve extended above 70,000 ft^3/s, by velocity-area studies; maximum gage height, 25.5 ft, Mar. 8, 1904 (ice jam).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,400 ft^3/s, May 14, gage height, 7.68 ft; minimum, 560 ft^3/s, Jan. 20, gage height, 1.53 ft, result of freezeup.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1470	1530	1390	1120	6400	2000	7710	11000	7710	2350	1520	1330
2	1540	1660	2040	1100	6580	1670	7420	10100	7240	3000	1570	1390
3	1730	1570	1950	1340	5900	1800	5860	11000	5570	2920	1540	1500
4	1700	1510	1460	1330	4640	2320	5610	7870	4930	2370	1580	1530
5	1700	1600	1260	1350	4050	2610	5010	6420	4510	2440	1510	1490
6	1780	1530	1160	1120	3310	2110	4060	5750	6100	2100	1730	1660
7	1640	1480	1230	1000	2890	2010	3260	5020	19000	1900	1570	1670
8	1770	1470	1110	e980	2540	1900	3520	4610	16100	1800	1540	1520
9	1650	1430	1160	1040	2290	1790	3510	4430	9930	2010	1530	1420
10	1670	1410	1060	1010	2110	1890	3490	4430	8070	2090	1570	1600
11	1750	1420	985	1110	3840	2180	3290	3840	7350	1960	1530	1590
12	1710	1380	1100	1060	8530	2240	3210	3340	6160	1770	1500	1590
13	1790	1350	1180	1020	6040	2030	2470	8140	5740	1610	1560	1670
14	1630	1400	1140	1050	4500	2000	2380	23900	5750	1370	1570	1690
15	1680	1340	1370	1010	3530	2030	4110	18200	8030	1480	1540	1800
16	1780	1420	1840	919	3310	1960	6080	12700	9290	1700	1680	1990
17	1790	1390	1810	885	2940	2140	5400	9800	8450	1670	1700	1580
18	1790	1370	2200	872	2690	2270	4790	10600	6980	1830	1670	1500
19	1710	1360	5430	764	2350	2110	4310	16000	6190	1600	1600	1700
20	1700	1350	4410	666	2120	2240	3500	11600	5390	1700	1640	1470
21	1660	1370	3530	802	2120	2580	3040	8870	4740	1810	1630	1380
22	1690	1390	2840	987	2450	3270	2940	7250	3830	1690	1730	1570
23	1710	1380	2360	e980	2660	3250	3260	6150	3150	1700	1530	790
24	1690	1390	2100	e940	2350	2850	3090	5880	3530	1760	1590	1980
25	1810	1420	2060	e1100	2110	2900	3130	5200	3620	1940	1650	1650
26	1910	1420	2100	1450	2040	3130	3750	3860	3840	1640	1620	1560
27	1750	1660	1640	1980	1940	12200	3810	3650	3850	1560	1410	1700
28	1770	1480	1550	1980	1960	13700	4210	4280	3720	1570	1500	3110
29	1720	1340	1320	2240	---	10000	13600	12100	3140	1540	1750	2970
30	1720	1230	1440	2420	---	8500	13400	8980	2190	1660	1850	2050
31	1680	---	1200	5610	---	8210	---	7160	---	1500	1590	---
TOTAL	53090	43050	57425	41235	98190	111890	143220	262130	194100	58040	49500	50450
MEAN	1713	1435	1852	1330	3507	3609	4774	8456	6470	1872	1597	1682
MAX	1910	1660	5430	5610	8530	13700	13600	23900	19000	3000	1850	3110
MIN	1470	1230	985	666	1940	1670	2380	3340	2190	1370	1410	790

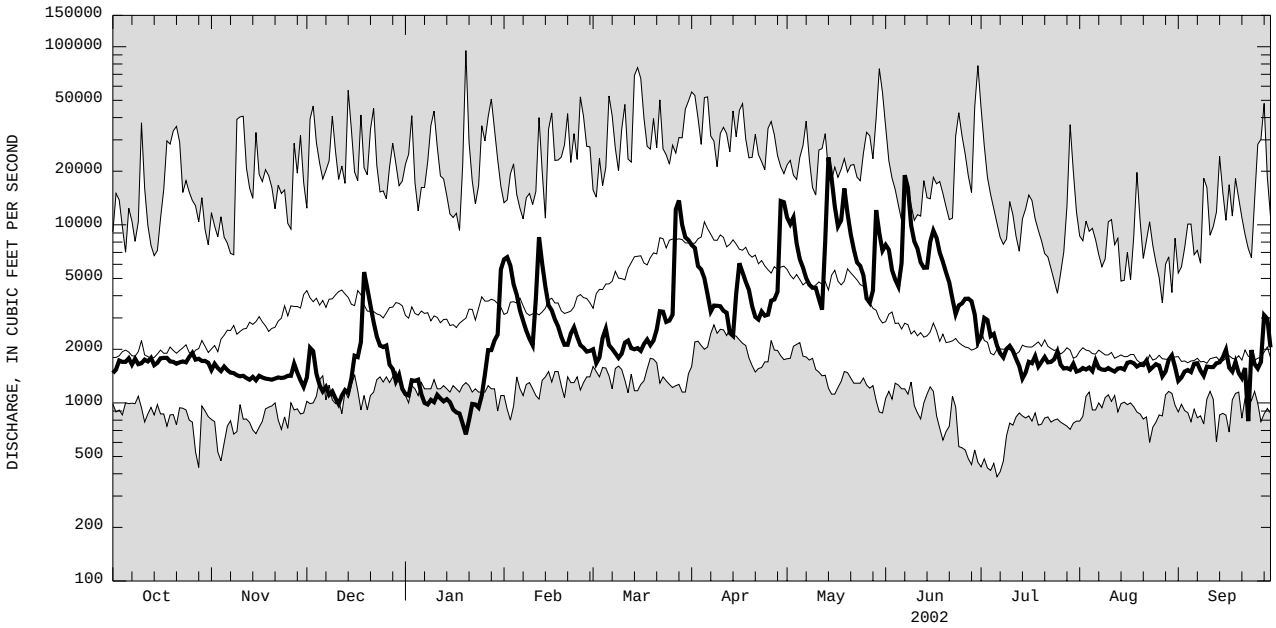
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2002, BY WATER YEAR (WY)

MEAN	2932	3985	5065	4707	5071	7925	9402	6135	3949	2672	2213	2381
MAX	10440	10310	17280	12980	13730	17520	23650	12670	12650	6680	4513	7928
(WY)	1978	1973	1997	1996	1976	1977	1993	1984	1972	1973	1969	1987
MIN	1001	884	1475	1216	1601	2583	2954	1890	993	699	963	1144
(WY)	1965	1965	1999	1981	1980	1981	1985	1995	1965	1965	1965	1965

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1964 - 2002	
ANNUAL TOTAL	1225225		1162320			
ANNUAL MEAN	3357		3184		4698	
HIGHEST ANNUAL MEAN					7216	1973
LOWEST ANNUAL MEAN					2028	1965
HIGHEST DAILY MEAN	32600	Apr 10	23900	May 14	95200	Jan 20 1996
LOWEST DAILY MEAN	985	Dec 11	666	Jan 20	385	Jul 6 1965
ANNUAL SEVEN-DAY MINIMUM	1100	Dec 8	842	Jan 16	432	Jul 1 1965
10 PERCENT EXCEEDS	5880		7190		10200	
50 PERCENT EXCEEDS	1920		1830		2800	
90 PERCENT EXCEEDS	1410		1330		1500	

e Estimated

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued



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.

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-60, 1964 to January 1994, June 1997, 1999 to August 2001 to current year.
CHEMICAL DATA: 1958-59 (e), 1964-65 (c), 1966 (a), 1967-68 (c), 1969-76 (d), 1987 (b), 1988-89 (c), 1990-91 (b), 1992, 1997 (a), 1999-2001 (d), 2002 (b).
MINOR ELEMENTS DATA: 1970, 1972-73 (a), 1974-76 (c), 1987 (b), 1988-89 (c), 1990-91 (b), 1992 (a), 2002 (b).
PESTICIDE DATA: 1974 (a), 1987 (b), 1988-89 (c), 1990 (b), 1997 (a), 1999 (c), 2000-01 (d).
ORGANIC DATA: OC--1974 (b), 1975, 1999-2001 (d).
NUTRIENT DATA: 1968 (a), 1969-76 (d), 1987 (b), 1988-89 (c), 1990 (b), 1999-2001 (d), 2002 (b).
BIOLOGICAL DATA:
Bacteria--1973-76 (d).
Phytoplankton--1974 (b), 1975-76 (c).
Periphyton--1976 (a).
SEDIMENT DATA: 1959, 1976 (c), 1988 (b), 1989 (c), 1990-91 (b), 1992 (a), 1999-2001 (d).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January to September 1973
WATER TEMPERATURE: February 1957 to September 1960, January to September 1973, June 1974 to January 1994, October 1998 to August 2001.
SUSPENDED-SEDIMENT DISCHARGE: February 1957 to September 1960, March 1970 to June 1976.

REMARKS.--The non-daily water-quality records for this site for water year 2002 were collected, stored, and reported in local standard time and were furnished by the Pennsylvania District. Samples were analyzed by the Pennsylvania State Department of Environmental Resources.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum (water years 1957-59, 1973-81, 1983-84, 1988-93, 1999-2000), 30.5°C, July 5, 1999; minimum (water years 1958-60, 1973, 1975-93, 1999, 2001), 0.0°C on many days during winter periods, except 1984.
SUSPENDED-SEDIMENT CONCENTRATION (water years 1957-60, 1970-76): Maximum daily mean, 760 mg/L, June 29, 1973; minimum daily mean, less than 1 mg/L on many days.
SUSPENDED-SEDIMENT DISCHARGE (water years 1957-60, 1970-76): Maximum daily, 187,000 tons, June 29, 1973; minimum daily, 1 ton, Aug. 29, 1957.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANC WATER UNFLTRD FET LAB (MG/L AS CACO3) (00417)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
APR 2002													
04...	0930	9813	5050	40	12.5	7.2	69	6.9	19	5.8	1.2	11	7.6
JUN													
05...	0930	9813	3990	40	9.3	7.3	75	17.9	20	5.9	1.2	12	7.4
AUG													
07...	0900	9813	1550	40	8.3	7.7	98	22.9	26	7.5	1.8	17	7.7

Date	RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	COPPER, TOTAL RECOV-ERABLE (µG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (µG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (µG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (µG/L AS MN) (01055)
APR 2002													
04...	210	2	<.020	.22	<.040	.48	<.01	.020	2.3	<10	100	<1.0	30
JUN													
05...	50	<2	<.020	.08	<.040	.23	<.01	.020	2.9	<10	270	<1.0	40
AUG													
07...	<2	<2	<.020	.22	<.040	.36	.01	.010	2.7	<10	100	<1.0	50

Date	NICKEL, TOTAL RECOV-ERABLE (µG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (µG/L AS ZN) (01092)
APR 2002		
04...	<50	<10
JUN		
05...	<50	<10
AUG		
07...	<50	<10

0143400680 EAST BRANCH NEVERSINK RIVER NORTHEAST OF DENNING, NY

LOCATION.--Lat 41°58'01", long 74°26'54", Ulster County, Hydrologic Unit 02040104, on right bank 0.3 mi upstream from Tray Mill Brook, and 2.3 mi northeast of Denning.
DRAINAGE AREA.--8.93 mi^2.
PERIOD OF RECORD.--October 1990 to current year. Occasional discharge measurements, water years 1988-90.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,140 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges and those above 300 ft^3/s, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft^3/s, Sept. 16, 1999, gage height, 6.96 ft, from rating curve extended above 150 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 2.0 ft^3/s, Aug. 7, 8, 9, 1991; minimum gage height, 1.05 ft, Aug. 29, 30, 31, Sept. 1, 2, 1993.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sept. 27	2245	*584	*4.18	No other peak greater than base discharge.			

a From rating curve extended as explained above.

Minimum discharge, 2.3 ft^3/s, Sept. 14, gage height, 1.35 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	5.6	86	e12	44	e12	64	42	26	14	5.1	4.2
2	7.1	5.6	28	e11	43	e11	48	58	21	13	5.6	4.0
3	6.5	5.5	20	e11	e24	46	50	59	19	12	6.2	3.8
4	6.1	5.4	17	e10	e21	28	46	42	19	12	5.0	4.8
5	5.7	5.6	15	e10	e20	e19	37	38	21	11	4.9	3.9
6	6.2	5.7	14	10	e18	e18	32	34	34	11	4.6	3.3
7	5.8	5.6	13	11	e16	17	29	32	59	10	4.5	3.0
8	5.5	5.6	12	10	15	16	26	30	35	9.6	4.3	2.8
9	5.3	5.5	12	9.8	14	18	26	29	28	9.6	4.1	2.7
10	5.2	5.4	11	9.8	17	72	32	28	25	9.3	4.0	2.7
11	5.1	5.3	11	9.4	44	e29	26	25	22	8.7	3.8	2.6
12	5.1	5.2	11	9.0	e26	25	24	30	22	8.4	3.7	2.5
13	5.1	5.2	15	8.7	e19	23	40	70	22	8.0	3.5	2.5
14	5.0	5.1	23	8.4	e16	27	92	81	25	7.9	3.5	2.4
15	12	5.0	31	8.4	e15	25	142	49	37	7.6	3.5	4.5
16	8.0	5.0	19	8.0	e15	32	60	40	53	7.0	3.5	20
17	7.7	4.8	19	8.0	15	27	47	36	30	6.8	3.4	7.1
18	6.8	4.7	43	7.8	e14	24	42	53	25	6.4	3.4	4.5
19	6.4	4.6	27	e7.6	e14	22	41	43	23	27	3.1	3.7
20	6.2	4.9	22	e7.4	14	22	40	38	21	14	4.5	3.4
21	5.9	4.8	20	e7.4	20	22	35	35	20	8.4	3.6	3.2
22	5.9	4.7	18	e7.2	18	e20	33	33	20	7.4	3.4	5.7
23	5.8	4.6	17	e7.0	15	e20	30	31	23	8.6	3.5	4.7
24	6.8	4.7	21	11	e13	18	28	29	21	7.8	4.7	3.8
25	6.3	5.5	18	12	13	17	32	27	18	6.7	4.3	3.3
26	5.9	7.3	16	8.9	13	27	30	26	19	6.5	3.4	3.3
27	5.8	5.8	e15	8.1	e13	104	26	25	19	6.7	3.2	75
28	5.6	5.3	e14	8.1	e12	40	61	25	18	6.6	3.0	102
29	5.5	5.9	e14	9.5	---	38	84	23	15	6.1	15	19
30	5.5	42	e13	28	---	71	48	25	14	5.6	9.0	12
31	5.6	---	e13	21	---	62	---	28	---	5.2	5.1	---
TOTAL	193.5	195.9	628	315.5	541	952	1351	1164	754	288.9	142.4	320.4
MEAN	6.24	6.53	20.3	10.2	19.3	30.7	45.0	37.5	25.1	9.32	4.59	10.7
MAX	12	42	86	28	44	104	142	81	59	27	15	102
MIN	5.0	4.6	11	7.0	12	11	24	23	14	5.2	3.0	2.4
CFSM	0.70	0.73	2.27	1.14	2.16	3.44	5.04	4.20	2.81	1.04	0.51	1.20
IN.	0.81	0.82	2.62	1.31	2.25	3.97	5.63	4.85	3.14	1.20	0.59	1.33

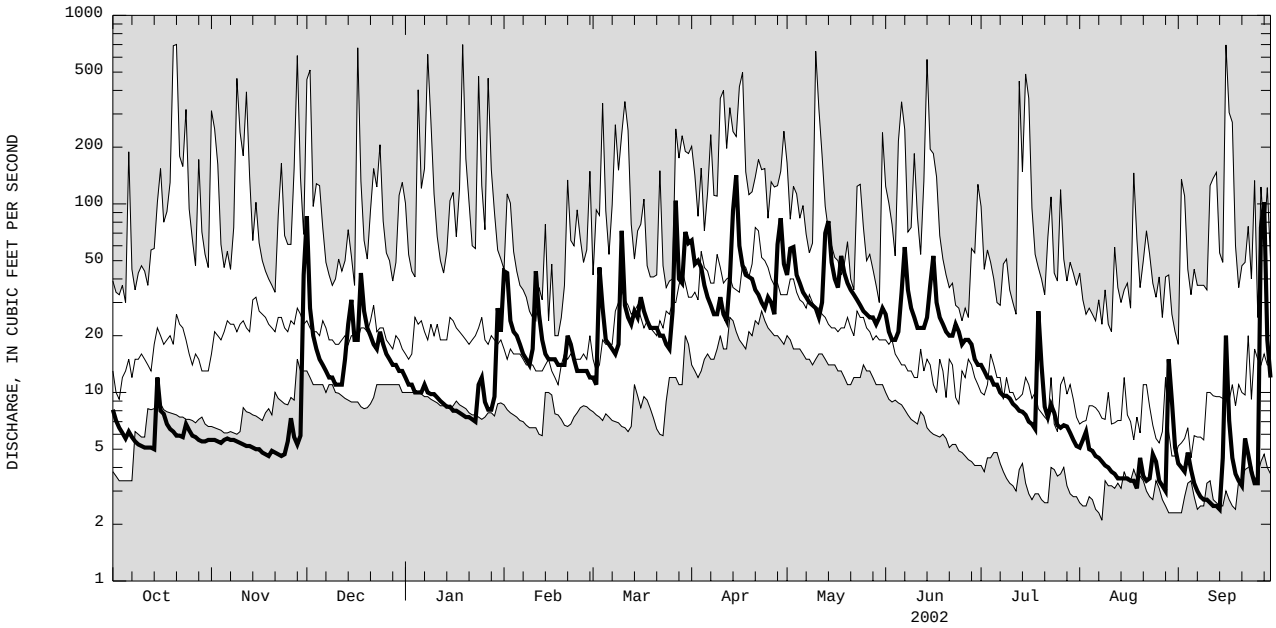
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	26.6	33.6	31.9	33.8	18.9	37.2	63.3	34.9	26.3	19.1	11.5	19.4
MAX	69.7	58.7	79.8	72.6	37.0	63.7	139	78.7	63.7	63.0	28.5	56.9
(WY)	1996	1996	1997	1996	1996	1998	1993	1998	1998	1996	1994	1999
MIN	6.24	6.53	11.8	10.2	9.95	11.5	21.6	15.0	6.52	3.90	3.55	4.35
(WY)	2002	2002	1999	2002	2001	2001	1995	1995	1991	1991	1993	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1991 - 2002	
ANNUAL TOTAL	7288.6		6846.6			
ANNUAL MEAN	20.0		18.8		29.7	
HIGHEST ANNUAL MEAN					47.1	1996
LOWEST ANNUAL MEAN					18.8	2002
HIGHEST DAILY MEAN	324	Apr 13	142	Apr 15	701	Oct 21 1995
LOWEST DAILY MEAN	2.4	Sep 19	2.4	Sep 14	2.1	Aug 8 1991
ANNUAL SEVEN-DAY MINIMUM	2.9	Sep 7	2.6	Sep 8	2.4	Aug 27 1993
ANNUAL RUNOFF (CFSM)	2.24		2.10		3.33	
ANNUAL RUNOFF (INCHES)	30.36		28.52		45.23	
10 PERCENT EXCEEDS	37		41		54	
50 PERCENT EXCEEDS	10		13		18	
90 PERCENT EXCEEDS	4.5		4.3		5.5	

e Estimated

0143400680 EAST BRANCH NEVERSINK RIVER NORTHEAST OF DENNING, NY--Continued



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.

01434017 EAST BRANCH NEVERSINK RIVER NEAR CLARYVILLE, NY

LOCATION.--Lat 41°55'31", long 74°32'26", Ulster County, Hydrologic Unit 02040104, on left bank at downstream side of bridge on Denning Road, 1.6 mi southwest of Ladleton, and 1.9 mi northeast of the village of Claryville.
DRAINAGE AREA.--22.9 mi^2.
PERIOD OF RECORD.--July 1991 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 1,740 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,240 ft^3/s, Jan. 19, 1996, gage height, 11.25 ft; minimum, 4.5 ft^3/s, Aug. 12, 2002, gage height, 5.31 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sept. 27	2345	*806	*8.16				

Minimum discharge, 4.5 ft^3/s, Aug. 12, gage height, 5.31 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	13	154	e31	93	e30	147	104	66	30	11	10
2	18	13	58	e29	101	37	115	139	51	28	11	9.8
3	17	13	44	e28	e60	96	110	131	46	26	13	9.3
4	16	12	37	e27	e52	64	103	99	44	25	10	12
5	15	12	34	e26	50	e50	84	87	51	24	11	9.7
6	16	12	31	e26	e43	e46	76	80	88	23	9.5	8.2
7	16	12	28	e28	e40	43	67	75	138	22	9.0	7.4
8	14	12	27	e27	42	41	62	68	82	21	8.7	7.0
9	14	12	27	e26	38	43	61	68	66	20	8.2	6.6
10	14	12	25	e25	40	138	66	66	59	20	7.7	6.3
11	14	11	25	26	115	74	57	57	54	19	7.5	6.7
12	14	11	24	23	74	60	54	70	54	18	7.0	7.2
13	13	11	33	23	52	56	66	162	52	18	7.1	7.3
14	13	11	47	21	e43	63	162	185	58	17	7.1	7.2
15	30	11	65	21	e40	61	236	123	71	16	7.2	12
16	20	11	43	21	e39	71	128	97	108	15	7.2	50
17	18	10	45	21	e38	61	100	87	65	14	7.1	21
18	16	10	110	e21	e37	56	88	143	54	14	7.2	14
19	15	10	71	e20	e34	53	82	110	53	38	7.4	11
20	15	11	58	e20	37	e50	80	92	48	34	12	10
21	14	10	52	e19	50	e48	72	84	46	18	9.7	9.5
22	14	10	45	e19	46	e46	68	78	43	16	8.4	14
23	14	9.9	44	e18	e36	e44	63	72	46	22	8.3	13
24	17	10	56	e24	e35	45	58	67	52	20	11	11
25	16	12	46	e28	e33	44	76	62	40	15	12	9.6
26	14	18	41	26	e33	61	74	60	40	14	8.6	9.5
27	13	13	e38	23	e33	261	59	56	46	14	7.5	92
28	13	12	e36	23	e31	119	135	56	41	14	6.8	200
29	13	13	e35	27	---	112	188	54	35	14	30	43
30	13	49	e34	67	---	181	119	57	32	12	23	26
31	13	---	e32	59	---	154	---	71	---	11	13	---
TOTAL	482	386.9	1445	823	1365	2308	2856	2760	1729	612	314.2	660.3
MEAN	15.5	12.9	46.6	26.5	48.8	74.5	95.2	89.0	57.6	19.7	10.1	22.0
MAX	30	49	154	67	115	261	236	185	138	38	30	200
MIN	13	9.9	24	18	31	30	54	54	32	11	6.8	6.3
CFSM	0.68	0.56	2.04	1.16	2.13	3.25	4.16	3.89	2.52	0.86	0.44	0.96
IN.	0.78	0.63	2.35	1.34	2.22	3.75	4.64	4.48	2.81	0.99	0.51	1.07

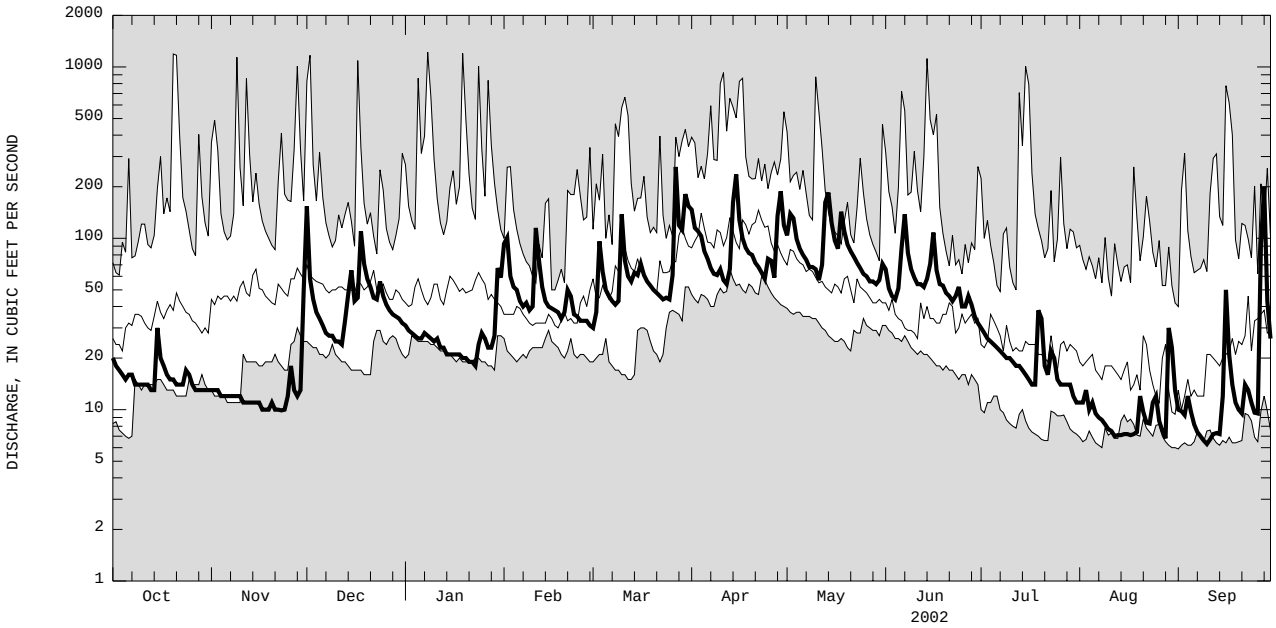
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	52.5	73.8	71.6	80.7	47.7	87.7	145	76.1	62.4	42.7	25.2	38.1
MAX	134	134	181	159	86.9	137	301	143	135	137	59.5	97.4
(WY)	1996	1996	1997	1996	1996	1998	1993	1998	1998	1996	1994	1999
MIN	15.5	12.9	23.7	26.5	25.4	36.1	55.2	36.0	23.9	9.71	8.86	8.46
(WY)	2002	2002	1999	2002	2001	2001	1995	1995	1999	1991	1993	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1991 - 2002	
ANNUAL TOTAL	16135.0		15741.4			
ANNUAL MEAN	44.2		43.1		67.4	
HIGHEST ANNUAL MEAN					101	1996
LOWEST ANNUAL MEAN					43.1	2002
HIGHEST DAILY MEAN	578	Apr 13	261	Mar 27	1220	Jan 8 1998
LOWEST DAILY MEAN	6.5	Sep 9	6.3	Sep 10	5.9	Sep 1 1993
ANNUAL SEVEN-DAY MINIMUM	7.9	Sep 7	6.9	Sep 8	6.3	Aug 27 1993
ANNUAL RUNOFF (CFSM)	1.93		1.88		2.94	
ANNUAL RUNOFF (INCHES)	26.21		25.57		40.01	
10 PERCENT EXCEEDS	79		92		128	
50 PERCENT EXCEEDS	26		31		42	
90 PERCENT EXCEEDS	11		10		14	

e Estimated

01434017 EAST BRANCH NEVERSINK RIVER NEAR CLARYVILLE, NY--Continued



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.

01434021 WEST BRANCH NEVERSINK RIVER AT WINNISOOK LAKE NEAR FROST VALLEY, NY

LOCATION.--Lat 42°00'40", long 74°24'53", Ulster County, Hydrologic Unit 02040104, on right bank 0.1 mi southwest of Winnisook Lake, and 4.5 mi northeast of Frost Valley.
DRAINAGE AREA.--0.77 mi^2.
PERIOD OF RECORD.--January 1991 to current year.
REVISED RECORDS.--WDR NY-94-1: 1992-93(P). WDR NY-01-1: 2000.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,680 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges and those above 60 ft^3/s, which are poor. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 212 ft^3/s, Sept. 16, 1999, gage height, 3.30 ft; minimum, 0.05 ft^3/s, Aug. 6, 7, 8, 1991, gage height, 0.93 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 35 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 10	0215	*52	*1.76	Sept. 27	2215	51	1.75
Apr. 15	0100	38	1.67				

Minimum discharge, 0.18 ft^3/s, Sept. 9, gage height, 1.05 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.80	0.50	12	e0.70	4.3	1.1	5.2	2.8	1.8	0.86	0.34	0.26
2	0.68	0.50	3.1	e0.68	4.2	1.5	3.3	5.3	1.6	0.80	0.30	0.26
3	0.55	0.46	1.4	e0.66	2.2	3.7	3.9	8.1	1.5	0.74	0.29	0.24
4	0.52	0.41	0.90	e0.62	1.4	2.5	3.5	4.0	1.4	0.72	0.27	0.31
5	0.47	0.45	0.76	e0.56	1.2	2.7	2.4	3.1	1.5	0.68	0.29	0.24
6	e0.52	0.45	0.68	e0.54	1.2	1.2	2.0	2.7	2.7	0.67	0.31	0.22
7	e0.50	0.48	0.61	e0.52	0.95	1.0	1.7	2.5	8.7	0.63	0.31	0.22
8	e0.47	0.44	0.54	0.50	0.89	0.98	1.6	2.3	4.4	0.58	0.30	0.22
9	e0.46	0.46	0.58	e0.47	0.78	1.3	1.7	2.1	3.0	0.57	0.29	0.21
10	e0.45	0.50	0.50	e0.45	1.0	16	2.5	1.8	2.4	0.54	0.29	0.22
11	e0.44	0.50	0.48	e0.43	3.0	3.6	1.9	1.6	2.2	0.50	0.28	0.25
12	e0.43	0.48	0.43	0.43	2.3	2.3	1.7	1.7	2.2	0.49	0.28	0.25
13	e0.42	0.44	0.61	e0.42	1.3	1.9	4.3	4.8	2.0	0.46	0.25	0.23
14	e0.45	0.46	0.91	e0.40	1.3	1.9	9.3	7.3	2.0	0.46	0.26	0.26
15	e1.0	0.50	1.6	e0.39	1.2	1.9	18	4.1	2.2	0.43	0.25	0.49
16	e0.74	0.50	1.1	e0.38	1.0	2.8	6.4	3.0	3.0	0.41	0.28	0.80
17	e0.68	0.44	1.1	e0.39	0.93	2.2	4.8	2.5	2.4	0.40	0.25	0.44
18	e0.62	0.43	2.7	e0.36	0.81	1.9	3.8	2.6	2.2	0.39	0.26	0.29
19	e0.58	0.53	2.0	e0.36	0.78	1.7	3.4	2.2	2.0	1.1	0.25	0.26
20	e0.56	0.65	1.6	e0.37	0.84	1.7	3.1	2.1	1.9	0.70	0.29	0.26
21	e0.54	0.59	1.3	e0.36	1.1	1.4	2.4	2.1	1.7	0.54	0.25	0.26
22	e0.54	0.52	1.1	0.36	0.94	1.5	2.1	2.1	1.6	0.50	0.26	0.42
23	e0.50	0.52	1.0	0.39	0.79	1.5	1.9	2.1	1.6	0.57	0.26	0.34
24	e0.56	0.55	1.1	0.58	0.88	1.2	1.7	2.1	1.4	0.52	0.34	0.31
25	e0.50	0.54	0.93	0.44	0.78	1.1	1.8	1.9	1.3	0.42	0.28	0.29
26	e0.47	0.54	0.92	0.36	0.79	1.9	1.5	1.8	1.3	0.40	0.25	0.32
27	e0.47	0.40	0.87	0.36	0.79	8.5	1.4	1.6	1.2	0.38	0.24	6.3
28	e0.49	0.33	e0.84	0.36	0.75	3.2	3.6	1.5	1.1	0.36	0.24	12
29	0.48	0.44	e0.78	0.42	---	2.8	7.7	1.4	0.96	0.36	0.86	2.5
30	0.46	6.6	0.76	1.7	---	5.9	3.7	1.4	0.92	0.35	0.47	1.4
31	0.45	---	e0.74	1.3	---	5.1	---	1.6	---	0.34	0.31	---
TOTAL	16.80	20.61	43.94	16.26	38.40	87.98	112.3	86.2	64.18	16.87	9.40	30.07
MEAN	0.54	0.69	1.42	0.52	1.37	2.84	3.74	2.78	2.14	0.54	0.30	1.00
MAX	1.0	6.6	12	1.7	4.3	16	18	8.1	8.7	1.1	0.86	12
MIN	0.42	0.33	0.43	0.36	0.75	0.98	1.4	1.4	0.92	0.34	0.24	0.21
CFSM	0.70	0.89	1.84	0.68	1.78	3.69	4.86	3.61	2.78	0.71	0.39	1.30
IN.	0.81	1.00	2.12	0.79	1.86	4.25	5.43	4.16	3.10	0.82	0.45	1.45

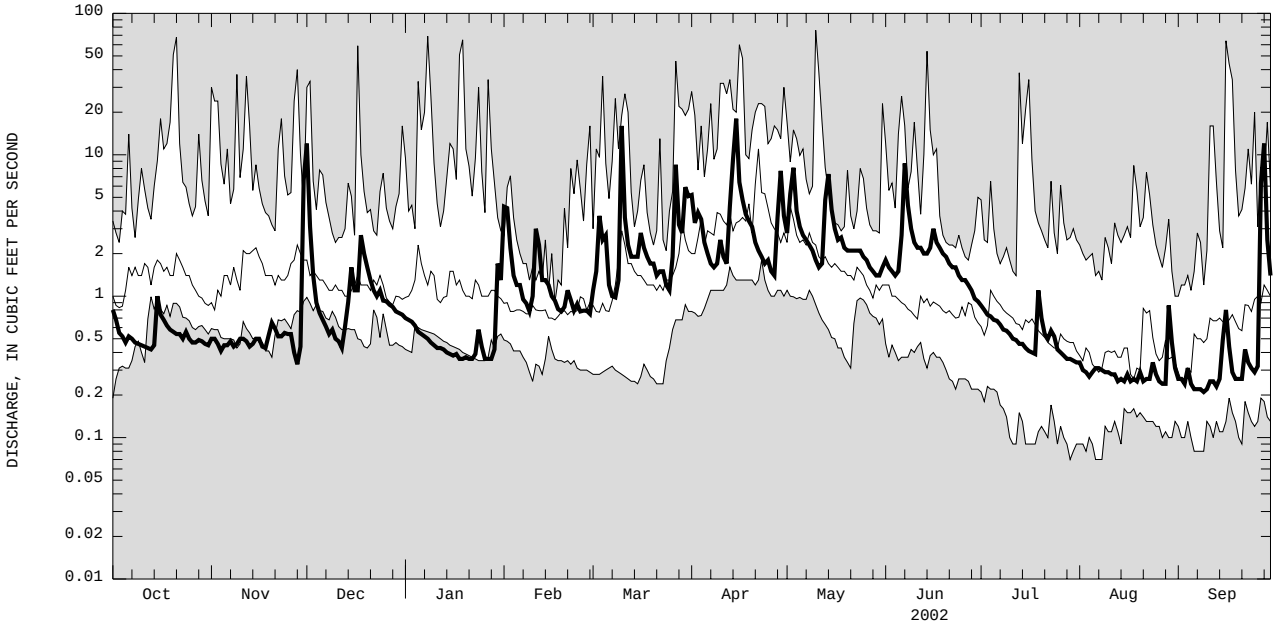
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	2.38	2.83	2.05	2.70	1.16	2.87	5.75	2.93	1.87	1.23	0.74	1.63
MAX	5.97	4.88	5.85	5.65	2.20	4.91	12.1	7.69	4.33	4.59	2.03	5.79
(WY)	1996	1996	1997	1998	1996	1998	1993	1998	1998	1996	1994	1999
MIN	0.54	0.69	0.67	0.52	0.51	0.74	1.57	1.10	0.34	0.14	0.18	0.16
(WY)	2002	2002	1998	2002	1992	2001	1995	1995	1991	1991	1993	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1991 - 2002	
ANNUAL TOTAL	570.63		543.01			
ANNUAL MEAN	1.56		1.49		2.40	
HIGHEST ANNUAL MEAN					3.83	1996
LOWEST ANNUAL MEAN					1.47	1995
HIGHEST DAILY MEAN	34	Apr 13	18	Apr 15	76	May 10 1998
LOWEST DAILY MEAN	0.08	Sep 6	0.21	Sep 9	0.07	Jul 29 1991
ANNUAL SEVEN-DAY MINIMUM	0.09	Sep 3	0.23	Sep 5	0.08	Aug 2 1991
ANNUAL RUNOFF (CFSM)	2.03		1.93		3.12	
ANNUAL RUNOFF (INCHES)	27.57		26.23		42.39	
10 PERCENT EXCEEDS	2.7		3.1		4.6	
50 PERCENT EXCEEDS	0.69		0.78		1.1	
90 PERCENT EXCEEDS	0.22		0.29		0.32	

e Estimated

01434021 WEST BRANCH NEVERSINK RIVER AT WINNISOOK LAKE NEAR FROST VALLEY, NY--Continued



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.

01434025 BISCUIT BROOK ABOVE PIGEON BROOK AT FROST VALLEY, NY

LOCATION.--Lat 41°59'43", long 74°30'05", Ulster County, Hydrologic Unit 02040104, on right bank 0.2 mi upstream from Pigeon Brook, 0.6 mi upstream from mouth, and 0.8 mi northeast of Frost Valley. Water-quality sampling site at discharge station.
DRAINAGE AREA.--3.72 mi^2.
PERIOD OF RECORD.--June 1983 to current year. February to May 1983 (occasional discharge measurements).
REVISED RECORDS.--WDR NY-91-1: Drainage area. WDR NY-94-1: 1984(P), 1985(M), 1987(P), 1989(P), 1993(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,060 ft above NGVD of 1929, from topographic map. Prior to Sept. 11, 1987, at datum 1.00 ft higher.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 815 ft^3/s, Apr. 4, 1987, gage height, 4.37 ft, present datum; minimum discharge, 0.24 ft^3/s, Sept. 2, 3, 1991, gage height, 0.75 ft; minimum gage height, 0.47 ft, Sept. 13, 2001.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 10	0230	*114	*2.59				

Minimum discharge, 0.58 ft^3/s, part of each day Aug. 19, 21-22, 28, Sept. 8-11, gage height, 0.48 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.8	35	e3.7	28	e6.0	24	16	11	3.0	1.1	0.81
2	1.8	1.8	11	e3.6	23	e5.4	17	27	7.8	2.7	1.2	0.79
3	1.7	1.8	7.6	e3.5	15	25	16	29	6.8	2.5	1.1	0.77
4	1.7	1.8	6.2	e3.2	e10	15	14	18	6.3	2.3	1.0	2.0
5	1.6	2.0	5.4	3.1	e9.6	e12	12	15	8.4	2.2	1.1	0.93
6	1.9	2.0	4.8	2.9	e8.0	11	11	13	20	2.1	1.0	0.75
7	1.7	2.1	4.4	3.1	7.3	8.6	9.7	12	37	2.0	0.92	0.67
8	1.8	2.1	4.1	2.8	6.7	8.1	8.9	10	17	1.9	0.91	0.63
9	1.8	2.0	4.0	e2.7	6.0	9.1	8.9	10	13	1.9	0.86	0.61
10	1.8	1.9	3.6	e2.6	9.0	52	9.5	9.8	10	1.8	0.83	0.59
11	1.7	1.9	3.7	2.7	29	e16	7.8	8.2	9.1	1.6	0.79	0.65
12	1.7	1.8	3.5	2.6	e16	13	7.2	11	11	1.5	0.76	0.77
13	1.6	1.7	6.3	2.5	10	12	10	33	9.5	1.5	0.73	0.81
14	1.6	1.7	8.4	2.3	e9.2	13	17	34	11	1.4	0.72	0.87
15	3.7	1.7	9.9	2.3	e7.8	11	37	21	10	1.4	0.73	1.7
16	2.1	1.7	6.6	2.2	7.4	12	19	16	14	1.3	0.70	4.5
17	2.3	1.6	7.1	2.3	6.8	10	14	14	9.5	1.2	0.68	1.3
18	2.0	1.6	19	2.1	e6.2	9.3	12	22	8.3	1.2	0.68	0.91
19	1.8	1.6	11	e2.1	e6.0	8.8	12	17	8.1	10	0.62	0.79
20	1.8	1.8	9.1	2.2	6.2	8.7	11	16	6.9	2.4	0.74	0.75
21	1.7	1.6	7.8	2.1	11	8.6	9.5	14	6.2	1.5	0.65	0.76
22	1.7	1.6	6.7	2.1	8.9	e7.6	9.3	13	5.9	1.3	0.64	1.5
23	1.7	1.6	6.3	2.1	7.1	e6.8	8.3	12	8.6	1.7	0.69	1.0
24	2.9	1.6	7.9	e5.6	e6.6	6.5	7.3	11	7.8	1.6	1.3	0.83
25	2.5	2.5	6.1	6.0	6.4	6.2	9.0	9.8	5.2	1.4	1.1	0.74
26	2.1	3.2	5.5	3.7	6.8	13	8.3	9.1	4.9	1.4	0.73	0.81
27	2.0	2.2	e5.2	3.5	7.4	34	7.1	8.2	4.6	1.5	0.66	16
28	1.9	2.1	e4.9	3.7	6.4	16	21	7.6	4.1	1.5	0.61	20
29	1.9	2.5	e4.4	6.6	---	17	30	7.0	3.5	1.4	3.9	5.1
30	1.8	22	e3.9	30	---	31	18	7.8	3.1	1.3	1.4	3.4
31	1.8	---	e3.8	17	---	26	---	13	---	1.2	0.93	---
TOTAL	60.0	77.3	233.2	136.9	287.8	438.7	405.8	464.5	288.6	61.7	29.78	71.74
MEAN	1.94	2.58	7.52	4.42	10.3	14.2	13.5	15.0	9.62	1.99	0.96	2.39
MAX	3.7	22	35	30	29	52	37	34	37	10	3.9	20
MIN	1.6	1.6	3.5	2.1	6.0	5.4	7.1	7.0	3.1	1.2	0.61	0.59
CFSM	0.52	0.69	2.02	1.19	2.76	3.80	3.64	4.03	2.59	0.54	0.26	0.64
IN.	0.60	0.77	2.33	1.37	2.88	4.39	4.06	4.64	2.89	0.62	0.30	0.72

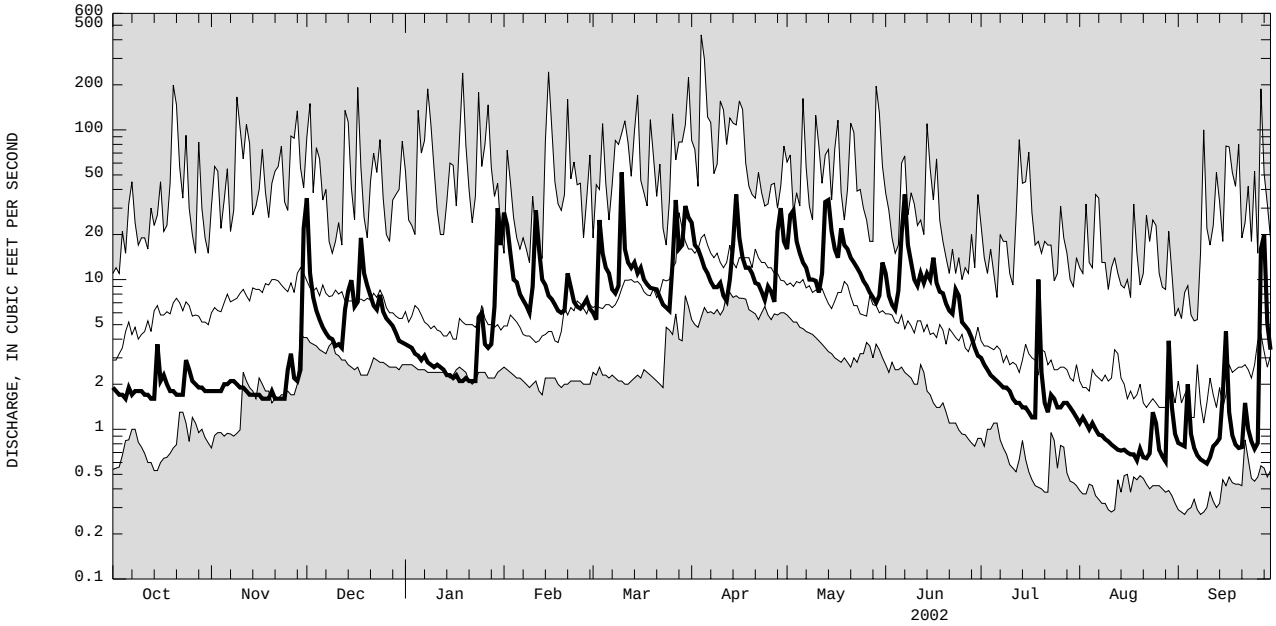
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2002, BY WATER YEAR (WY)

MEAN	7.84	12.1	11.4	10.6	9.03	15.9	22.0	13.0	7.00	4.50	3.35	4.97
MAX	19.7	20.8	26.0	26.5	28.3	30.2	54.3	33.1	16.1	15.7	9.31	17.4
(WY)	1997	1993	1997	1999	1984	1986	1993	1989	2000	1996	1990	1987
MIN	1.00	2.58	4.43	2.65	2.26	4.48	8.83	4.57	1.83	0.74	0.65	0.67
(WY)	1985	2002	1990	1989	1987	2001	1995	1995	1991	1991	1993	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1983 - 2002	
ANNUAL TOTAL	2367.56		2556.02			
ANNUAL MEAN	6.49		7.00		10.2	
HIGHEST ANNUAL MEAN					14.0	1996
LOWEST ANNUAL MEAN					6.79	1985
HIGHEST DAILY MEAN	113	Apr 13	52	Mar 10	431	Apr 4 1987
LOWEST DAILY MEAN	0.53	Sep 19	0.59	Sep 10	0.27	Sep 3 1991
ANNUAL SEVEN-DAY MINIMUM	0.63	Sep 6	0.67	Sep 6	0.31	Sep 7 1991
ANNUAL RUNOFF (CFSM)	1.74		1.88		2.74	
ANNUAL RUNOFF (INCHES)	23.68		25.56		37.16	
10 PERCENT EXCEEDS	10		16		20	
50 PERCENT EXCEEDS	3.2		4.1		5.9	
90 PERCENT EXCEEDS	1.00		0.89		1.4	

e Estimated

01434025 BISCUIT BROOK ABOVE PIGEON BROOK AT FROST VALLEY, NY--Continued



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.

01434092 SHELTER CREEK BELOW DRY CREEK NEAR FROST VALLEY, NY

LOCATION.--Lat 41°58'12", long 74°30'53", Ulster County, Hydrologic Unit 02040104, on right bank about 50 ft downstream from Dry Creek, and 1.2 mi south of Frost Valley.
DRAINAGE AREA.--0.62 mi^2.
PERIOD OF RECORD.--October 1992 to current year. Occasional miscellaneous measurements 1992.
GAGE.--Water-stage recorder. Elevation of gage is 2,140 ft above NGVD of 1929, from topographic map.
REMARKS.--Records poor. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 140 ft^3/s, Dec. 17, 2000, from rating curve extended above 25 ft^3/s; gage height not determined; maximum gage height, 1.86 ft, Nov. 9, 1996, July 15, 2000; minimum discharge, 0.037 ft^3/s, Sept. 10, 2002; minimum gage height, 0.67 ft, Sept. 13, 17, 18, 19, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23 ft^3/s, Sept. 27, gage height, 1.52 ft; minimum, 0.037 ft^3/s, Sept. 10, gage height, 0.71 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.20	0.21	3.0	0.78	3.9	0.89	5.3	3.7	1.6	0.60	0.14	0.084
2	0.20	0.23	1.4	0.75	3.4	0.88	4.4	5.2	1.3	0.55	0.17	0.089
3	0.20	0.23	1.3	0.69	2.7	4.0	4.0	4.6	1.2	0.51	0.15	0.081
4	0.20	0.23	1.3	0.67	2.4	1.9	3.3	3.8	1.1	0.47	0.13	0.14
5	0.19	0.24	1.2	e0.64	2.0	1.6	3.0	3.5	1.6	0.45	0.14	0.064
6	0.23	0.24	1.1	e0.62	1.8	1.7	2.7	3.2	3.9	0.43	0.12	0.055
7	0.19	0.27	e1.0	e0.60	1.6	1.7	2.3	2.9	4.3	0.40	0.11	0.051
8	0.19	0.26	e0.96	e0.59	1.4	1.6	2.1	2.6	3.0	0.37	0.11	0.048
9	0.19	0.25	0.93	e0.58	1.3	1.7	2.0	2.6	2.9	0.39	0.098	0.047
10	0.19	0.25	0.83	e0.57	2.0	4.7	1.9	2.4	2.6	0.37	0.093	0.047
11	0.19	0.24	0.83	e0.56	4.0	2.7	1.6	1.9	2.2	0.33	0.087	0.064
12	0.20	0.23	0.76	0.55	2.2	2.6	1.5	2.7	2.2	0.31	0.084	0.097
13	0.20	0.23	1.6	0.54	1.7	2.5	2.3	5.9	2.0	0.30	0.081	0.087
14	0.20	0.23	2.1	0.51	e1.6	2.8	2.9	6.1	2.4	0.28	0.082	0.085
15	0.63	0.25	2.0	0.51	1.5	2.5	4.7	4.7	2.4	0.27	0.079	0.19
16	0.24	0.25	1.4	0.49	1.5	2.7	3.7	4.1	3.2	0.23	0.081	0.83
17	0.24	0.23	2.1	0.49	1.4	2.2	3.5	3.7	1.8	0.21	0.078	0.10
18	0.21	0.23	5.1	0.47	1.2	2.1	3.3	5.4	1.7	0.20	0.075	0.074
19	0.21	0.23	3.0	0.46	1.1	2.0	3.0	4.2	1.8	1.4	0.067	0.073
20	0.21	0.28	2.6	0.45	1.2	2.0	2.8	3.6	1.5	0.35	0.11	0.068
21	0.20	0.23	2.2	0.45	2.1	1.9	2.4	3.2	1.3	0.25	0.071	0.069
22	0.21	0.23	1.9	0.44	1.5	1.7	2.3	2.9	1.3	0.23	0.072	0.18
23	0.22	0.23	1.7	0.48	1.1	1.5	2.0	2.7	1.5	0.51	0.072	0.086
24	0.35	0.24	2.3	1.4	1.1	1.4	1.7	2.6	1.3	0.29	0.15	0.069
25	0.28	0.58	1.6	0.91	1.0	1.3	2.7	2.2	0.97	0.23	0.094	0.064
26	0.22	0.45	1.4	0.60	1.1	2.9	2.1	2.1	1.4	0.23	0.071	0.075
27	0.21	0.29	1.2	0.57	1.1	6.4	1.8	1.9	1.2	0.24	0.065	3.1
28	0.21	0.28	1.1	0.62	0.96	3.9	4.8	1.7	0.89	0.23	0.062	1.5
29	0.21	0.43	1.0	0.99	---	4.3	5.1	1.5	0.70	0.19	0.81	0.22
30	0.21	2.9	0.94	3.3	---	6.9	4.0	2.3	0.63	0.16	0.13	0.14
31	0.21	---	0.84	2.2	---	5.3	---	2.3	---	0.15	0.092	---
TOTAL	7.04	10.67	50.69	23.48	49.86	82.27	89.2	102.2	55.89	11.13	3.774	7.877
MEAN	0.23	0.36	1.64	0.76	1.78	2.65	2.97	3.30	1.86	0.36	0.12	0.26
MAX	0.63	2.9	5.1	3.3	4.0	6.9	5.3	6.1	4.3	1.4	0.81	3.1
MIN	0.19	0.21	0.76	0.44	0.96	0.88	1.5	1.5	0.63	0.15	0.062	0.047
CFSM	0.37	0.57	2.64	1.22	2.87	4.28	4.80	5.32	3.00	0.58	0.20	0.42
IN.	0.42	0.64	3.04	1.41	2.99	4.94	5.35	6.13	3.35	0.67	0.23	0.47

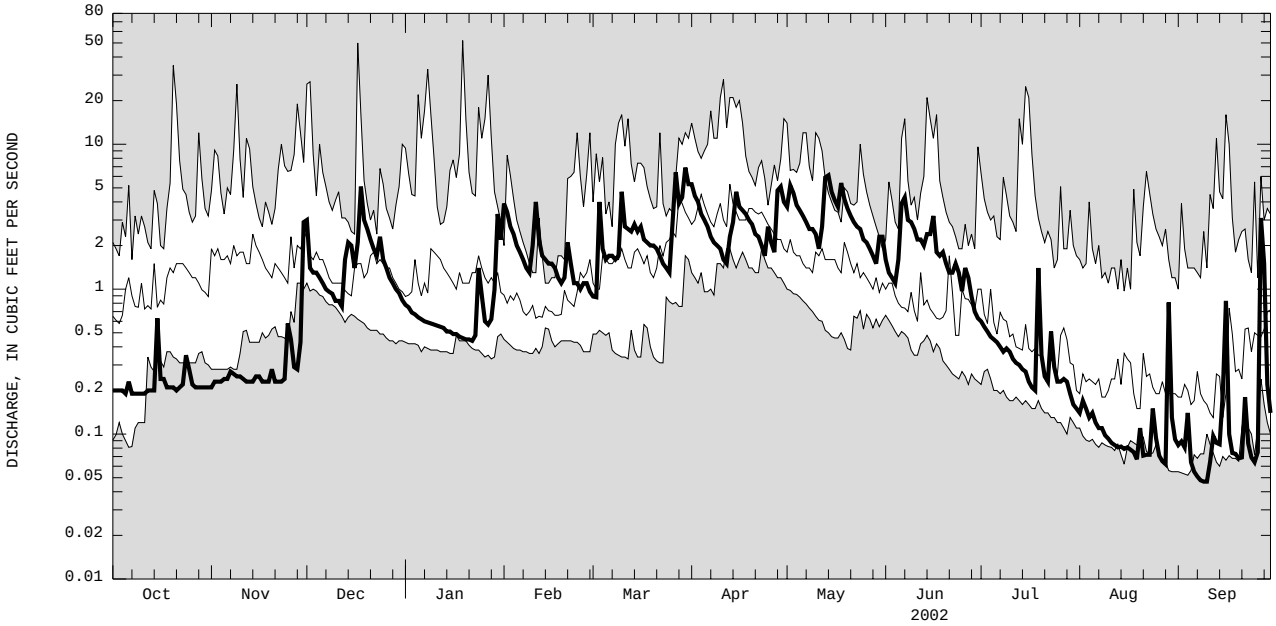
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	1.43	2.17	2.17	2.43	1.32	2.67	4.49	2.22	1.61	1.13	0.50	0.73
MAX	3.91	3.52	5.00	5.44	2.46	4.48	8.85	4.23	3.81	3.20	1.69	2.04
(WY)	1997	1993	1997	1996	1996	2000	1993	1998	1998	1996	1994	2000
MIN	0.23	0.36	0.68	0.53	0.58	0.85	1.84	0.82	0.52	0.24	0.10	0.17
(WY)	2002	2002	1996	2001	1993	2001	1995	2001	1999	1993	1993	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	417.360		494.050			
ANNUAL MEAN	1.14		1.35		1.91	
HIGHEST ANNUAL MEAN					2.57	1996
LOWEST ANNUAL MEAN					1.34	1999
HIGHEST DAILY MEAN	18	Apr 13	6.9	Mar 30	52	Jan 19 1996
LOWEST DAILY MEAN	0.070	Sep 7	0.050	Sep 7	0.050	Sep 2 1999
ANNUAL SEVEN-DAY MINIMUM	0.08	Sep 6	0.05	Sep 5	0.05	Sep 5 2002
ANNUAL RUNOFF (CFSM)	1.84		2.18		3.07	
ANNUAL RUNOFF (INCHES)	25.04		29.64		41.77	
10 PERCENT EXCEEDS	2.3		3.3		4.0	
50 PERCENT EXCEEDS	0.59		0.89		1.1	
90 PERCENT EXCEEDS	0.15		0.09		0.19	

e Estimated

01434092 SHELTER CREEK BELOW DRY CREEK NEAR FROST VALLEY, NY--Continued



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.

01434498 WEST BRANCH NEVERSINK RIVER AT CLARYVILLE, NY

LOCATION.--Lat 41°55'13", long 74°34'30", Sullivan County, Hydrologic Unit 02040104, on left bank about 100 ft downstream from bridge on County Highway 157 in Claryville.
DRAINAGE AREA.--33.8 mi^2.
PERIOD OF RECORD.--July 1991 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 1,620 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those above 1,600 ft^3/s and those for estimated daily discharges, which are poor. Diversion upstream from station to maintain lake volume at Frost Valley YMCA camp. Excess lake water is diverted back into the river upstream from station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,500 ft^3/s, Dec. 17, 2000, gage height, 12.38 ft, from rating curve extended above 1,200 ft^3/s on basis of runoff comparisons with nearby stations; minimum discharge, 5.9 ft^3/s, result of freezeup, Mar. 14, 1993; minimum gage height, 3.84 ft, Aug. 12, 13, 1997.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	0130	*663	*6.72				

Minimum discharge, 7.8 ft^3/s, Sept. 13, 14, gage height, 3.97 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	18	218	43	164	63	237	169	108	45	15	12
2	23	18	95	e43	178	61	188	220	82	42	15	11
3	22	18	70	e41	121	173	173	261	75	39	16	11
4	21	18	60	e40	102	132	159	181	70	37	14	16
5	20	19	54	e40	84	93	136	155	82	34	15	13
6	21	19	51	e41	e80	93	123	137	138	33	13	11
7	21	19	48	46	77	86	111	128	244	31	13	10
8	20	19	45	41	72	83	103	115	142	29	12	9.4
9	19	17	47	39	67	85	100	113	118	29	12	9.2
10	19	17	42	39	71	299	103	111	104	29	12	8.8
11	19	17	41	37	232	155	90	95	94	26	11	8.6
12	18	16	41	35	125	128	85	112	96	25	11	8.3
13	18	16	54	34	101	115	92	251	93	24	11	8.1
14	18	16	72	32	88	125	156	287	100	23	10	8.2
15	32	16	94	32	e86	117	280	205	104	22	10	12
16	24	16	67	32	84	121	174	163	130	21	10	39
17	22	16	70	32	79	108	142	144	97	20	9.8	18
18	20	15	170	30	72	101	128	213	86	19	9.5	13
19	20	15	118	30	69	96	124	177	86	59	9.2	11
20	21	17	97	e29	69	98	119	153	77	47	11	11
21	20	16	87	e29	96	95	107	139	71	26	9.5	10
22	20	15	76	e29	93	92	103	128	67	22	9.4	14
23	19	15	72	e30	77	84	96	116	76	25	9.4	13
24	24	15	87	45	71	80	87	111	86	25	12	11
25	24	18	74	61	69	78	106	104	63	21	12	10
26	21	28	66	41	70	92	108	98	64	20	10	11
27	20	21	58	38	78	364	89	91	66	20	9.6	65
28	19	19	59	39	68	191	179	88	58	20	9.1	176
29	19	20	55	46	---	183	286	83	51	19	30	50
30	18	70	52	140	---	277	192	88	47	17	21	31
31	18	---	46	123	---	248	---	113	---	16	14	---
TOTAL	645	579	2286	1357	2643	4116	4176	4549	2775	865	385.5	639.6
MEAN	20.8	19.3	73.7	43.8	94.4	133	139	147	92.5	27.9	12.4	21.3
MAX	32	70	218	140	232	364	286	287	244	59	30	176
MIN	18	15	41	29	67	61	85	83	47	16	9.1	8.1
CFSM	0.62	0.57	2.18	1.30	2.79	3.93	4.12	4.34	2.74	0.83	0.37	0.63
IN.	0.71	0.64	2.52	1.49	2.91	4.53	4.60	5.01	3.05	0.95	0.42	0.70

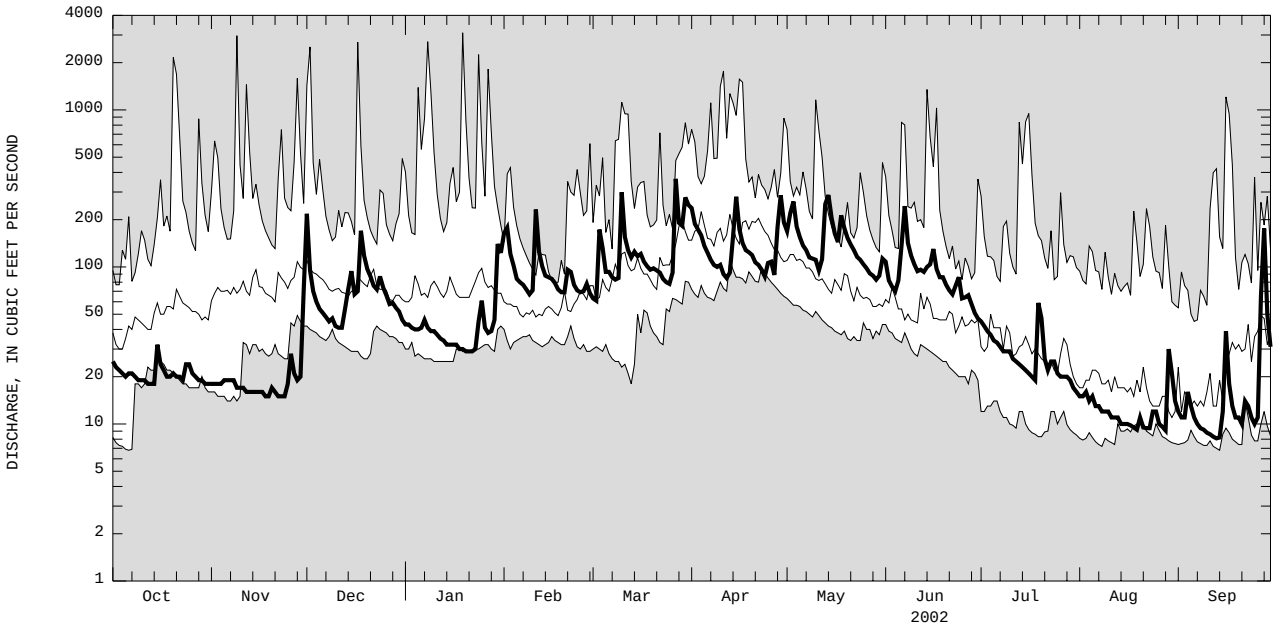
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	74.0	118	115	138	76.2	143	232	113	86.0	53.5	31.1	43.8
MAX	192	224	321	305	136	228	498	209	173	165	75.2	118
(WY)	1996	1997	1997	1996	1996	1998	1993	1998	1998	1996	1994	1999
MIN	20.8	19.3	40.3	43.2	40.2	61.3	86.7	49.7	34.5	11.1	10.7	10.3
(WY)	2002	2002	1999	2001	1993	2001	1995	1995	1993	1991	1993	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1991 - 2002	
ANNUAL TOTAL	24666.3		25016.1			
ANNUAL MEAN	67.6		68.5		103	
HIGHEST ANNUAL MEAN					151	1996
LOWEST ANNUAL MEAN					68.5	2002
HIGHEST DAILY MEAN	1030	Jun 17	364	Mar 27	3100	Jan 19 1996
LOWEST DAILY MEAN	9.4	Sep 9	8.1	Sep 13	6.8	Sep 14 1991
ANNUAL SEVEN-DAY MINIMUM	10	Sep 7	8.7	Sep 8	7.3	Sep 8 1991
ANNUAL RUNOFF (CFSM)	2.00		2.03		3.04	
ANNUAL RUNOFF (INCHES)	27.15		27.53		41.27	
10 PERCENT EXCEEDS	109		154		194	
50 PERCENT EXCEEDS	44		47		61	
90 PERCENT EXCEEDS	15		12		17	

e Estimated

01434498 WEST BRANCH NEVERSINK RIVER AT CLARYVILLE, NY--Continued



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.

01435000 NEVERSINK RIVER NEAR CLARYVILLE, NY

LOCATION.--Lat 41°53'24", long 74°35'25", Sullivan County, Hydrologic Unit 02040104, on left bank 50 ft downstream from covered bridge, 300 ft upstream from small tributary, 2.2 mi downstream from confluence of East and West Branches, and 2.2 mi southwest of Claryville.
DRAINAGE AREA.--66.6 mi^2.
PERIOD OF RECORD.--November 1937 to May 1949, July 1951 to current year. Prior to July 1951, published as "at Halls Mills near Curry" (01435500).
REVISED RECORDS.--WDR NY-75-1: Gage datum. WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,522.37 ft above NGVD of 1929. Prior to Oct. 1, 1974, at datum 6.00 ft higher. Oct. 1, 1974 to Sept. 30, 1979 at datum 5.00 ft higher. November 1937 to May 1949, at site 1.3 mi downstream at elevation 1,470 ft, from topographic map.
REMARKS.--No estimated daily discharges. Records good below 6,000 ft^3/s and fair above. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,300 ft^3/s, Apr. 4, 1987, gage height, 13.26 ft; maximum gage height, 13.83 ft, present datum, July 10, 1952; minimum discharge, 6.8 ft^3/s, Sept. 24, 25, 1964.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 25, 1950, reached a stage of about 15.0 ft, present datum, from floodmarks, discharge, 23,400 ft^3/s, by slope-area measurement of peak flow.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sept. 28	0045	*1,400	*8.80				

Minimum discharge, 14 ft^3/s, Sept. 14, 15, gage height, 5.96 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

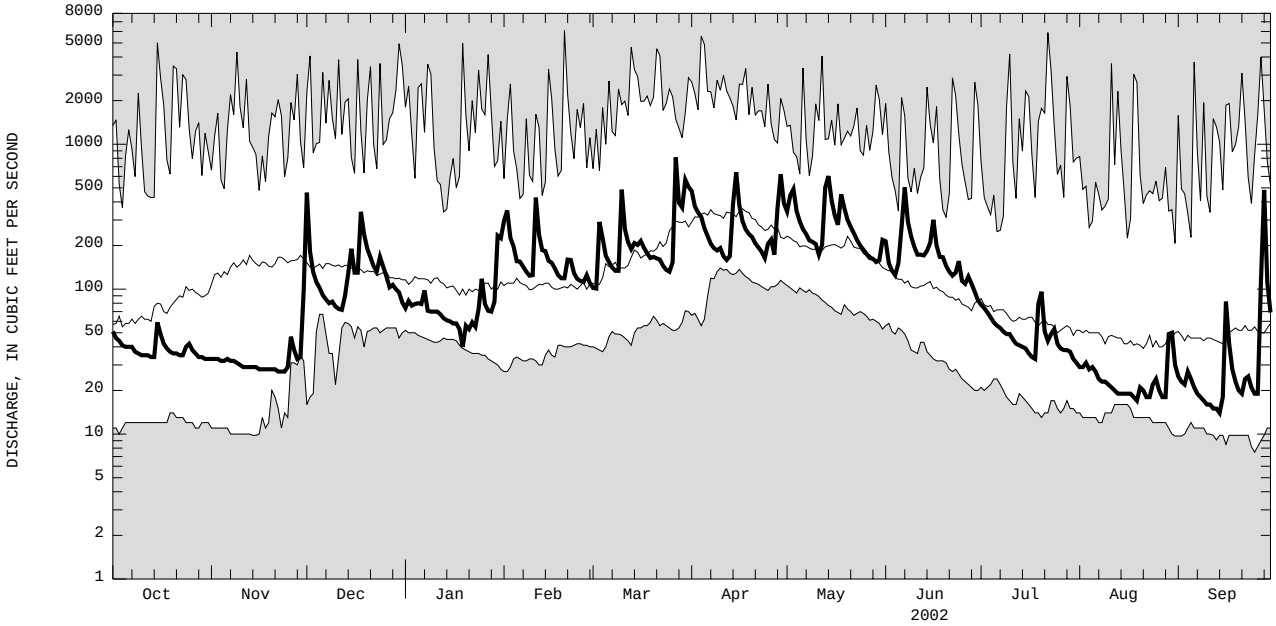
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	33	463	74	296	102	476	344	214	78	29	25
2	46	33	182	83	349	101	373	444	151	74	29	23
3	44	33	131	77	226	291	338	490	134	69	31	22
4	41	32	112	79	197	225	316	345	125	64	28	27
5	40	32	102	80	156	170	264	293	151	59	29	24
6	40	33	91	79	155	154	233	259	269	56	27	21
7	40	32	85	98	143	141	206	240	503	54	24	19
8	37	32	80	71	132	134	192	217	291	51	23	18
9	36	31	82	70	124	134	185	212	231	49	23	17
10	35	30	76	70	125	486	192	205	196	49	22	16
11	35	29	73	70	428	260	169	173	173	45	21	16
12	35	29	72	67	238	211	159	202	173	42	20	15
13	34	29	90	63	186	189	169	503	171	41	19	15
14	34	29	128	61	183	208	386	603	184	40	19	14
15	59	29	190	60	157	202	641	410	209	39	19	18
16	49	28	130	58	152	215	377	322	301	36	19	82
17	42	28	130	58	139	193	294	278	200	34	19	42
18	39	28	342	53	125	177	258	451	167	33	18	28
19	37	28	239	40	119	164	240	363	166	79	17	23
20	36	28	190	56	119	167	229	301	145	96	21	20
21	36	28	166	53	160	163	207	269	132	51	20	19
22	35	27	144	59	159	160	194	243	124	44	18	24
23	35	27	133	55	129	145	181	218	130	49	18	25
24	40	27	167	73	118	136	164	200	156	53	22	21
25	42	29	143	118	114	132	206	187	114	42	24	19
26	38	47	123	79	112	153	220	175	109	39	20	19
27	36	38	103	71	125	810	173	164	122	38	18	113
28	34	33	107	70	110	395	364	162	109	38	18	484
29	34	34	100	82	---	366	619	154	96	37	49	111
30	33	97	95	234	---	569	391	158	84	33	50	69
31	33	---	81	225	---	509	---	219	---	31	30	---
TOTAL	1206	993	4350	2486	4776	7462	8416	8804	5330	1543	744	1389
MEAN	38.9	33.1	140	80.2	171	241	281	284	178	49.8	24.0	46.3
MAX	59	97	463	234	428	810	641	603	503	96	50	484
MIN	33	27	72	40	110	101	159	154	84	31	17	14
CFSM	0.58	0.50	2.11	1.20	2.56	3.61	4.21	4.26	2.67	0.75	0.36	0.70
IN.	0.67	0.55	2.43	1.39	2.67	4.17	4.70	4.92	2.98	0.86	0.42	0.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

MEAN	139	204	211	172	161	287	424	258	148	102	74.2	93.7
MAX	613	409	568	530	747	681	899	608	483	567	430	336
(WY)	1956	1973	1997	1996	1981	1977	1993	1989	1972	1938	1955	1979
MIN	12.4	18.4	71.9	41.8	48.4	85.8	140	95.5	37.3	19.3	16.8	10.6
(WY)	1965	1965	1981	1961	1980	1958	1946	1941	1991	1991	1953	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	47679		47499			
ANNUAL MEAN	131		130		188	
HIGHEST ANNUAL MEAN					286	1996
LOWEST ANNUAL MEAN					100	1965
HIGHEST DAILY MEAN	1820	Jun 17	810	Mar 27	6090	Feb 20 1981
LOWEST DAILY MEAN	16	Sep 9	14	Sep 14	7.5	Sep 25 1964
ANNUAL SEVEN-DAY MINIMUM	18	Sep 7	16	Sep 8	8.9	Sep 21 1964
ANNUAL RUNOFF (CFSM)	1.96		1.95		2.83	
ANNUAL RUNOFF (INCHES)	26.63		26.53		38.40	
10 PERCENT EXCEEDS	229		293		378	
50 PERCENT EXCEEDS	82		85		112	
90 PERCENT EXCEEDS	27		23		33	

01435000 NEVERSINK RIVER NEAR CLARYVILLE, NY--Continued



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.

01436000 NEVERSINK RIVER AT NEVERSINK, NY

LOCATION.--Lat 41°49'12", long 74°38'09", Sullivan County, Hydrologic Unit 02040104, on right bank at downstream end of outlet channel, 1,650 ft downstream from Neversink Dam and State Highway 55, 2.0 mi southwest of Neversink, and 2.6 mi upstream from Wynkoop Brook.
DRAINAGE AREA.--92.6 mi^2.
PERIOD OF RECORD.--October 1941 to current year.
REVISED RECORDS.--WDR NY-72-1: 1961 (M), 1968 (M). WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,255.24 ft above NGVD of 1929 (levels by Board of Water Supply, City of New York). Prior to Jan. 17, 1953, water-stage recorder at site 650 ft downstream at datum 0.20 ft lower. Jan. 17, 1953 to Apr. 16, 1954, water-stage recorder at present site at datum 0.41 ft higher.
REMARKS.--No estimated daily discharges. Records good. Subsequent to June 1953, entire flow from 92.5 mi^2 of drainage area controlled by Neversink Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply (see Reservoirs in Delaware River Basin). Remainder of flow (except for conservation release and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to construction of Neversink Reservoir, 22,300 ft^3/s, Nov. 25, 1950, gage height, 11.23 ft, site and datum then in use, from rating curve extended above 6,000 ft^3/s on basis of contracted-opening and critical-depth measurements of peak flow; maximum gage height, 11.65 ft, Sept. 27, 1942, site and datum then in use; maximum discharge since construction of Neversink Reservoir, 6,130 ft^3/s, June 23, 1972, gage height, 8.20 ft; minimum, no flow for all or part of each day Sept. 22-24, Oct. 26-29, 1954.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 138 ft^3/s, July 12, gage height, 3.59 ft; minimum, 4.3 ft^3/s, Jan. 13, 14, 16, gage height, 2.43 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

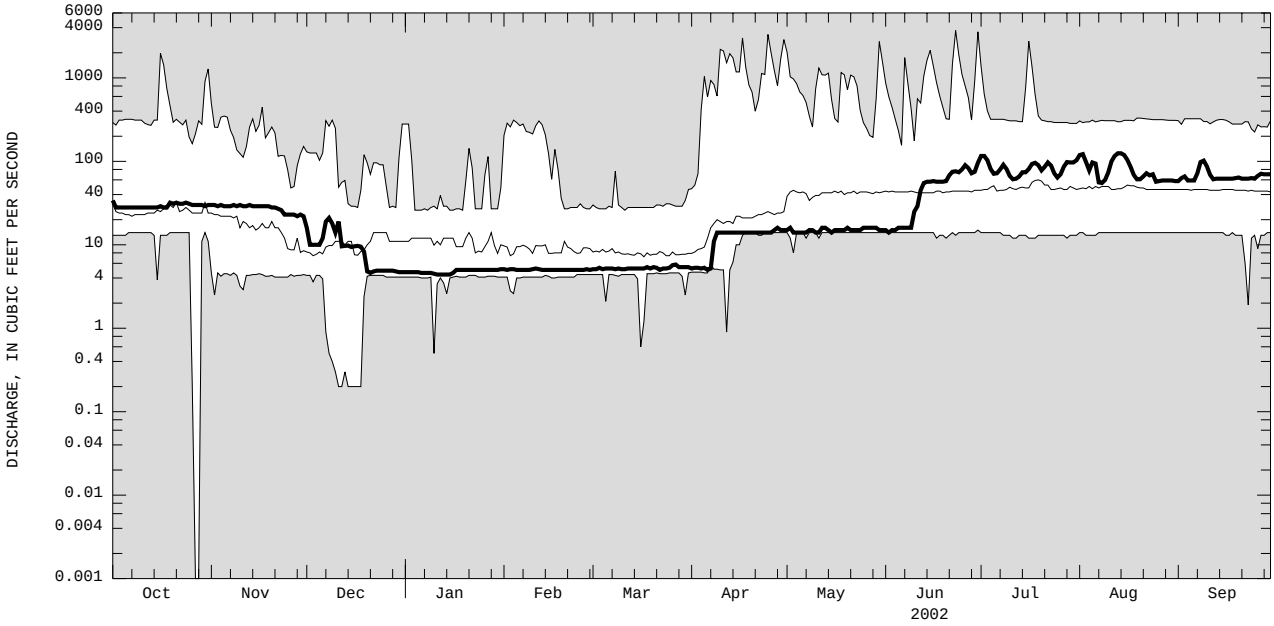
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	30	16	4.7	5.1	5.1	5.2	15	15	116	119	58
2	28	30	10	4.7	5.0	5.1	5.3	16	14	116	122	63
3	28	29	10	4.7	5.1	5.3	5.3	14	15	103	98	66
4	28	30	10	4.7	5.1	5.1	5.2	14	15	81	78	59
5	28	29	10	4.7	5.0	5.2	5.3	14	16	71	97	59
6	28	29	12	4.6	5.0	5.2	5.0	14	16	72	94	59
7	28	29	19	4.6	5.0	5.2	5.2	14	16	80	56	72
8	28	30	21	4.6	5.0	5.1	11	15	16	91	55	98
9	28	29	18	4.6	5.0	5.2	14	15	16	81	60	102
10	28	30	14	4.5	5.1	5.1	14	14	25	67	74	87
11	28	29	19	4.4	5.2	5.1	14	14	29	61	100	69
12	28	29	9.6	4.4	5.1	5.2	14	16	45	62	116	61
13	28	30	9.7	4.4	5.0	5.2	14	16	55	66	125	62
14	28	29	9.8	4.4	5.0	5.2	14	15	57	74	125	62
15	28	29	9.4	4.4	5.0	5.2	14	14	57	74	119	62
16	29	29	9.6	4.6	5.0	5.2	14	15	58	81	104	62
17	28	29	9.7	5.0	5.0	5.2	14	15	57	93	86	62
18	28	29	9.5	5.0	5.0	5.4	14	15	57	96	69	62
19	32	29	8.3	5.0	5.0	5.2	14	15	57	90	61	63
20	31	28	4.8	5.0	5.0	5.4	14	16	58	78	61	64
21	32	28	4.6	5.0	5.0	5.3	14	15	68	86	66	62
22	31	27	4.8	5.0	5.0	5.0	14	15	75	97	72	62
23	31	26	4.9	5.0	5.0	5.2	14	15	76	89	68	62
24	32	23	4.9	5.0	5.0	5.2	14	15	74	72	70	63
25	31	23	4.9	5.0	5.0	5.3	14	16	80	64	57	62
26	30	23	4.9	5.0	5.0	5.7	14	16	90	70	58	67
27	30	23	4.9	5.0	5.1	5.8	15	16	83	86	59	71
28	30	22	4.9	5.0	5.0	5.4	16	16	72	98	59	70
29	30	23	4.8	5.0	---	5.4	15	16	75	97	59	70
30	29	22	4.7	5.0	---	5.4	15	15	96	97	59	70
31	30	---	4.7	5.1	---	5.4	---	15	---	103	58	---
TOTAL	910	825	292.4	148.1	140.8	163.0	360.5	466	1483	2612	2504	2011
MEAN	29.4	27.5	9.43	4.78	5.03	5.26	12.0	15.0	49.4	84.3	80.8	67.0
MAX	34	30	21	5.1	5.2	5.8	16	16	96	116	125	102
MIN	28	22	4.6	4.4	5.0	5.0	5.0	14	14	61	55	58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

MEAN	49.7	24.8	16.0	14.6	16.6	13.8	91.5	78.2	71.3	73.4	73.4	64.2
MAX	279	198	66.0	33.5	148	29.1	528	319	369	293	305	231
(WY)	1956	1956	1997	1956	1961	1978	2001	1956	1972	1962	1956	1964
MIN	14.0	4.76	3.17	4.19	4.24	4.58	10.5	14.6	14.9	14.6	14.1	14.1
(WY)	1974	1966	1966	1971	1989	1976	1965	1967	1971	1967	1968	1968

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1954 - 2002	
ANNUAL TOTAL	28804.4		11915.8			
ANNUAL MEAN	78.9		32.6		49.0	
HIGHEST ANNUAL MEAN					158	1956
LOWEST ANNUAL MEAN					11.4	1971
HIGHEST DAILY MEAN	2200	Apr 10	125	Aug 13	3700	Jun 23 1972
LOWEST DAILY MEAN	4.6	Dec 21	4.4	Jan 11	0.00	Oct 27 1954
ANNUAL SEVEN-DAY MINIMUM	4.8	Dec 20	4.4	Jan 9	0.23	Dec 12 1958
10 PERCENT EXCEEDS	84		80		77	
50 PERCENT EXCEEDS	30		16		23	
90 PERCENT EXCEEDS	23		5.0		5.1	

01436000 NEVERSINK RIVER AT NEVERSINK, NY--Continued



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.
ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY

LOCATION.--Lat 41°38'15", long 74°37'04", Sullivan County, Hydrologic Unit 02040104, on left bank 0.1 mi upstream from State Highway 17 bridge, and 0.25 mi upstream from Bridgeville. Water-quality sampling site at discharge station.
DRAINAGE AREA.--171 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1992 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 1,080 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to June 1953, entire flow from 92.5 mi^2 of drainage area controlled by Neversink Reservoir (see Reservoirs in Delaware River basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,370 ft^3/s, Sept. 16, 1999, gage height, 13.22 ft; minimum discharge, 20 ft^3/s, Dec. 31, 1998 (result of freezeup); minimum gage height, 4.25 ft, Jan. 19, 2002 (result of freezeup).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,670 ft^3/s, June 7, gage height, 7.61 ft; minimum, 21 ft^3/s, Jan. 19, gage height, 4.25 ft (result of freezeup).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	56	79	e27	88	e40	230	268	226	147	119	68
2	48	71	46	e27	e110	42	182	351	142	150	135	64
3	46	73	38	e27	e90	120	171	331	112	144	122	78
4	44	70	31	e26	e74	109	176	231	94	113	89	72
5	43	62	28	e26	e68	e68	131	184	329	95	91	69
6	43	55	27	e26	e62	e60	117	151	568	91	120	66
7	41	61	29	e26	58	52	102	133	1280	91	74	64
8	40	64	35	e26	58	48	99	112	522	104	57	93
9	40	56	43	e26	55	47	112	111	326	106	60	113
10	40	54	36	e26	50	78	114	109	251	94	61	100
11	42	55	33	e28	118	67	102	92	198	77	90	82
12	41	50	36	e30	102	58	93	137	169	73	112	65
13	40	46	30	e31	79	54	92	634	199	71	128	63
14	40	43	42	e30	83	57	143	827	286	84	130	63
15	60	42	61	e29	70	55	230	426	408	87	131	69
16	57	40	46	e29	64	67	161	269	370	85	121	252
17	52	40	44	e30	e60	71	128	230	263	99	102	124
18	48	39	108	29	57	63	110	595	199	102	83	87
19	47	39	94	25	54	63	95	438	188	109	66	78
20	48	40	76	e29	53	78	101	282	168	100	86	76
21	48	40	60	e29	58	96	92	220	153	92	69	73
22	58	38	49	e28	61	133	83	173	154	107	79	93
23	56	37	44	e29	53	94	79	151	148	113	83	80
24	56	36	56	e40	48	91	72	129	140	98	90	72
25	54	36	53	e52	47	102	103	115	123	77	80	70
26	51	47	40	e50	47	113	192	118	146	71	66	81
27	49	39	e34	50	52	640	128	121	160	85	64	212
28	47	36	e32	51	49	431	434	295	159	104	64	410
29	46	37	e31	58	---	295	632	428	128	106	134	161
30	45	42	e29	79	---	268	319	227	124	103	107	116
31	44	---	e28	97	---	222	---	172	---	102	75	---
TOTAL	1481	1444	1418	1116	1868	3782	4823	8060	7733	3080	2888	3114
MEAN	47.8	48.1	45.7	36.0	66.7	122	161	260	258	99.4	93.2	104
MAX	67	73	108	97	118	640	632	827	1280	150	135	410
MIN	40	36	27	25	47	40	72	92	94	71	57	63

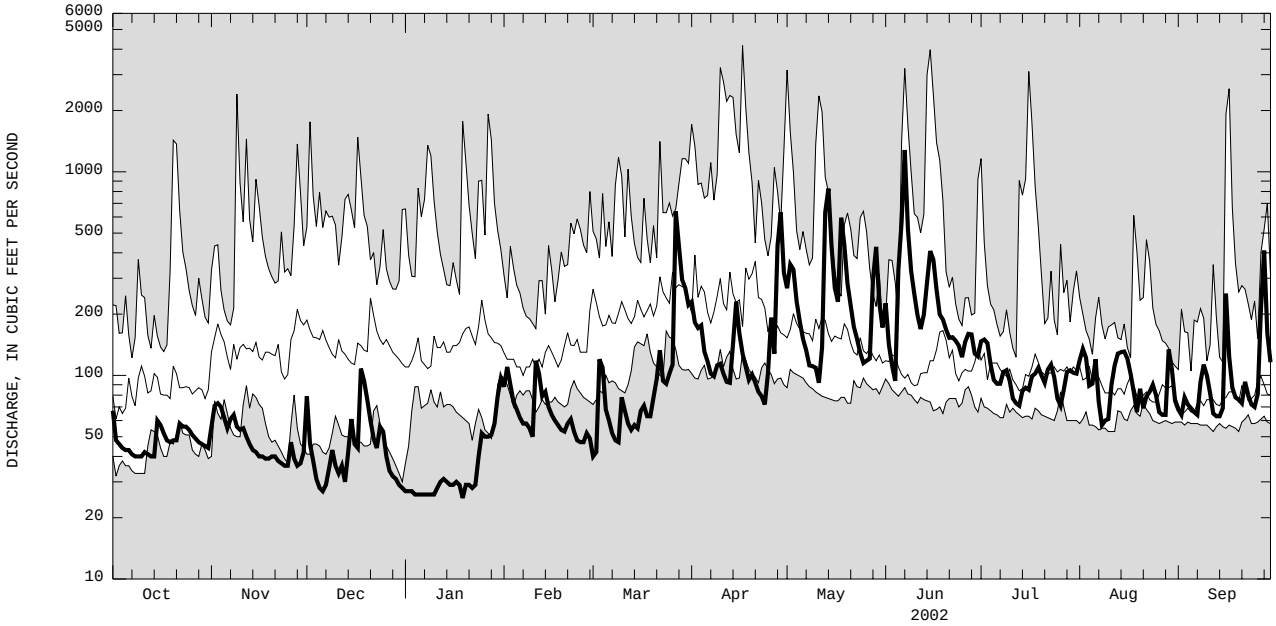
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2002, BY WATER YEAR (WY)

MEAN	111	174	185	198	154	270	412	235	216	152	99.3	117
MAX	258	320	523	394	262	371	1022	446	586	335	168	296
(WY)	1997	1996	1997	1996	1996	2000	1993	1998	1998	2000	1994	1999
MIN	47.8	48.1	45.7	36.0	66.7	122	120	109	88.9	84.3	79.0	61.9
(WY)	2002	2002	2002	2002	2002	2002	1999	2001	1999	2001	1993	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	58820		40807			
ANNUAL MEAN	161		112		193	
HIGHEST ANNUAL MEAN					253	1996
LOWEST ANNUAL MEAN					112	2002
HIGHEST DAILY MEAN	3250	Apr 10	1280	Jun 7	4170	Apr 17 1993
LOWEST DAILY MEAN	27	Dec 6	25	Jan 19	25	Jan 19 2002
ANNUAL SEVEN-DAY MINIMUM	33	Dec 4	26	Jan 4	26	Jan 4 2002
10 PERCENT EXCEEDS	301		226		363	
50 PERCENT EXCEEDS	81		76		118	
90 PERCENT EXCEEDS	42		36		61	

e Estimated

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY--Continued



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.

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1992 to current year.
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. Prior to May 1993, satellite telemeter provided one-hour-interval readings.
REMARKS.--Interruption of record was due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 26.5°C, July 15, 1995; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 25.0°C, July 4; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.0	11.0	12.0	---	---	---	11.0	8.0	9.5	0.5	0.0	0.0
2	15.5	10.5	12.5	---	---	---	8.0	6.0	7.5	0.5	0.0	0.0
3	16.5	11.5	14.0	---	---	---	7.0	4.0	5.5	0.5	0.0	0.0
4	17.5	13.0	15.0	---	---	---	7.0	3.0	5.0	0.0	0.0	0.0
5	17.5	13.0	15.0	---	---	---	8.0	5.5	6.5	0.5	0.0	0.0
6	15.5	12.5	14.5	---	---	---	9.0	6.0	7.5	0.0	0.0	0.0
7	12.5	9.0	11.0	8.5	---	---	9.0	5.5	7.5	0.0	0.0	0.0
8	11.0	7.5	9.0	7.5	5.0	6.5	5.5	2.0	4.0	0.0	0.0	0.0
9	11.0	6.0	8.5	8.0	5.0	6.5	3.0	1.0	2.0	0.0	0.0	0.0
10	12.5	7.5	9.5	6.5	3.5	5.0	2.0	0.0	1.0	0.5	0.0	0.0
11	14.0	8.5	11.0	7.0	3.5	5.0	4.0	1.5	2.5	0.0	0.0	0.0
12	14.0	10.0	12.0	4.5	2.0	3.0	3.0	0.5	2.0	0.5	0.0	0.0
13	15.5	11.5	13.5	5.0	1.0	3.0	4.0	2.5	3.0	0.5	0.0	0.0
14	14.5	13.5	14.0	5.5	1.5	3.5	5.0	3.5	4.5	0.5	0.0	0.0
15	15.5	12.0	13.5	8.0	4.0	6.0	5.0	2.5	4.0	0.5	0.0	0.0
16	12.5	10.0	11.5	9.0	6.0	7.5	3.0	1.0	2.0	0.5	0.0	0.0
17	12.0	9.0	10.5	8.0	5.0	6.0	2.5	2.0	2.0	0.5	0.0	0.0
18	11.0	7.5	9.0	7.0	3.0	5.0	4.0	2.5	3.0	0.5	0.0	0.0
19	10.0	6.5	8.0	7.5	3.5	5.5	4.5	3.0	3.5	0.0	0.0	0.0
20	11.5	7.5	9.0	7.0	4.0	5.5	3.5	2.5	2.5	0.0	0.0	0.0
21	12.0	7.5	9.5	5.0	2.0	3.5	2.5	1.0	2.0	0.0	0.0	0.0
22	12.0	10.0	11.0	5.0	2.0	3.5	2.0	0.0	1.0	0.5	0.0	0.0
23	11.5	10.0	11.0	5.0	2.0	3.5	1.0	0.0	0.5	0.5	0.0	0.0
24	15.0	11.5	13.0	6.0	3.5	5.0	2.5	0.5	1.5	0.0	0.0	0.0
25	14.5	11.0	12.5	9.0	6.0	8.0	1.0	0.0	0.5	0.5	0.0	0.0
26	11.0	8.0	9.5	10.0	8.0	9.0	0.5	0.0	0.0	1.0	0.0	0.5
27	8.5	6.5	7.5	8.0	6.0	7.5	0.5	0.0	0.0	1.5	0.0	0.5
28	8.5	5.5	6.5	10.0	7.5	8.5	0.5	0.0	0.0	2.0	0.0	0.5
29	8.0	4.5	6.0	8.0	7.0	7.5	0.0	0.0	0.0	1.5	0.0	0.5
30	8.5	5.5	6.5	10.5	7.0	8.5	0.0	0.0	0.0	2.0	0.5	1.0
31	---	---	---	---	---	---	0.5	0.0	0.0	1.0	0.5	0.5
MONTH	---	---	---	---	---	---	11.0	0.0	2.9	2.0	0.0	0.1

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.0	0.0	0.5	4.5	0.0	1.5	10.0	7.0	8.5	12.0	6.0	9.0
2	1.0	0.0	0.0	3.0	0.0	1.5	8.0	5.0	6.5	10.0	9.0	9.5
3	1.0	0.0	0.0	6.5	2.5	4.5	9.0	6.5	7.5	11.0	8.0	9.5
4	1.5	0.0	0.5	4.5	1.0	3.0	9.0	5.0	6.5	14.0	7.5	10.5
5	0.5	0.0	0.0	3.0	0.0	1.0	6.0	3.5	4.5	16.5	9.5	13.0
6	1.5	0.0	0.5	5.0	0.0	2.0	7.5	2.5	4.5	17.0	11.0	14.0
7	2.0	0.0	0.5	6.5	1.5	4.0	8.0	1.5	5.0	18.0	13.5	16.0
8	3.0	0.0	1.0	8.5	3.0	5.5	7.5	5.0	6.0	19.0	14.0	16.0
9	3.5	0.0	1.0	9.0	6.0	7.0	10.5	6.0	8.5	15.5	12.0	13.5
10	2.0	0.0	1.0	9.0	3.0	6.5	14.0	8.5	11.0	18.0	11.0	14.0
11	2.0	0.0	1.0	4.5	0.5	2.5	14.0	7.5	10.5	17.5	11.0	14.0
12	1.0	0.0	0.5	2.5	1.5	2.0	12.0	7.5	10.5	14.5	11.5	12.5
13	2.5	0.0	0.5	2.5	1.0	2.0	13.0	11.0	12.0	11.5	9.5	10.5
14	1.0	0.0	0.0	9.5	2.5	5.5	16.5	11.0	13.5	11.0	9.0	10.0
15	1.5	0.0	0.5	10.5	4.5	7.5	18.0	13.0	15.5	13.5	9.0	11.0
16	4.0	0.5	2.0	9.5	6.0	8.5	20.5	14.0	17.0	15.5	9.5	13.0
17	5.0	1.0	2.5	7.0	4.0	5.5	22.0	15.5	18.5	17.0	13.5	15.0
18	4.0	0.0	1.5	5.0	3.0	3.5	23.0	17.0	20.0	14.5	9.5	11.5
19	4.0	0.0	1.5	6.0	3.0	4.0	22.5	17.0	19.5	11.0	8.0	9.5
20	4.0	2.0	3.0	4.5	1.5	2.5	19.0	14.0	16.5	10.5	8.0	9.5
21	7.5	3.5	5.0	7.5	1.5	4.0	14.5	11.5	13.0	11.0	7.0	9.5
22	5.0	3.5	4.5	4.0	1.0	2.5	11.5	8.0	9.5	15.0	7.5	11.0
23	6.5	2.0	3.5	5.5	0.0	2.5	10.0	7.0	8.0	17.5	10.0	13.5
24	5.5	0.5	2.5	7.0	2.0	4.5	14.5	6.0	10.0	18.0	12.5	15.5
25	5.5	1.5	3.5	6.0	3.5	4.5	10.5	7.0	8.5	19.5	13.5	16.5
26	7.5	2.0	4.5	3.5	2.0	2.5	10.5	6.0	8.0	16.5	14.5	15.5
27	5.5	2.0	4.5	3.5	2.0	3.0	13.0	6.0	9.5	18.0	15.0	16.5
28	4.5	0.0	2.0	6.5	2.0	4.0	10.5	8.0	9.0	17.0	14.0	15.5
29	---	---	---	8.0	3.5	5.5	8.5	7.0	8.0	16.5	13.5	15.0
30	---	---	---	9.5	6.0	7.5	8.0	6.0	7.0	20.0	15.0	17.5
31	---	---	---	10.0	7.0	8.5	---	---	---	20.5	16.5	18.5
MONTH	7.5	0.0	1.7	10.5	0.0	4.2	23.0	1.5	10.4	20.5	6.0	13.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.0	16.0	18.0	21.0	17.5	19.0	22.5	18.5	20.5	16.5	15.5	16.0
2	20.5	16.0	18.0	22.0	16.5	19.0	21.5	17.0	19.0	17.5	15.0	16.0
3	20.0	14.0	17.0	23.5	18.5	20.5	23.5	17.5	20.0	21.0	16.0	18.0
4	19.0	15.0	17.0	25.0	18.5	21.5	24.5	18.0	21.0	23.0	18.0	20.0
5	19.5	15.5	17.5	24.0	19.0	21.0	24.0	20.0	21.5	22.0	17.0	19.0
6	18.5	14.5	17.0	20.5	17.5	19.0	21.5	17.0	19.5	21.0	15.5	18.0
7	17.0	14.0	15.5	22.0	16.0	19.0	19.5	15.0	17.5	21.0	15.0	17.5
8	18.0	14.5	16.5	23.0	17.0	20.0	21.0	15.5	18.0	20.5	15.5	18.0
9	20.5	15.0	18.0	21.0	18.0	19.5	23.0	15.5	19.0	20.5	15.0	17.5
10	22.0	17.0	19.5	23.0	17.0	19.5	24.0	17.0	20.0	21.0	15.5	18.0
11	23.0	18.0	20.5	22.5	15.5	18.5	23.5	18.0	20.5	19.0	15.0	17.0
12	22.0	19.5	20.5	23.0	15.5	19.0	23.0	17.5	20.0	18.0	12.5	15.0
13	20.0	16.5	18.0	23.0	16.5	20.0	22.5	17.5	19.5	18.5	12.5	15.0
14	16.5	14.0	15.0	21.5	18.5	20.0	21.0	17.5	19.0	19.0	14.0	16.5
15	14.5	13.5	14.0	22.5	17.0	20.0	21.0	16.0	18.5	18.5	17.5	18.0
16	17.0	13.5	15.0	24.0	18.0	20.5	20.5	17.5	19.0	19.0	17.5	18.0
17	18.5	14.0	16.0	24.0	17.5	20.5	22.0	17.0	19.5	20.0	15.5	17.5
18	19.5	14.0	17.0	24.5	19.0	21.5	23.5	18.5	21.0	18.5	14.5	16.5
19	20.5	15.5	18.0	22.0	18.5	20.0	24.0	19.0	21.5	18.5	15.0	16.5
20	22.0	16.0	19.0	23.0	17.0	20.0	22.0	19.5	20.5	20.5	16.0	18.0
21	22.0	17.0	19.5	22.5	18.5	20.5	23.5	17.5	20.0	19.5	17.5	18.5
22	22.5	18.0	20.0	24.0	18.5	21.0	20.0	17.5	19.0	20.0	18.0	19.0
23	21.5	18.5	20.0	23.0	19.5	21.0	21.0	18.5	19.5	19.5	16.0	18.0
24	23.5	17.5	20.0	23.0	18.0	20.5	19.5	16.5	18.0	18.5	13.5	15.5
25	23.0	18.5	21.0	22.5	18.5	20.0	21.5	15.0	18.0	16.5	13.0	14.5
26	22.0	19.0	20.5	20.0	18.0	19.0	21.0	16.5	18.5	14.5	14.0	14.0
27	23.0	18.0	20.0	20.0	17.0	18.5	22.5	17.0	19.5	14.5	13.5	13.5
28	23.0	19.0	21.0	19.0	17.0	18.0	20.0	18.0	19.0	16.5	14.0	15.0
29	23.0	17.5	20.5	23.0	16.5	19.5	18.0	15.5	16.0	16.0	12.5	14.5
30	23.0	17.5	20.5	24.0	19.5	21.5	18.5	15.0	16.0	16.0	12.5	14.0
31	---	---	---	24.0	18.0	21.0	18.5	15.0	16.5	---	---	---
MONTH	23.5	13.5	18.3	25.0	15.5	20.0	24.5	15.0	19.2	23.0	12.5	16.8

01437500 NEVERSINK RIVER AT GODEFFROY, NY

LOCATION.--Lat 41°26'28", long 74°36'08", Orange County, Hydrologic Unit 02040104, on right bank just upstream from highway bridge on Graham Road, 0.5 mi downstream from Basher Kill, 0.8 mi southeast of Godeffroy, 1.7 mi south of Cuddebackville, and 8.5 mi upstream from mouth.
DRAINAGE AREA.--307 mi^2.
PERIOD OF RECORD.--July 1937 to current year. Gage heights and discharge measurements, August to October 1903 and August 1909 to April 1914, and twice-daily figures of discharge for January 1911 to December 1912 (which do not represent daily mean discharges because of diurnal fluctuation) are published in WSP 97, 261, 321, 351, and 381. August to October 1903, published as "Navesink River at Godeffroy, NY."
REVISED RECORDS.--WSP 1502: 1951(M). WDR NY-82-1: Drainage area. WDR NY-87-1: 1986.
GAGE.--Water-stage recorder. Datum of gage is 459.66 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Apr. 30, 1914, nonrecording gages at same site (August to October 1903 at datum 0.98 ft higher).
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Prior to 1949, diurnal fluctuation at low and medium flow caused by powerplant at Cuddebackville. Subsequent to June 1953, entire flow from 92.5 mi^2 of drainage area controlled by Neversink Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill), impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to regulation, 24,500 ft^3/s, Nov. 26, 1950, gage height, 11.79 ft; maximum discharge since regulation, 33,000 ft^3/s, Aug. 19, 1955, gage height, 12.49 ft, from rating curve extended above 11,000 ft^3/s, on basis of slope-area measurement of peak flow; minimum observed, no flow July 21, 22, 28, 1911, result of regulation.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,770 ft^3/s, June 7, gage height, 5.95 ft; minimum, 54 ft^3/s, Jan. 19, gage height, 3.15 ft (result of freezeup).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	76	109	e66	177	99	499	804	596	228	172	114
2	97	103	115	e66	212	96	437	825	456	240	217	106
3	79	104	79	e64	186	185	388	894	378	232	213	108
4	76	111	73	e64	174	246	416	680	327	207	169	114
5	72	106	67	e64	e160	186	336	572	498	180	159	103
6	76	95	62	e64	147	165	303	478	853	168	178	93
7	76	87	58	e64	141	152	278	419	2320	162	162	88
8	71	105	61	e64	133	140	262	368	1410	164	118	96
9	69	97	75	e64	130	134	261	344	1060	173	108	123
10	69	88	76	e66	120	154	271	335	872	175	111	128
11	67	92	68	e68	170	178	253	298	717	151	120	111
12	67	85	70	e72	195	154	236	309	586	140	153	95
13	65	78	72	e74	e150	146	231	1070	584	134	175	83
14	65	73	78	e74	e130	145	264	1760	650	135	184	79
15	82	72	114	e72	e120	143	418	1210	962	143	185	88
16	100	72	112	e72	e120	147	383	899	827	142	213	498
17	95	69	98	e74	124	169	315	745	666	144	171	320
18	85	67	173	e68	120	160	284	1190	542	158	136	188
19	88	65	209	e60	113	162	261	1210	465	162	116	164
20	83	66	175	e62	111	190	253	880	407	174	143	157
21	79	68	146	e70	114	225	249	729	355	153	127	153
22	81	66	129	e82	119	291	233	600	329	156	117	160
23	87	63	113	e80	115	249	228	515	304	191	131	167
24	87	62	126	e86	108	234	213	447	291	202	145	155
25	89	66	130	e100	103	248	227	384	258	156	151	150
26	83	80	108	127	101	271	371	363	261	138	112	148
27	77	84	81	118	105	860	295	356	289	141	106	294
28	79	74	e78	117	106	825	642	608	289	158	100	806
29	77	71	e72	124	---	629	1300	1170	246	174	208	360
30	76	75	e70	145	---	568	886	730	222	170	251	241
31	76	---	e68	184	---	510	---	562	---	163	137	---
TOTAL	2486	2420	3065	2575	3804	8061	10993	21754	18020	5214	4788	5490
MEAN	80.2	80.7	98.9	83.1	136	260	366	702	601	168	154	183
MAX	113	111	209	184	212	860	1300	1760	2320	240	251	806
MIN	65	62	58	60	101	96	213	298	222	134	100	79

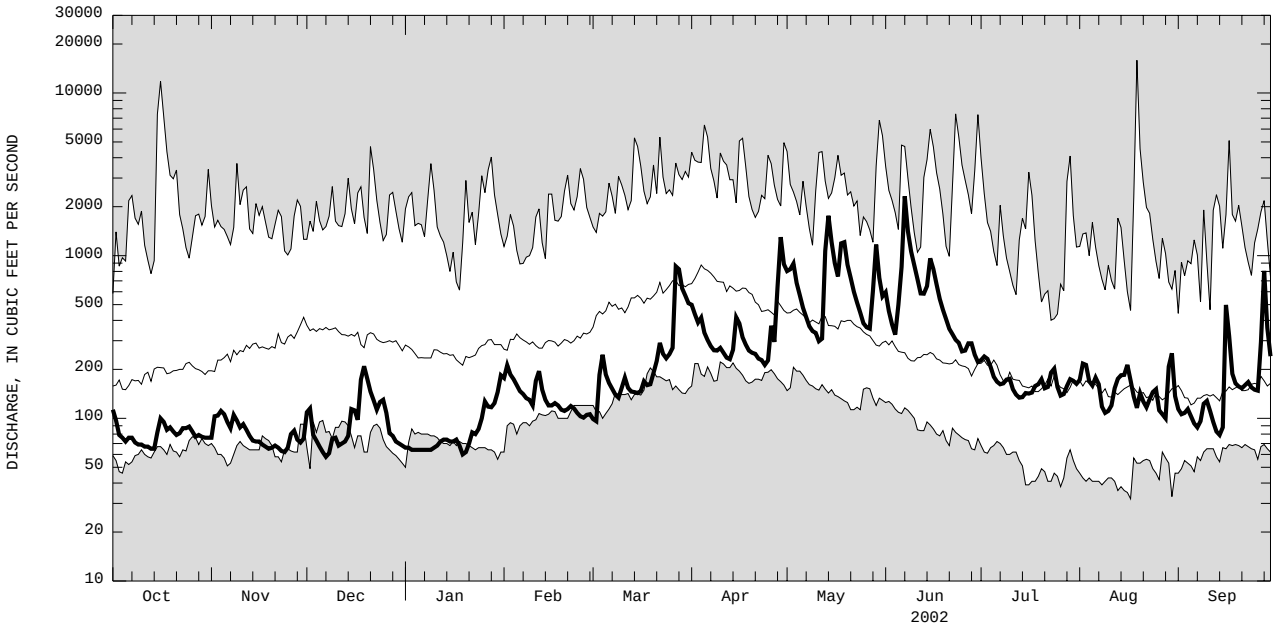
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

MEAN	291	372	433	368	406	681	833	545	391	238	221	219
MAX	2033	1094	1227	1053	981	1370	2080	1392	1722	652	1327	705
(WY)	1956	1956	1974	1979	1976	1977	1993	1989	1972	1972	1955	1960
MIN	80.2	80.7	86.8	72.6	118	260	248	180	111	54.2	76.0	71.1
(WY)	2002	2002	1999	1981	1980	2002	1985	1962	1957	1966	1968	1972

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1954 - 2002	
ANNUAL TOTAL	116761		88670			
ANNUAL MEAN	320		243		416	
HIGHEST ANNUAL MEAN					704	1956
LOWEST ANNUAL MEAN					215	1965
HIGHEST DAILY MEAN	4280	Apr 10	2320	Jun 7	15900	Aug 19 1955
LOWEST DAILY MEAN	58	Dec 7	58	Dec 7	32	Aug 17 1965
ANNUAL SEVEN-DAY MINIMUM	65	Nov 19	64	Jan 3	38	Aug 11 1965
10 PERCENT EXCEEDS	705		585		868	
50 PERCENT EXCEEDS	179		146		270	
90 PERCENT EXCEEDS	76		70		105	

e Estimated

01437500 NEVERSINK RIVER AT GODEFFROY, NY--Continued



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.

01438500 DELAWARE RIVER AT MONTAGUE, NJ

LOCATION.--Lat 41°18'33", long 74°47'44", Pike County, PA, Hydrologic Unit 02040104, on right bank 1,500 ft upstream from toll bridge (on U.S. Route 206) between Montague, NJ and Milford, PA, 0.8 mi downstream from Sawkill Creek, and at river mile 246.3.

DRAINAGE AREA.--3,480 mi^2.

PERIOD OF RECORD.--March 1936 to September 1939 (gage heights only, published as "at Milford, PA"). October 1939 to current year. Monthly discharge only for some periods, published in WSP 1302.

REVISED RECORDS.--WDR-NJ-81-2: 1980.

GAGE.--Water-stage recorder. Datum of gage is 369.93 ft above NGVD of 1929. Prior to Feb. 9, 1940, nonrecording gage on upstream side of left span of subsequently dismantled bridge at present site at datum 70 ft lower.

REMARKS.-- Records good except for estimated daily discharges which are fair. Diurnal fluctuation at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack, Cliff Lake, and by Pepacton, Cannonsville, Swinging Bridge, Toronto, and Neversink Reservoirs (see Delaware River basin, diversions). Several measurements of water temperature were made during the year. Satellite gage-height telemetry at station. All data for this site are collected, stored, and reported in local standard time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1620	1690	1520	1460	6800	2250	8570	12100	8150	2460	1740	1360
2	1650	1750	2090	1380	6670	2080	8150	10900	8260	3240	1820	1540
3	1820	1790	2290	1650	6350	2190	6820	12200	6190	3250	1770	1670
4	1760	1690	1710	1630	5000	2750	6240	9330	5510	2750	1750	1650
5	1760	1640	1470	1510	4360	3110	5810	7450	4980	2520	1720	1610
6	1930	1790	1350	1370	3750	2610	4890	6490	6520	2420	1900	1790
7	1730	1630	1260	1340	3320	2430	4100	5820	18400	2100	1800	1740
8	1700	1620	1430	1440	2950	2310	3820	5240	18800	1960	1720	1620
9	1860	1530	1320	1150	2680	2180	4030	5020	11700	2080	1670	1600
10	1730	1630	1270	1400	2490	2290	4060	5010	9260	2210	1680	1750
11	1820	1550	1180	1430	3340	2520	3940	4590	8590	2260	1640	1680
12	1800	1520	1240	1410	8320	2680	3790	3950	7010	1940	1630	1730
13	1870	1530	1400	1360	6450	2410	3290	6960	6430	1800	1680	1760
14	1740	1490	1260	1240	4960	2380	2810	23800	6330	1440	1740	1830
15	1730	1530	1580	1370	3950	2340	4250	20500	8790	1510	1740	1940
16	1850	1510	2010	1180	3710	2380	6480	14700	10000	1950	1830	2230
17	1870	1560	2110	1120	3310	2470	6050	11300	9320	1800	1930	2090
18	1880	1510	2240	1010	3070	2670	5420	11500	7770	1950	1840	1680
19	1770	1500	5160	1070	2740	2530	4960	17300	6710	1830	1730	1810
20	1740	1480	4750	951	2490	2600	4310	13500	5960	1940	1770	1730
21	1710	1500	3810	943	2470	3070	3680	10400	5220	1960	1770	1540
22	1720	1510	3270	1080	2710	3720	3390	8650	4500	1930	1820	1680
23	1750	1530	2720	1340	3000	3870	3790	7340	3680	1960	1700	1030
24	1750	1520	2460	1340	2710	3410	3600	6740	3780	2010	1670	1770
25	1860	1580	2370	1390	2440	3370	3500	6400	4060	2200	1720	2000
26	1980	1590	2360	1650	2330	3490	4230	4750	4000	1990	1810	1700
27	1890	1780	2000	2210	2320	8860	4540	4540	4320	1710	1590	1870
28	1830	1720	1930	2250	2280	14200	4350	4600	4130	1770	1490	3380
29	1840	1450	1920	2490	---	11200	12200	12100	3720	1810	1870	3700
30	1820	1470	1930	2740	---	9520	14200	10500	2650	1950	2120	2630
31	1830	---	1900	5260	---	9060	---	8020	---	1780	1920	---
TOTAL	55610	47590	65310	49164	106970	122950	159270	291700	214740	64480	54580	56110
MEAN	1794	1586	2107	1586	3820	3966	5309	9410	7158	2080	1761	1870
MAX	1980	1790	5160	5260	8320	14200	14200	23800	18800	3250	2120	3700
MIN	1620	1450	1180	943	2280	2080	2810	3950	2650	1440	1490	1030

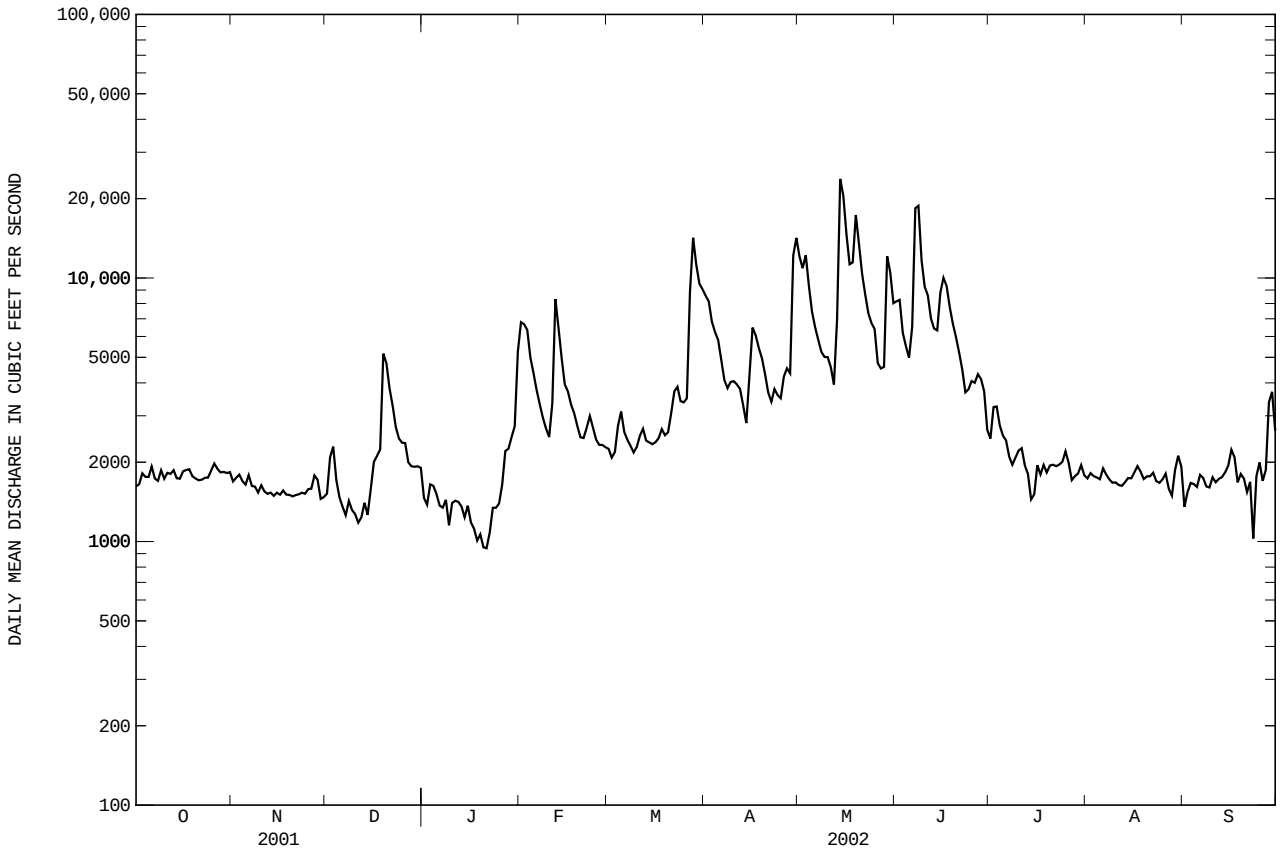
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	3277	4989	6088	5758	5921	9863	11800	7388	4473	3040	2577	2636
MAX	15690	11760	18830	15600	15120	24480	31560	16090	15200	11220	14230	9167
(WY)	1956	1952	1997	1996	1976	1945	1940	1943	1972	1945	1955	1960
MIN	807	995	1665	1318	1748	3191	3322	2215	1214	864	715	892
(WY)	1942	1965	1999	1981	1980	1981	1985	1965	1965	1954	1954	1941

01438500 DELAWARE RIVER AT MONTAGUE, NJ--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1940 - 2002	
ANNUAL TOTAL	1379530		1288474			
ANNUAL MEAN	3780		3530		5646	
HIGHEST ANNUAL MEAN					8621	1952
LOWEST ANNUAL MEAN					2309	1965
HIGHEST DAILY MEAN	35800	Apr 11	23800	May 14	187000	Aug 19 1955
LOWEST DAILY MEAN	1180	Dec 11	943	Jan 21	412	Aug 23 1954
ANNUAL SEVEN-DAY MINIMUM	1290	Dec 6	1050	Jan 16	565	Jul 1 1965
MAXIMUM PEAK FLOW			26300	May 14	250000a	Aug 19 1955
MAXIMUM PEAK STAGE			11.91	May 14	35.15	Aug 19 1955
INSTANTANEOUS LOW FLOW			776	Jan 21	382	Aug 24 1954
10 PERCENT EXCEEDS	6630		7870		12000	
50 PERCENT EXCEEDS	2200		2080		3400	
90 PERCENT EXCEEDS	1590		1470		1600	

a From rating curve extended above 90,000 ft^3/s on basis of flood-routing study.



RESERVOIRS IN DELAWARE RIVER BASIN

01416900 PEPACTON RESERVOIR.--Lat 42°04′38″, long 74°58′04″, Delaware County, Hydrologic Unit 02040102, near release chamber at Downsville Dam on East Branch Delaware River, and 1.6 mi east of Downsville.
DRAINAGE AREA, 372 mi^2. **PERIOD OF RECORD**, September 1954 to current year. **REVISED RECORDS**, WDR NY-90-1: Drainage area. **GAGE**, water-stage recorder. Datum of gage is NGVD of 1929 (levels by Board of Water Supply, City of New York).

Reservoir is formed by an earthfill rockfaced dam. Storage began Sept. 15, 1954. Usable capacity 140,190 mil gal between minimum operating level, elevation, 1,152.0 ft and crest of spillway, elevation, 1,280.0 ft. Capacity: at crest of spillway 149,799 mil gal; at minimum operating level, 9,609 mil gal; at sill of diversion tunnel, elevation, 1,143.0 ft, 6,098 mil gal; in dead storage below release outlet, elevation, 1,126.50 ft, 1,898 mil gal. Figures given herein represent total contents. Reservoir impounds water for diversion through East Delaware Tunnel to Rondout Reservoir on Rondout Creek, in Hudson River basin (see elsewhere in this section), for water supply to City of New York; for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master; and for conservation release. No diversion prior to Jan. 6, 1955. Records provided by New York City Department of Environmental Protection.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 154,027 mil gal, Apr. 5, 1960, elevation, 1,282.27 ft; minimum observed (after first filling), 9,575 mil gal, Dec. 26, 1964, elevation, 1,151.92 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 133,365 mil gal, June 30, elevation, 1,270.79 ft; minimum observed, 55,188 mil gal, Jan. 24, elevation, 1,213.64 ft.

01424997 CANNONSVILLE RESERVOIR.--Lat 42°03′46″, long 75°22′29″, Delaware County, Hydrologic Unit 02040101, in emergency gate tower at Cannonsville Dam on West Branch Delaware River, and 1.8 mi southeast of Stilesville.
DRAINAGE AREA, 454 mi^2. **PERIOD OF RECORD**, October 1963 to current year. **REVISED RECORDS**, WDR NY-71-1: 1966. **GAGE**, water-stage recorder. Datum of gage is NGVD of 1929 (levels by Board of Water Supply, City of New York).

Reservoir is formed by an earthfill rockfaced dam. Storage began Sept. 30, 1963. Usable capacity 95,706 mil gal between minimum operating level, elevation, 1,040.0 ft and crest of spillway, elevation, 1,150.0 ft. Capacity, at crest of spillway, 98,618 mil gal; at minimum operating level, 2,912 mil gal; at mouth of inlet channel to diversion tunnel, elevation, 1,035.0 ft, 1,892 mil gal; in dead storage below release outlet elevation, 1,020.5 ft, 328 mil gal. Figures given herein represent total contents. Impounded water is diverted for New York City water supply via West Delaware Tunnel to Rondout Reservoir in Hudson River basin (see elsewhere in this section); is released in Delaware River for downstream low flow augmentation, as directed by the Delaware River Master; and is released for conservation flow in the Delaware River. No diversion prior to January 29, 1964. Records provided by New York City Department of Environmental Protection.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 109,617 mil gal, Mar. 16, 1986, elevation, 1,156.73 ft; minimum observed (after first filling), 6,157 mil gal, Nov. 26, 2001, elevation, 1,051.76 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 92,320 mil gal, June 19, elevation, 1,145.86 ft; minimum observed, 6,157 mil gal, Nov. 26, elevation, 1,051.76 ft.

01433000 SWINGING BRIDGE RESERVOIR.--Lat 41°34′21″, long 74°47′00″, Sullivan County, Hydrologic Unit 02040104, at dam on Mongaup River, and 1.8 mi northwest of Fowlersville. **DRAINAGE AREA**, 116 mi^2, excluding Cliff Lake, Lebanon Lake, and Toronto Reservoir. **PERIOD OF RECORD**, January 1930 to current year. **REVISED RECORDS**, WSP 1552: 1951-54. WDR NY-86-1: 1985. WDR NY-90-1: Drainage area. **GAGE**, nonrecording gage, usually daily readings about 0900. Datum of gage is NGVD of 1929 (levels by Orange and Rockland Utilities, Inc.). All capacity figures given herein are based on zero storage at minimum operating pool level, 1,010 ft.

Reservoir is formed by an earthfill dam. Storage began Jan. 19, 1930. Usable capacity, 1,436.6 mil ft^3 between elevations 1,010.0 ft, minimum operating pool, and 1,071.2 ft, top of flashboards. Capacity below elevation 1,010.0 ft, minimum operating pool, about 212.7 mil ft^3. Reservoir is used for storage of water for power. Figures given herein represent contents above 1,010.0 ft. Water is received from Cliff Lake, Lebanon Lake, and Toronto Reservoir. Records provided by Mirant New York, Inc.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 1,461.6 mil ft^3, Mar. 14, 1977, elevation, 1,071.8 ft; minimum observed (after first filling), -141.4 mil ft^3, Dec. 2, 1938, elevation, 987.5 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 1,379.2 mil ft^3, Mar. 28, elevation, 1,069.8 ft; minimum observed, 847.5 mil ft^3, Nov. 29, 30, Dec. 14, elevation, 1,055.1 ft.

01433100 TORONTO RESERVOIR.--Lat 41°37′15″, long 74°49′55″, Sullivan County, Hydrologic Unit 02040104, at dam on Black Lake Creek, and 2.5 mi southeast of village of Black Lake. **DRAINAGE AREA**, 22.9 mi^2. **PERIOD OF RECORD**, January 1926 to current year. **REVISED RECORDS**, WSP 1552: 1951-54. WSP 1702: 1959 (M). WDR NY-85-1: 1984. WDR NY-86-1: 1985. WDR NY-90-1: Drainage area. **GAGE**, nonrecording gage, usually daily readings about 0900. Datum of gage is NGVD of 1929 (levels by Orange and Rockland Utilities, Inc.). All capacity figures given herein are based on zero storage at minimum operating pool level, 1,165.0 ft.

Reservoir is formed by an earthfill dam completed July 24, 1926. Storage began Jan. 13, 1926. Usable capacity 1,098.2 mil ft^3 between elevations 1,165.0 ft, minimum operating pool, and 1,220.0 ft, top of permanent flashboards. Capacity below elevation 1,165.0 ft, minimum operating pool, about 26.8 mil ft^3. Reservoir is used for storage of water for power. Figures given herein represent contents above 1,165.0 ft. Records provided by Mirant New York, Inc.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 1,171.2 mil ft^3, July 20, 1945, elevation, 1,222.0 ft; minimum observed (after first filling), -26.8 mil ft^3, Nov. 15, 1928, elevation, 1,144.5 ft.

EXTREMES OF CURRENT YEAR.--Maximum contents observed, 955.0 mil ft^3, July 1, 3, 5, elevation, 1,215.8 ft; minimum observed, 413.3 mil ft^3, Nov. 30, elevation, 1,195.6 ft.

01433200 CLIFF LAKE.--Lat 41°35′00″, long 74°47′40″, Sullivan County Hydrologic Unit 02040104, at dam on Black Lake Creek, and 2.5 mi northwest of Fowlersville. **DRAINAGE AREA**, 6.46 mi^2, excluding area above Toronto Reservoir. **PERIOD OF RECORD**, January 1939 to current year. **REVISED RECORDS**, WSP 1552: 1951-54. WDR NY-75-1: 1974(m). WDR NY-86-1: 1985. **GAGE**, nonrecording gage, usually daily readings about 0900. Datum of gage is NGVD of 1929 (levels by Orange and Rockland Utilities, Inc.). All capacity figures given herein are based on zero storage at minimum operating pool level, 1,043.3 ft.

Reservoir is formed by a concrete gravity-type dam. Storage began Jan. 6, 1939. Usable capacity, 136.06 mil ft^3 between elevations 1,043.3 ft, minimum operating pool, and 1,072.0 ft, top of permanent flashboards. Capacity below elevation 1,043.3 ft, minimum operating pool, about 6.54 mil ft^3. Reservoir is used for storage of water for power. Water is received from Toronto and Lebanon Lake reservoirs and is discharged through a tunnel into Swinging Bridge Reservoir. Figures given herein represent contents above 1,043.3 ft. Records provided by Mirant New York, Inc.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 145.44 mil ft^3, July 30, 31, 1945, elevation, 1,073.1 ft; minimum observed (after first filling), about -6.54 mil ft^3, Mar. 16, 1963, elevation, 1,038.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 118.10 mil ft^3, May 29, elevation, 1,069.8 ft; minimum observed, 31.39 mil ft^3, Dec. 12, elevation, 1,054.9 ft.

RESERVOIRS IN DELAWARE RIVER BASIN--Continued

01435900 NEVERSINK RESERVOIR.--Lat 41°49′27″, long 74°38′20″, Sullivan County, Hydrologic Unit 02040104, at a gatehouse at Neversink Dam on Neversink River, and 2 mi southwest of Neversink. **DRAINAGE AREA**, 92.5 mi^2. **PERIOD OF RECORD**, June 1953 to current year. **REVISED RECORDS**, WDR NY-85-1: Drainage area. **GAGE**, nonrecording gage read daily at 0900. Datum of gage is NGVD of 1929 (levels by Board of Water Supply, City of New York).

Reservoir is formed by an earthfill rockfaced dam. Storage began June 2, 1953. Usable capacity 34,941 mil gal between minimum operating level, elevation, 1,319.0 ft and crest of spillway, elevation, 1,440.0 ft. Capacity at crest of spillway 37,146 mil gal; at minimum operating level, 2,205 mil gal; dead storage below diversion sill and outlet sill, elevation 1,314.0 ft, 1,680 mil gal. Figures given herein represent total contents. Reservoir impounds water for diversion through Neversink-Grahamsville Tunnel to Rondout Reservoir on Rondout Creek, in Hudson River basin, for water supply of City of New York (see elsewhere in this section); for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master; and for conservation release. No diversion prior to Dec. 3, 1953. Records provided by New York City Department of Environmental Protection.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 37,983 mil gal, Apr. 17, 1993, elevation, 1,441.68 ft; minimum observed (after first filling), 1,985 mil gal, Nov. 25, 1964, elevation, 1,316.98 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 33,471 mil gal, June 24, elevation, 1,432.33 ft; minimum observed, 13,224 mil gal, Nov. 30, elevation, 1,377.07 ft.

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft^3/s)	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft^3/s)	Elevation (feet) †	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)
	01416900 Pepacton Reservoir			**01424997 Cannonsville Reservoir**			**01433000 Swinging Bridge Reservoir**		
Sept. 30	1,249.08	98,808		1,100.10	36,280		1,061.3	1,056.0	
Oct. 31	1,238.58	84,284	- 725	1,067.81	12,699	-1,177	1,058.4	955.6	- 37.5
Nov. 30	1,218.99	60,889	-1,207	1,052.69	6,459	- 322	1,055.1	847.5	- 41.7
Dec. 31	1,216.21	57,894	- 149	1,066.32	11,942	+ 274	1,056.5	892.6	+ 16.8
CAL YR 2001	--	--	- 292	--	--	- 375	--	--	- 10.7
Jan. 31	1,216.95	58,683	+ 39.4	1,080.83	20,491	+ 427	1,056.3	886.1	- 2.4
Feb. 28	1,225.86	68,606	+ 548	1,101.45	37,618	+ 946	1,063.3	1,128.1	+100
Mar. 31	1,237.62	83,028	+ 720	1,112.65	49,336	+ 585	1,068.2	1,315.1	+ 69.8
Apr. 30	1,247.03	95,860	+ 662	1,125.64	64,703	+ 793	1,068.3	1,319.1	+ 1.5
May 31	1,262.73	119,850	+1,197	1,142.10	86,821	+1,104	1,068.1	1,311.1	- 2.9
June 30	1,270.72	133,244	+ 691	1,144.18	89,827	+ 155	1,068.1	1,311.1	0.0
July 31	1,262.75	119,882	- 667	1,132.41	73,448	- 818	1,064.8	1,183.8	- 47.5
Aug. 31	1,253.74	105,723	- 707	1,110.43	46,867	-1,327	1,064.7	1,180.1	- 1.4
Sept. 30	1,244.67	92,537	- 680	1,101.44	37,608	- 478	1,064.0	1,153.9	- 10.1
WTR YR 2002	--	--	- 26.6	--	--	+ 5.6	--	--	+ 3.1

Date	Elevation (feet) †	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)	Elevation (feet) †	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft^3/s)
	01433100 Toronto Reservoir			**01433200 Cliff Lake**			**01435900 Neversink Reservoir**		
Sept. 30	1,197.9	465.8		1,061.2	60.50		1,401.15	20,749	
Oct. 31	1,196.7	438.1	-10.4	1,058.4	46.04	- 5.4	1,384.58	15,352	-269
Nov. 30	1,195.6	413.3	- 9.6	1,055.4	33.32	- 4.9	1,377.67	13,388	-101
Dec. 31	1,196.0	422.2	+ 3.3	1,056.3	36.89	+ 1.3	1,382.27	14,675	+ 64.2
CAL YR 2001	--	--	- 2.9	--	--	- 2.0	--	--	- 73.2
Jan. 31	1,196.0	422.2	0.0	1,056.2	36.48	- 0.2	1,380.47	14,163	- 25.6
Feb. 28	1,197.8	463.5	+17.1	1,063.0	71.06	+14.3	1,383.40	15,003	+ 46.4
Mar. 31	1,201.0	541.2	+29.0	1,068.6	108.86	+14.1	1,393.92	18,275	+163
Apr. 30	1,204.0	618.2	+29.7	1,068.6	108.86	0.0	1,408.81	23,568	+273
May 31	1,210.2	786.5	+62.8	1,069.8	118.10	+ 3.4	1,424.75	30,067	+324
June 30	1,215.8	955.0	+65.0	1,068.3	106.61	- 4.4	1,430.95	32,835	+143
July 31	1,212.9	864.8	-33.7	1,064.9	83.02	- 8.8	1,421.30	28,589	-212
Aug. 31	1,206.7	689.9	-65.3	1,064.6	81.10	- 0.7	1,409.64	23,885	-235
Sept. 30	1,206.6	687.2	- 1.0	1,063.9	76.64	- 1.7	1,402.44	21,208	-138
WTR YR 2002	--	--	+ 7.0	--	--	+ 0.5	--	--	+ 1.9

†† Elevation at daily reading on first day of following month.
† Elevation from reading on or nearest last day of month.

DIVERSIONS FROM DELAWARE RIVER BASIN

01415200 Diversion from Pepacton Reservoir (see preceding pages) on East Branch Delaware River to Rondout Reservoir on Rondout Creek, in Hudson River basin, for municipal supply of City of New York. No diversion prior to Jan. 6, 1955. Records provided by Bureau of Water Resources Development and Department of Environmental Protection, City of New York.
REVISED RECORDS, WDR NY-71-1: 1970. WDR NY-81-1: 1980.

01423900 Diversion from Cannonsville Reservoir (see preceding pages) on West Branch Delaware River to Rondout Reservoir on Rondout Creek, in Hudson River basin, for municipal supply of City of New York. No diversion prior to Jan. 29, 1964. Records provided by Bureau of Water Resources Development and Department of Environmental Protection, City of New York.
REVISED RECORDS, WDR NY-81-1: 1980.

01435800 Diversion from Neversink Reservoir (see preceding pages) on Neversink River to Rondout Reservoir on Rondout Creek, in Hudson River basin, for municipal supply of City of New York. No diversion prior to Dec. 3, 1953. Records provided by Bureau of Water Resources Development and Department of Environmental Protection, City of New York.
REVISED RECORDS, WDR NY-82-1: 1976, 1977.

DIVERSION, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Month	01415200 Pepacton Reservoir	01423900 Cannonsville Reservoir	01435800 Neversink Reservoir
October.....	733	69.1	292
November.....	765	0.0	121
December.....	506	0.0	91.7
CAL YR 2001	606	258	157
January.....	375	9.9	129
February.....	409	278	162
March.....	137	441	141
April.....	296	368	56.6
May.....	32.2	462	28.8
June.....	51.7	693	46.4
July.....	675	456	181
August.....	666	425	179
September.....	728	151	128
WTR YR 2002	448	279	130

04250200 SALMON RIVER AT PINEVILLE, NY

LOCATION.--Lat 43°32'00", long 76°02'20", Oswego County, Hydrologic Unit 04140102, on right bank 30 ft downstream from County Highway 48 in Pineville, 0.8 mi upstream from Trout Brook, and 2.3 mi northwest of Altmar.
DRAINAGE AREA.--238 mi^2.
PERIOD OF RECORD.--November 1992 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 477.54 ft above NGVD of 1929.
REMARKS.--No estimated daily discharges. Records good. Seasonal regulation of flow by Salmon River Reservoir at Redfield. Extensive diurnal fluctuation caused by powerplants at Bennett Bridge and Lighthouse Hill operated by Reliant Energy (Orion Power New York). Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,700 ft^3/s, Jan. 8, 1998, gage height, 12.62 ft; minimum discharge not determined.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 24,800 ft^3/s, Dec. 29, 1984, gage height, 16.36 ft, on basis of contracted-opening measurement of peak flow.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,200 ft^3/s, Apr. 14, gage height, 12.07 ft; minimum, 138 ft^3/s, Sept. 26, 27, gage height, 5.10 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

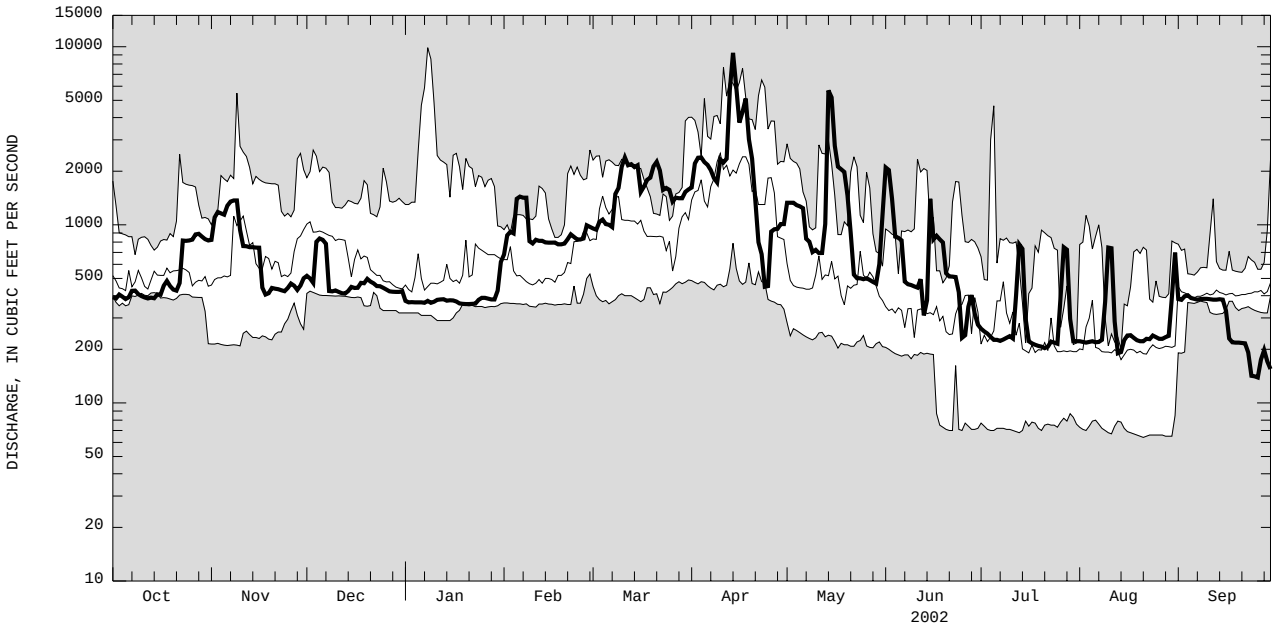
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	392	823	517	374	681	954	1620	1330	2100	261	222	383
2	386	1100	500	367	873	939	2210	1330	2030	252	220	379
3	406	1180	472	368	914	1040	2380	1330	1400	245	218	397
4	395	1160	803	367	895	1070	2390	1290	858	235	220	402
5	383	1140	838	367	1400	1010	2250	1270	845	226	222	388
6	392	1280	823	367	1440	1000	2170	1240	818	226	219	384
7	426	1350	783	365	1420	971	2030	835	480	223	220	380
8	427	1370	425	374	1420	1490	1830	804	464	227	226	383
9	408	1370	423	365	809	1610	1730	703	459	232	369	384
10	398	936	428	370	786	2120	2330	723	451	237	745	384
11	391	760	420	379	824	2390	2240	694	444	230	739	382
12	386	758	413	381	813	2160	2350	695	495	401	287	380
13	390	749	411	382	813	2190	5740	1010	310	776	190	380
14	387	749	425	375	797	2110	9240	5680	377	733	193	382
15	407	745	448	377	794	2160	6000	5190	1400	298	225	380
16	405	744	442	376	794	1530	3750	2780	828	222	239	330
17	455	444	443	371	795	1640	4310	2120	868	216	240	230
18	484	406	472	362	777	1790	5120	2050	829	212	232	219
19	453	413	470	360	777	1840	3020	1980	796	209	225	218
20	433	442	497	359	785	2130	2350	1460	535	207	222	218
21	427	438	480	359	830	2260	1380	899	513	203	222	217
22	471	435	469	360	884	2020	798	525	512	207	229	216
23	816	429	453	361	855	1570	684	501	509	221	228	192
24	813	424	452	379	828	1610	449	501	418	218	239	142
25	817	442	443	389	827	1570	453	495	232	215	234	141
26	826	468	433	389	838	1350	916	501	240	395	229	139
27	883	455	423	385	994	1420	944	490	347	748	229	175
28	890	431	421	381	974	1410	949	478	403	725	234	198
29	859	456	420	381	---	1410	1010	468	317	296	238	171
30	831	501	420	427	---	1530	1010	601	275	222	394	155
31	817	---	424	619	---	1580	---	1130	---	222	698	---
TOTAL	16654	22398	15291	11836	25637	49874	73653	41103	20553	9540	8847	8729
MEAN	537	747	493	382	916	1609	2455	1326	685	308	285	291
MAX	890	1370	838	619	1440	2390	9240	5680	2100	776	745	402
MIN	383	406	411	359	681	939	449	468	232	203	190	139

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	600	793	772	846	741	1110	1955	758	428	303	244	437
MAX	822	1295	1397	1704	1291	1609	2818	1326	768	610	333	609
(WY)	1996	1996	1997	1998	1996	2002	1993	2002	1993	1999	1994	1994
MIN	405	245	390	359	532	549	512	261	214	74.4	70.4	291
(WY)	1999	1999	1999	2001	1995	1993	1995	1998	1995	1995	1995	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	241862		304115			
ANNUAL MEAN	663		833		741	
HIGHEST ANNUAL MEAN					920	1996
LOWEST ANNUAL MEAN					548	1995
HIGHEST DAILY MEAN	6460	Apr 13	9240	Apr 14	9880	Jan 8 1998
LOWEST DAILY MEAN	193	Aug 14	139	Sep 26	64	Aug 21 1995
ANNUAL SEVEN-DAY MINIMUM	198	Jul 27	160	Sep 24	65	Aug 19 1995
10 PERCENT EXCEEDS	1170		1810		1580	
50 PERCENT EXCEEDS	423		468		469	
90 PERCENT EXCEEDS	213		223		205	

04250200 SALMON RIVER AT PINEVILLE, NY--Continued



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.

04252500 BLACK RIVER NEAR BOONVILLE, NY

LOCATION.--Lat 43°30'42", long 75°18'25", Oneida County, Hydrologic Unit 04150101, on left bank at downstream side of bridge on Moose River Road, 0.8 mi upstream from Sugar River, and 2 mi northeast of Boonville.
DRAINAGE AREA.--304 mi^2.
PERIOD OF RECORD.--January to February 1911 (monthly discharges only, published in WSP 1307), March 1911 to current year.
REVISED RECORDS.--WSP 784: 1934. WSP 1084: 1912(M), 1913, 1917-1919(M), 1922(M), 1924(M), 1926(M), 1928)M), 1930(M), 1933(M). WSP 1307: 1914(M). WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 935.50 ft above NGVD of 1929. Prior to Sept. 27, 1933, nonrecording gage at same site and datum.
REMARKS.--Records good except those below 800 ft^3/s, which are fair, and those for estimated daily discharges, which are poor. Occasional regulation by several headwater reservoirs. Forestport feeder diverts water from State Pond at Forestport 9 mi upstream. That portion of diverted water which does not pass Black River Canal (flowing south), returns to Black River downstream from station through Mill Creek sluiceway. Slight diurnal fluctuation at medium and low flow caused by mill upstream from station. Telephone and satellite gage-height telemeters at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,800 ft^3/s, Apr. 18, 1982, Dec. 30, 1984, gage heights, 11.31 ft and 11.41 ft, respectively; maximum gage height, 13.10 ft, Feb. 21, 1981 (ice jam); minimum observed discharge, about 5 ft^3/s, Aug. 26, 1918, gage height, 2.40 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 10	2230	4,040	8.42	Apr. 14	1630	*7,140	*9.75

Minimum discharge, 92 ft^3/s, Aug. 15, Sept. 14, gage height, 3.51 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	537	1800	e340	971	768	2300	1300	2210	438	177	152
2	254	748	1750	e360	1380	730	2160	1240	1680	355	151	144
3	258	995	1330	e360	1460	1190	2000	1310	1290	331	136	140
4	237	1060	1050	e350	1290	1450	2060	1220	1020	263	139	311
5	233	944	782	e370	1010	1270	1720	891	948	231	149	190
6	258	808	725	e350	667	1070	1420	782	862	231	147	165
7	326	625	634	e340	e650	932	1180	724	785	227	146	158
8	347	551	568	e350	636	831	1040	843	735	219	146	150
9	328	525	534	e370	541	1060	1300	895	558	213	143	132
10	285	482	495	e420	529	2380	3210	894	505	197	138	118
11	266	474	466	461	1050	2680	3480	778	433	184	136	104
12	252	423	416	439	1330	2070	2680	765	708	159	133	105
13	284	395	476	406	1250	1460	3020	1320	1190	176	163	99
14	269	393	645	411	1010	1250	e6100	2650	952	190	175	94
15	343	358	1210	406	813	1220	5880	2890	973	177	149	114
16	393	359	1210	354	736	1530	4500	1990	1320	170	113	194
17	653	358	972	e340	620	1690	2590	1620	1320	168	142	203
18	811	347	1020	e320	514	1560	1890	1690	1170	170	141	160
19	590	327	866	e340	498	1360	1550	1560	766	174	140	162
20	440	387	836	e350	578	1200	1320	1360	614	182	139	141
21	410	468	679	e370	986	969	1110	1110	529	166	136	138
22	743	397	586	e380	1390	797	963	983	426	160	139	176
23	726	378	460	396	1290	879	1130	718	494	171	169	400
24	566	343	609	439	1020	917	960	808	489	191	248	306
25	596	488	431	611	839	860	960	850	409	181	332	176
26	594	1020	444	641	884	832	1290	821	393	180	272	162
27	547	928	331	573	1080	1460	1180	805	695	190	180	377
28	506	753	e310	489	987	1610	1130	687	1430	187	177	1400
29	448	904	e320	e440	---	1420	1420	618	1150	203	165	937
30	425	1200	e310	514	---	1740	1420	1260	660	227	158	374
31	390	---	e320	734	---	2380	---	2080	---	221	140	---
TOTAL	13060	17975	22585	13024	26009	41565	62963	37462	26714	6532	5019	7482
MEAN	421	599	729	420	929	1341	2099	1208	890	211	162	249
MAX	811	1200	1800	734	1460	2680	6100	2890	2210	438	332	1400
MIN	233	327	310	320	498	730	960	618	393	159	113	94

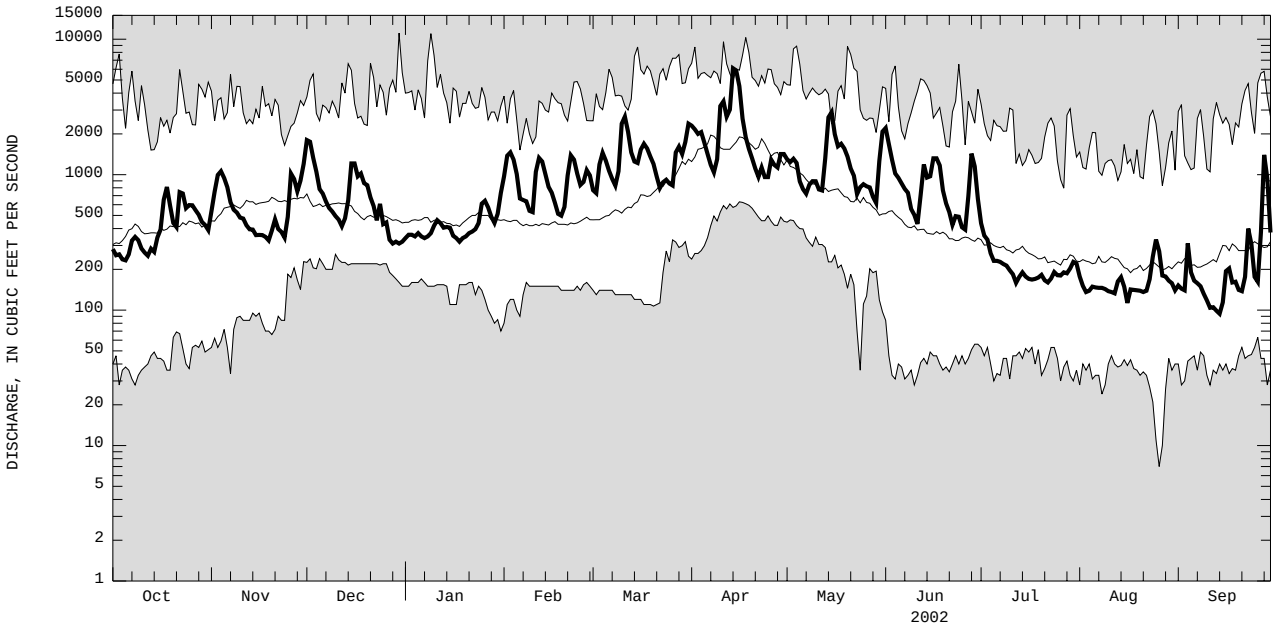
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2002, BY WATER YEAR (WY)

MEAN	536	737	728	649	579	1020	1894	984	519	355	285	380
MAX	1695	1480	1759	1837	1410	2394	3313	2402	1707	980	760	1157
(WY)	1946	1960	1974	1913	1981	1921	1993	1972	1917	1947	1986	1975
MIN	55.0	149	260	158	167	302	692	328	55.0	55.4	41.5	49.4
(WY)	1915	1931	1961	1931	1931	1931	1995	1941	1920	1913	1913	1913

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1911 - 2002	
ANNUAL TOTAL	254948		280390			
ANNUAL MEAN	698		768		722	
HIGHEST ANNUAL MEAN					1119	1976
LOWEST ANNUAL MEAN					448	1931
HIGHEST DAILY MEAN	6540	Jun 24	6100	Apr 14	11100	Dec 30 1984
LOWEST DAILY MEAN	98	Aug 26	94	Sep 14	7.0	Aug 26 1918
ANNUAL SEVEN-DAY MINIMUM	113	Sep 13	109	Sep 9	19	Aug 22 1918
10 PERCENT EXCEEDS	1280		1460		1540	
50 PERCENT EXCEEDS	448		547		470	
90 PERCENT EXCEEDS	183		160		171	

e Estimated

04252500 BLACK RIVER NEAR BOONVILLE, NY--Continued



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.

04256000 INDEPENDENCE RIVER AT DONNATTSBURG, NY

LOCATION.--Lat 43°44'50", long 75°20'05", Lewis County, Hydrologic Unit 04150101, on right bank at downstream side of highway bridge on Donnattsburg Road at Donnattsburg, 1.2 mi downstream from Chase Lake Outlet, 4.2 mi northeast of Glenfield, and 5.0 mi upstream from mouth.
DRAINAGE AREA.--88.7 mi^2.
PERIOD OF RECORD.--July 1942 to current year.
REVISED RECORDS.--WDR NY-87-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 972.84 ft above NGVD of 1929. Prior to Sept. 16, 1949, nonrecording gage at same site and datum.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite and telephone gage-height and rain-gage telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,420 ft^3/s, Dec. 30, 1984, gage height, 13.34 ft, from rating curve extended above 2,100 ft^3/s on basis of slope-area measurement of peak flow; minimum observed discharge, 18 ft^3/s, Sept. 17, 1948, Aug. 4, 5, 1949, Sept. 8, 9, 10, 11, 2002; minimum gage height, 2.85 ft, Sept. 17, 1948, Aug. 4, 5, 1949.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 10	1845	1,480	6.57	May 14	1715	1,460	6.54
Apr. 14	1645	*1,970	*7.14				

Minimum discharge, 18 ft^3/s, Sept. 8, 9, 10, 11, gage height, 3.30 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	336	438	e94	e200	235	677	303	707	82	34	24
2	100	418	421	e100	405	192	604	282	471	72	33	23
3	87	593	282	e110	492	260	573	362	295	65	32	22
4	78	594	216	e100	351	462	718	329	213	59	32	21
5	71	396	197	e98	231	390	491	258	185	55	31	21
6	76	327	182	e110	192	279	354	201	196	53	29	20
7	149	272	165	e100	178	218	279	175	176	51	28	20
8	230	240	146	e90	e140	193	244	188	144	48	27	19
9	194	228	136	e96	e130	341	319	172	128	46	26	18
10	152	211	129	e100	e130	1200	837	180	112	48	25	18
11	127	197	120	109	e170	983	716	157	98	43	23	22
12	110	178	112	119	279	552	579	142	173	39	22	24
13	99	156	116	117	232	356	688	257	293	38	22	24
14	92	145	135	e110	196	307	1580	1180	194	36	22	22
15	97	145	208	106	167	333	1140	1100	173	35	22	31
16	109	141	229	101	141	626	698	636	287	36	27	43
17	156	137	189	100	130	679	465	587	304	34	46	53
18	240	127	201	e96	e120	468	339	594	240	34	56	46
19	212	120	180	e90	e110	345	267	430	170	35	45	38
20	172	130	165	e100	114	286	220	323	129	36	36	31
21	149	151	e150	95	169	e240	188	262	104	39	31	31
22	279	139	e140	90	288	e190	173	223	102	37	30	34
23	291	130	e140	92	278	e180	176	188	150	61	37	178
24	213	120	137	114	226	e170	182	169	140	83	40	199
25	186	134	127	175	175	167	175	192	112	67	41	108
26	211	257	117	226	184	164	215	187	93	52	35	71
27	247	245	e110	196	288	324	201	182	99	49	32	80
28	246	191	e100	165	294	380	186	151	139	47	27	467
29	206	183	e110	152	---	323	286	187	127	44	26	372
30	193	259	e110	146	---	478	333	354	97	39	25	178
31	189	---	e100	e170	---	742	---	548	---	37	24	---
TOTAL	5078	6900	5308	3667	6010	12063	13903	10499	5851	1500	966	2258
MEAN	164	230	171	118	215	389	463	339	195	48.4	31.2	75.3
MAX	291	594	438	226	492	1200	1580	1180	707	83	56	467
MIN	71	120	100	90	110	164	173	142	93	34	22	18
CFSM	1.85	2.59	1.93	1.33	2.42	4.39	5.22	3.82	2.20	0.55	0.35	0.85
IN.	2.13	2.89	2.23	1.54	2.52	5.06	5.83	4.40	2.45	0.63	0.41	0.95

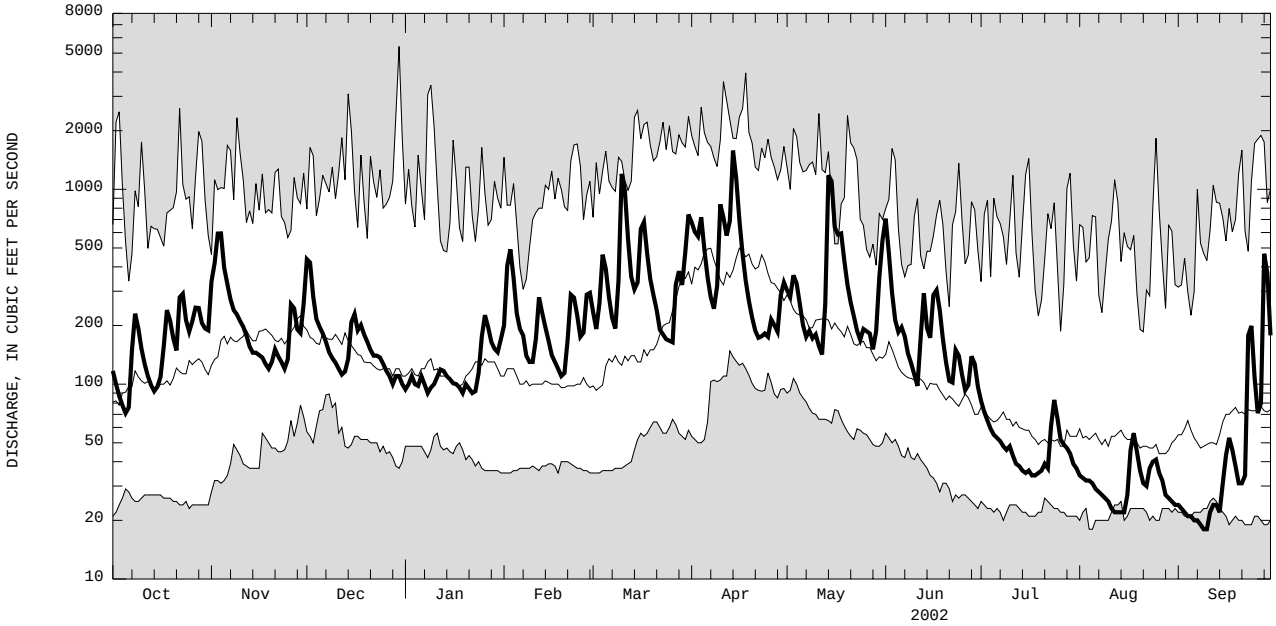
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2002, BY WATER YEAR (WY)

MEAN	159	225	205	168	152	279	516	258	131	87.8	78.0	107
MAX	509	427	524	489	392	707	1014	712	325	257	268	309
(WY)	1946	1989	1985	1998	1981	1945	1993	1971	1972	1947	1998	1981
MIN	26.4	74.8	59.3	45.1	44.1	95.5	147	77.3	40.1	26.3	25.4	23.1
(WY)	1964	1967	1961	1961	1963	1970	1995	1987	1949	1966	1944	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1942 - 2002	
ANNUAL TOTAL	70138		74003			
ANNUAL MEAN	192		203		197	
HIGHEST ANNUAL MEAN					292	1947
LOWEST ANNUAL MEAN					132	1961
HIGHEST DAILY MEAN	2270	Apr 13	1580	Apr 14	5410	Dec 30 1984
LOWEST DAILY MEAN	27	Aug 9	18	Sep 9	18	Aug 4 1949
ANNUAL SEVEN-DAY MINIMUM	31	Sep 14	20	Sep 4	20	Sep 4 2002
ANNUAL RUNOFF (CFSM)	2.17		2.29		2.22	
ANNUAL RUNOFF (INCHES)	29.42		31.04		30.18	
10 PERCENT EXCEEDS	360		425		419	
50 PERCENT EXCEEDS	119		152		120	
90 PERCENT EXCEEDS	41		32		42	

e Estimated

04256000 INDEPENDENCE RIVER AT DONNATTSBURG, NY--Continued



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.

04256500 STILLWATER RESERVOIR NEAR BEAVER RIVER, NY

LOCATION.--Lat 43°53'50", long 75°03'05", Herkimer County, Hydrologic Unit 04150101, in gatehouse at Stillwater Dam on Beaver River, 2.5 mi upstream from Moshier Creek, and 7.5 mi west of Beaver River Post Office.
DRAINAGE AREA.--171 mi^2.
PERIOD OF RECORD.--May 1908 to current year. Prior to February 1925, month-end contents only, published in WSP 1307. February 1925 to September 1937, published in WSP 824. Prior to October 1999, daily observations at 0800 hours.
REVISED RECORDS.--WDR NY-85-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929, adjustment of 1912.
REMARKS.--Reservoir originally formed about 1885; enlarged at various times and in 1924 enlarged to a usable capacity of 4,623 mil ft^3 between elevations 1,650.3 ft and 1,679.3 ft (top of 24-inch flashboards in place throughout year). Elevation of gate sill of lowest outlet, 1,642.3 ft. Capacity below elevation 1,650.3 ft, 90 mil ft^3, is included in records presented herein, but is not ordinarily available for release. Reservoir is used to regulate flow of Beaver and Black Rivers for flood control, power development and general public welfare. Satellite and telephone gage-height and rain-gage telemeter at station.
COOPERATION.--Supplemental records provided by Board of Hudson River-Black River Regulating District.
EXTREMES FOR PERIOD OF RECORD.--Maximum observed elevation, 1,680.08 ft, May 20, 1969, contents, 4,939 mil ft^3; minimum observed since first filling, 1,644.80 ft, Mar. 25-27, 1949, contents, 8 mil ft^3.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,678.69 ft, May 18, 19, 20, contents, 4,537 mil ft^3; minimum, 1,654.91 ft, Oct. 1, contents, 336 mil ft^3.

Capacity table (elevation, in feet, and contents, in millions of cubic feet)

1,658.0	604	1,670.0	2,431
1,660.0	821	1,675.0	3,556
1,665.0	1,518	1,680.0	4,916

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1654.92	1658.87	1663.57	1664.04	1662.36	1664.42	1669.26	1677.66	1677.91	1677.42	1674.01	1669.24
2	1654.95	1659.18	1663.79	1663.98	1662.59	1664.36	1669.67	1677.62	1677.89	1677.28	1673.91	1669.05
3	1654.97	1659.62	1663.95	1663.90	1662.93	1664.29	1670.08	1677.61	1677.83	1677.16	1673.83	1668.83
4	1654.97	1660.08	1664.05	1663.81	1663.22	1664.25	1670.59	1677.62	1677.83	1677.08	1673.71	1668.59
5	1654.99	1660.43	1664.12	1663.71	1663.40	1664.25	1670.99	1677.57	1677.86	1677.01	1673.59	1668.37
6	1655.01	1660.72	1664.18	1663.61	1663.53	1664.23	1671.28	1677.48	1677.90	1676.92	1673.47	1668.13
7	1655.08	1660.94	1664.23	1663.50	1663.62	1664.20	1671.50	1677.40	1677.90	1676.82	1673.33	1667.90
8	1655.19	1661.15	1664.27	1663.38	1663.68	1664.15	1671.69	1677.38	1677.88	1676.72	1673.15	1667.67
9	1655.31	1661.33	1664.29	1663.26	1663.72	1664.10	1671.94	1677.33	1677.85	1676.63	1672.96	1667.43
10	1655.39	1661.53	1664.31	1663.14	1663.75	1664.42	1672.51	1677.21	1677.83	1676.52	1672.78	1667.19
11	1655.46	1661.69	1664.30	1663.04	1663.82	1665.15	1673.04	1677.26	1677.77	1676.29	1672.59	1667.00
12	1655.51	1661.83	1664.30	1662.95	1663.93	1665.66	1673.44	1677.30	1677.86	1676.07	1672.41	1666.79
13	1655.56	1661.96	1664.29	1662.85	1664.04	1666.01	1674.06	1677.45	1677.88	1675.94	1672.23	1666.53
14	1655.60	1662.08	1664.29	1662.75	1664.13	1666.29	1675.22	1677.89	1677.87	1675.83	1672.05	1666.30
15	1655.64	1662.19	1664.35	1662.64	1664.19	1666.55	1676.32	1678.29	1677.88	1675.72	1671.86	1666.12
16	1655.70	1662.30	1664.41	1662.54	1664.23	1666.91	1677.19	1678.44	1677.92	1675.63	1671.72	1665.96
17	1655.75	1662.41	1664.44	1662.45	1664.26	1667.38	1677.62	1678.57	1677.98	1675.51	1671.61	1665.74
18	1655.87	1662.51	1664.48	1662.40	1664.28	1667.74	1677.92	1678.66	1678.00	1675.41	1671.41	1665.51
19	1656.09	1662.59	1664.50	1662.35	1664.29	1668.04	1678.03	1678.68	1678.01	1675.29	1671.21	1665.27
20	1656.26	1662.68	1664.52	1662.31	1664.29	1668.29	1678.07	1678.65	1677.99	1675.17	1671.01	1665.01
21	1656.39	1662.80	1664.57	1662.28	1664.30	1668.53	1678.08	1678.61	1677.95	1675.04	1670.81	1664.76
22	1656.71	1662.90	1664.59	1662.24	1664.36	1668.62	1678.08	1678.54	1677.94	1674.92	1670.61	1664.54
23	1657.13	1662.99	1664.60	1662.20	1664.43	1668.61	1678.04	1678.45	1677.92	1674.92	1670.46	1664.52
24	1657.34	1663.07	1664.60	1662.17	1664.50	1668.59	1677.99	1678.38	1677.90	1674.87	1670.29	1664.49
25	1657.50	1663.16	1664.57	1662.17	1664.54	1668.56	1677.94	1678.30	1677.79	1674.76	1670.10	1664.39
26	1657.68	1663.27	1664.51	1662.18	1664.53	1668.54	1677.88	1678.22	1677.68	1674.65	1669.93	1664.28
27	1657.93	1663.34	1664.43	1662.21	1664.50	1668.54	1677.82	1678.15	1677.64	1674.55	1669.83	1664.36
28	1658.14	1663.36	1664.35	1662.24	1664.47	1668.61	1677.76	1678.05	1677.63	1674.44	1669.70	1664.57
29	1658.30	1663.37	1664.26	1662.27	---	1668.63	1677.72	1677.96	1677.58	1674.33	1669.59	1664.68
30	1658.45	1663.42	1664.16	1662.29	---	1668.69	1677.69	1677.90	1677.51	1674.22	1669.47	1664.66
31	1658.61	---	1664.10	1662.31	---	1668.89	---	1677.88	---	1674.12	1669.36	---
MEAN	1656.21	1661.93	1664.30	1662.81	1663.92	1666.63	1674.98	1677.95	1677.85	1675.72	1671.71	1666.26
MAX	1658.61	1663.42	1664.60	1664.04	1664.54	1668.89	1678.08	1678.68	1678.01	1677.42	1674.01	1669.24
MIN	1654.92	1658.87	1663.57	1662.17	1662.36	1664.10	1669.26	1677.21	1677.51	1674.12	1669.36	1664.28
‡	677	1283	1372	1118	1431	2242	4255	4326	4200	3330	2290	1460
‡‡	+127	+234	+33.2	-94.8	+129	+303	+777	+26.5	-48.6	-325	-388	-320

CAL YR 2001 MEAN 1662.55 MAX 1675.16 MIN 1651.32 ‡‡ -32.3
WTR YR 2002 MEAN 1668.37 MAX 1678.68 MIN 1654.92 ‡‡ +35.6

‡ Contents, in millions of cubic feet, at 2400 hours on last day of month.
‡‡ Change in contents, equivalent in cubic feet per second.

NOTE: Mean elevations for Apr. 15 to May 2, Sept. 27-30, computed based on midnight readings.

04258000 BEAVER RIVER AT CROGHAN, NY

LOCATION.--Lat 43°53'50", long 75°24'16", Lewis County, Hydrologic Unit 04150101, on left bank 1,200 ft upstream from Black Creek, and 0.5 mi west of Croghan.
DRAINAGE AREA.--291 mi^2.
PERIOD OF RECORD.--September 1930 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 806.20 ft above NGVD of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Stillwater Reservoir (see station 04256500). Between Stillwater Dam and this station, flow is further regulated by several powerplant ponds. Diurnal fluctuation at low and medium flow. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,100 ft^3/s, May 21, 1969, gage height, 6.98 ft; minimum, 11 ft^3/s, Jan. 22, 29, Feb. 4, 1967, gage height, 0.63 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,470 ft^3/s, Apr. 14, gage height, 5.06 ft; minimum, 100 ft^3/s, Oct. 2, gage height, 1.44 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	442	607	654	622	961	1180	1180	1030	490	448	277
2	142	617	571	653	846	809	1110	1260	1050	690	437	345
3	165	788	663	663	1030	1010	857	1240	1020	580	427	413
4	154	744	574	663	604	1090	880	1320	761	576	413	505
5	148	311	571	466	735	1080	829	1170	728	523	424	738
6	156	456	539	393	664	1050	680	1080	553	374	405	603
7	189	394	493	593	633	1020	493	1060	621	345	393	583
8	212	393	330	560	598	922	457	989	520	331	599	532
9	220	316	327	632	496	1070	387	774	433	340	530	553
10	207	337	448	445	327	1560	1130	770	439	360	562	537
11	187	208	406	615	e360	1770	1320	561	487	791	549	560
12	173	372	359	660	422	1080	1130	635	452	759	551	553
13	172	189	458	679	550	668	1100	1000	497	384	620	588
14	168	206	408	620	686	415	2080	1850	529	406	575	564
15	170	224	417	e540	497	380	2060	2070	574	370	520	586
16	165	226	428	e470	528	828	1370	1520	598	462	530	588
17	226	217	528	e430	484	1000	1220	1320	590	405	593	586
18	374	210	553	389	436	946	1160	1510	497	503	547	513
19	347	203	540	445	472	473	1090	1420	573	531	606	690
20	287	215	487	426	441	524	1140	1220	549	398	626	766
21	191	224	598	398	564	395	1030	1200	486	456	627	465
22	371	228	536	417	576	622	1010	1130	421	440	641	461
23	383	220	527	410	588	761	1020	1030	541	406	642	575
24	353	209	492	565	576	814	995	993	536	549	613	674
25	296	228	582	459	622	859	995	1010	587	472	564	420
26	373	613	468	728	763	899	1070	1010	684	440	555	399
27	569	904	356	564	788	1050	1050	996	577	450	492	637
28	498	781	585	614	1040	1020	1080	968	487	494	427	757
29	256	698	499	585	---	1070	1230	962	453	472	369	753
30	349	603	545	548	---	1120	1240	935	411	441	384	654
31	324	---	625	476	---	1150	---	955	---	432	279	---
TOTAL	7989	11776	15520	16760	16948	28416	32393	35138	17684	14670	15948	16875
MEAN	258	393	501	541	605	917	1080	1133	589	473	514	562
MAX	569	904	663	728	1040	1770	2080	2070	1050	791	642	766
MIN	142	189	327	389	327	380	387	561	411	331	279	277

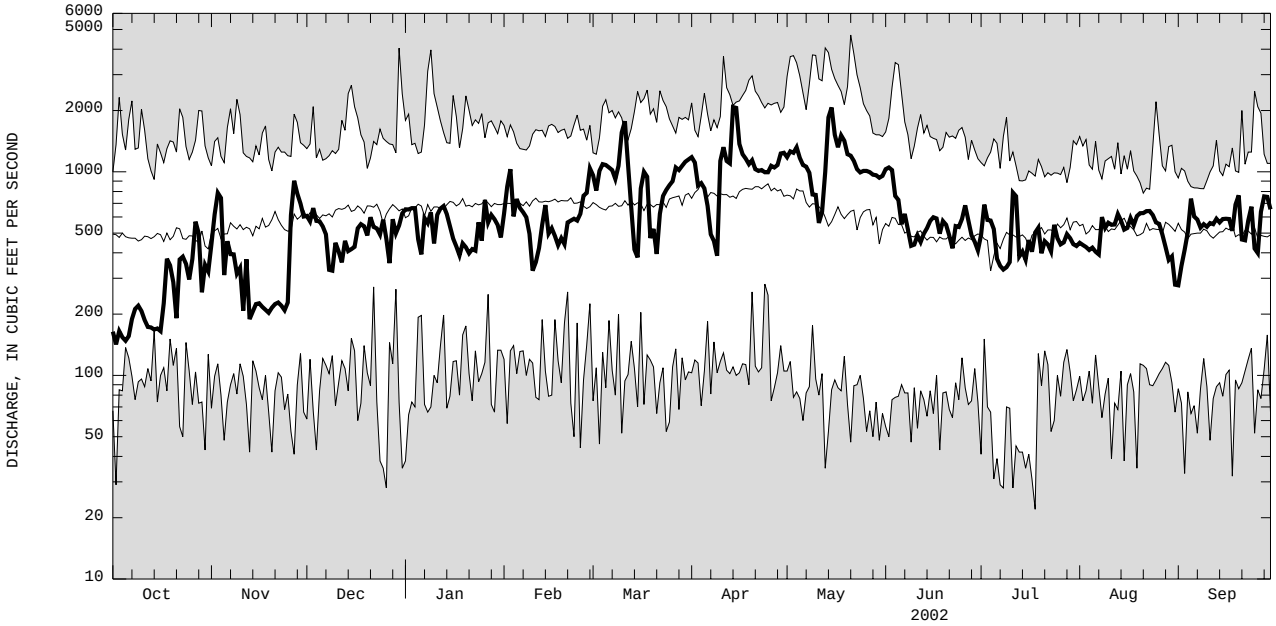
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2002, BY WATER YEAR (WY)

MEAN	514	574	642	681	707	709	826	732	525	497	522	510
MAX	944	1144	1190	1486	1519	1490	1561	1977	1184	863	913	824
(WY)	1946	1989	1978	1978	1973	1976	2000	1943	1947	1972	1986	1986
MIN	258	160	175	315	292	321	298	199	244	174	293	313
(WY)	2002	1940	1940	1961	1956	1967	1995	1941	1941	1965	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1930 - 2002	
ANNUAL TOTAL	225853		230117			
ANNUAL MEAN	619		630		619	
HIGHEST ANNUAL MEAN					916	1976
LOWEST ANNUAL MEAN					361	1931
HIGHEST DAILY MEAN	2490	Sep 25	2080	Apr 14	4700	May 21 1969
LOWEST DAILY MEAN	73	Aug 12	142	Oct 2	22	Jul 18 1965
ANNUAL SEVEN-DAY MINIMUM	100	Aug 11	160	Oct 1	37	Jul 12 1965
10 PERCENT EXCEEDS	964		1080		981	
50 PERCENT EXCEEDS	585		555		580	
90 PERCENT EXCEEDS	159		292		285	

e Estimated

04258000 BEAVER RIVER AT CROGHAN, NY--Continued



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.

04260500 BLACK RIVER AT WATERTOWN, NY

LOCATION.--Lat 43°59'08", long 75°55'30", Jefferson County, Hydrologic Unit 04150101, on right bank 200 ft downstream from Vanduzee Street Bridge at Watertown, and 3.5 mi upstream from Philomel Creek.
DRAINAGE AREA.--1,864 mi^2.
PERIOD OF RECORD.--July 1920 to current year.
REVISED RECORDS.--WDR NY-77-1: 1974. WDR NY-85-1: Drainage area. WDR NY-93-1: 1955, 1958-60, 1962-64, 1969, 1971-72, 1974, 1976-77, 1979-82, 1984-87, 1989-92.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 373.88 ft above NGVD of 1929. Prior to Sept. 3, 1921, nonrecording gage, and from Sept. 3, 1921 to Mar. 15, 1977, recording gage at same site at datum 1.00 ft higher. Prior to June 13, 1992, at site 200 ft upstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Stillwater Reservoir (see station 04256500), Fulton Chain of Lakes, and other reservoirs. Extensive diurnal fluctuation at low and medium flow caused by mills and powerplants in and above Watertown. During canal season, water is diverted out of basin through Forestport feeder and Black River Canal (flowing south). Several measurements of water temperature were made during the year. Satellite and telephone gage-height and rain-gage telemeter and Hudson River-Black River Regulating District telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,500 ft^3/s, Jan. 10, 1998, gage height, 16.02 ft; minimum, 10 ft^3/s, Sept. 2, 1934, gage height, 0.81 ft, present datum.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 39,700 ft^3/s, Apr. 23, 1869 (from New York State Museum Bulletin 85).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 16	1600	*27,500	*10.69	No other peak greater than base discharge.			

Minimum discharge, 330 ft^3/s, July 7, gage height, 1.54 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2650	3570	5950	2400	3840	6970	10600	7960	9300	3000	1320	945
2	2030	4340	6650	2870	5240	5980	11400	8020	9790	2650	1280	883
3	1540	5080	6990	2970	6410	6050	12300	8560	10100	2340	1240	944
4	1440	5750	6910	2770	6610	8540	12700	8430	9360	2100	1180	988
5	1540	5860	6130	2970	e6000	8670	12000	8050	7890	1980	1080	1270
6	1350	5490	5270	2570	e5600	8320	10900	7120	6430	1790	1090	1510
7	1600	5040	4390	2670	5540	7540	9570	6010	5420	1330	1080	1240
8	2710	4150	3890	2620	5140	6640	8140	5410	4770	1470	1090	1190
9	2780	4000	3390	2840	4550	7040	7520	5210	3950	1420	1260	1130
10	2600	3680	3260	2820	3940	11300	9280	4760	3250	1360	1180	1110
11	2170	3500	3200	3420	4150	12100	10200	4690	2990	1620	1190	1080
12	1920	3180	2980	3820	4730	13500	12000	4090	2970	1900	1190	1090
13	1670	3170	2870	3960	5380	13100	13800	5070	3780	1380	1240	1090
14	1850	2940	3260	3690	5500	11200	18400	12300	4790	1330	1220	1130
15	2110	2500	3670	3380	5330	9740	22400	13700	4700	1280	1190	1180
16	2170	2420	4970	3330	4920	9590	26200	14700	4980	1210	1200	1190
17	2440	2720	5110	3020	4530	9620	24200	15300	5410	1290	1230	1300
18	4110	2590	5020	3020	3840	9690	19500	14100	5570	1260	1200	1460
19	4420	2530	4970	2540	3540	9190	15700	12800	5400	1320	1250	1390
20	3590	2440	4640	2740	3470	8470	13100	11600	4760	1350	1270	1690
21	3090	2610	4610	2790	4310	7720	11000	10500	3570	1290	1290	1260
22	3270	2830	4240	2650	5900	6740	9230	9270	3240	1340	1280	1220
23	4250	2630	3720	2710	6240	5980	7500	7840	3350	1450	1270	1360
24	4220	2560	3500	3090	6250	5380	6480	6350	3050	1370	1360	2260
25	3720	2460	3670	4030	5970	5220	6000	5390	3110	1590	1410	2230
26	4410	3570	3340	4540	5800	5050	5800	5080	2940	1520	1640	1790
27	5430	5110	2820	4780	7270	5690	6160	5010	2880	1430	1410	1830
28	5360	4970	2350	4720	7550	7000	6190	4820	3340	1440	1350	2660
29	4550	4640	2400	4700	---	7660	7270	4320	4320	1430	1160	4760
30	3800	5240	2420	4450	---	8970	7930	4990	3830	1390	1030	4460
31	3560	---	2230	3850	---	10100	---	6860	---	1350	1060	---
TOTAL	92350	111570	128820	102730	147550	258760	353470	248310	149240	48980	38240	47640
MEAN	2979	3719	4155	3314	5270	8347	11780	8010	4975	1580	1234	1588
MAX	5430	5860	6990	4780	7550	13500	26200	15300	10100	3000	1640	4760
MIN	1350	2420	2230	2400	3470	5050	5800	4090	2880	1210	1030	883

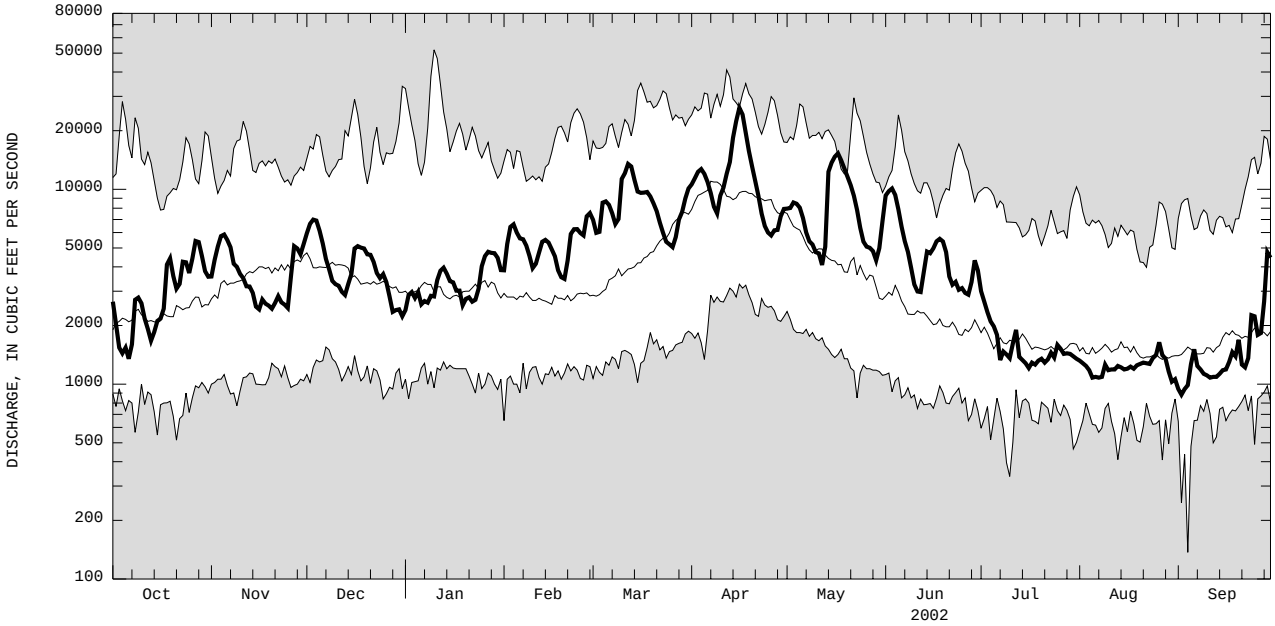
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2002, BY WATER YEAR (WY)

MEAN	3111	4335	4435	4113	3677	6102	10020	5429	2774	2034	1766	2156
MAX	9058	8440	9944	12040	9181	13590	19180	12790	8235	5266	4083	5011
(WY)	1946	1989	1997	1998	1981	1921	1993	1943	1947	1972	1986	1975
MIN	1149	1116	1403	1173	1289	1776	3460	1600	991	925	730	919
(WY)	1964	1931	1923	1961	1931	1940	1995	1941	1941	1965	1923	1923

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1920 - 2002	
ANNUAL TOTAL	1518097		1727660			
ANNUAL MEAN	4159		4733		4161	
HIGHEST ANNUAL MEAN					6392	1976
LOWEST ANNUAL MEAN					2579	1931
HIGHEST DAILY MEAN	28200	Apr 14	26200	Apr 16	52000	Jan 10 1998
LOWEST DAILY MEAN	712	Aug 16	883	Sep 2	137	Sep 4 1939
ANNUAL SEVEN-DAY MINIMUM	765	Sep 15	1000	Aug 29	637	Aug 15 1923
10 PERCENT EXCEEDS	6940		9600		8860	
50 PERCENT EXCEEDS	3120		3800		2840	
90 PERCENT EXCEEDS	1330		1260		1270	

e Estimated

04260500 BLACK RIVER AT WATERTOWN, NY--Continued



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.

LAKES AND RESERVOIRS IN STREAMS TRIBUTARY TO LAKE ONTARIO

04253300 SIXTH LAKE.--Lat 43°44′43″, long 74°46′58″, Hamilton County, Hydrologic Unit 04150101, on dam at outlet of Sixth Lake at Inlet, and 11.2 mi upstream from dam at Old Forge. **DRAINAGE AREA**, 18.6 mi^2. **PERIOD OF RECORD**, November 1911 to current year. **GAGE**, nonrecording gage read daily at 0800. Datum of gage is NGVD of 1929 (levels by Hudson River-Black River Regulating District).

The Sixth and Seventh Lakes of Fulton Chain Lakes are partially formed and controlled by the concrete dam at Inlet, while the Eighth Lake is upstream and at approximately 5 ft higher elevation. Storage began around 1881. The present structure is a concrete dam with control gates which were installed in 1938. Usable capacity 296.6 mil ft^3 between minimum operating level, elevation 1,775.1 ft and crest of spillway, elevation 1,786.0 ft; no dead storage below minimum operating level. Figures given herein represent total contents. The dam is operated, records collected, provided, and stored by Board of Hudson River-Black River Regulating District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 332 mil ft^3, Oct. 3, 1945, elevation, 1,787.1 ft; minimum observed, less than 0.90 mil ft^3, Nov. 18, 1943, water level below elevation 1,775.6 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 293.4 mil ft^3, May 14, elevation, 1,785.90 ft; minimum observed, 132.2 mil ft^3, Jan. 8-10, elevation, 1,780.70 ft.

04253400 FIRST LAKE (formerly published as "Old Forge Reservoir").--Lat 43°42′44″, long 74°58′12″, Herkimer County, Hydrologic Unit 04150101, at dam on Middle Branch Moose River, 100 ft downstream from bridge on State Highway 28 at Old Forge, and 11.2 mi downstream from dam on Sixth Lake outlet at Inlet. **DRAINAGE AREA**, 53.6 mi^2. **PERIOD OF RECORD**, November 1911 to current year. **REVISED RECORDS**, WDR NY-85-1: Drainage area. **GAGE**, nonrecording gage read daily at 0800. Datum of gage is NGVD of 1929 (levels by Hudson River-Black River Regulating District).

The First through Fifth Lakes of Fulton Chain Lakes are partially formed and controlled by a concrete dam with 12-inch flashboards. Storage began around 1881 or 1882 with a wooden crib dam. This dam was replaced with a concrete dam in 1905 and gates were installed in 1927. Usable capacity with flashboards, 895.6 mil ft^3, elevation, 1,707.0 ft. Usable capacity without flashboards, 764.3 mil ft^3, elevation, 1,706.1 ft; no dead storage below minimum operating level. Figures given herein represent total contents. The dam is operated, records collected, provided, and stored by Board of Hudson River-Black River Regulating District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 1,019 mil ft^3, June 17, 1972, elevation, 1,707.9 ft; minimum observed, 6.50 mil ft^3, Nov. 3, 1939, elevation, 1,699.8 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 895.8 mil ft^3, June 13-14, Sept. 23, elevation, 1,707.04 ft; minimum observed, 363.6 mil ft^3, Dec. 17, elevation, 1,702.92 ft.

04256500 STILLWATER RESERVOIR NEAR BEAVER RIVER (see station for daily elevation, skeleton capacity table, monthly contents, and change in contents).

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet) †	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)	Elevation (feet) †	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)
	04253300 Sixth Lake			**04253400 First Lake**		
Sept. 30	1,785.49	280.3		1,706.81	864.6	
Oct. 31	1,784.61	252.3	-10.5	1,706.03	760.6	-38.8
Nov. 30	1,781.65	160.7	-35.3	1,704.07	506.8	-97.9
Dec. 31	1,780.74	133.4	-10.2	1,703.83	476.8	-11.2
CAL YR 2001	--	--	- 1.61	--	--	- 1.75
Jan. 31	1,781.59	158.9	+ 9.52	1,704.00	498.2	+ 8.00
Feb. 28	1,781.29	149.9	- 3.71	1,704.06	505.5	+ 3.02
Mar. 31	1,781.54	157.4	+ 2.80	1,704.74	592.9	+32.6
Apr. 30	1,785.57	282.8	+48.4	1,706.63	840.4	+95.5
May 31	1,785.60	283.8	+ 0.37	1,706.82	866.0	+ 9.55
June 30	1,785.47	279.6	- 1.62	1,706.88	874.1	+ 3.12
July 31	1,785.41	277.7	- 0.71	1,706.85	870.2	- 1.45
Aug. 31	1,785.34	275.5	- 0.82	1,706.87	872.8	+ 0.97
Sept. 30	1,783.59	220.5	-21.2	1,707.00	890.2	+ 6.70
WTR YR 2002	--	--	- 1.90	--	--	+ 0.81

† Elevation at 2400 hours, by interpolation.

04262000 OSWEGATCHIE RIVER NEAR OSWEGATCHIE, NY

LOCATION.--Lat 44°13'21", long 75°04'29", St. Lawrence County, Hydrologic Unit 04150302, on left bank, 300 ft downstream from Reliant Energy (Orion Power New York) Flat Rock powerplant, and 2.8 mi north of Oswegatchie.
DRAINAGE AREA.--259 mi^2.
PERIOD OF RECORD.--October 1924 to September 1968, July 1987 to current year. Water year 1985 (annual maximum only). Prior to October 1958, published as East Branch Oswegatchie River near Oswegatchie.
REVISED RECORDS.--WDR NY-88-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,016.52 ft above NGVD of 1929.
REMARKS.--No estimated daily discharges. Records good. Extensive diurnal fluctuation at low and medium flow caused by powerplant. Since 1867, flow regulated by Cranberry Lake. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,090 ft^3/s, Apr. 12, 1947; maximum gage height, 7.3 ft, Apr. 26, 1926; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,780 ft^3/s, Apr. 14, gage height, 5.88 ft; minimum, 52 ft^3/s, Sept. 21, 22, gage height, 1.43 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

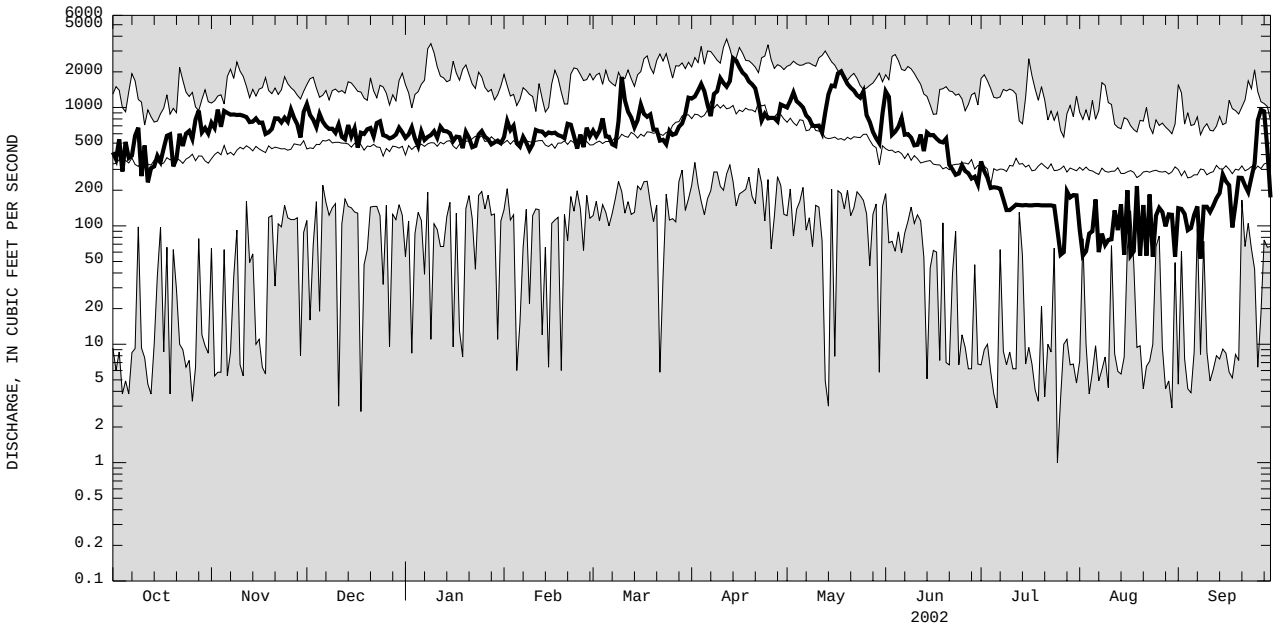
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	418	743	1070	554	563	638	1190	1000	1370	350	93	141
2	365	672	864	591	769	570	1240	1140	1230	290	56	139
3	538	960	789	681	644	635	1390	1340	588	255	61	126
4	288	687	682	546	701	809	1580	1130	625	209	86	92
5	512	935	883	472	498	569	1370	1070	687	212	90	96
6	375	900	760	628	467	566	1050	1000	814	210	167	124
7	393	870	696	532	564	489	846	858	589	206	60	146
8	579	873	659	564	504	474	1300	803	595	168	86	53
9	675	864	662	585	437	766	1370	700	556	136	69	145
10	263	867	611	630	488	1810	1770	697	479	136	76	145
11	477	851	719	555	646	1150	1610	703	484	143	77	131
12	233	830	565	688	630	922	1500	613	591	151	135	148
13	307	753	539	634	626	822	1670	909	428	150	92	171
14	318	759	711	629	584	680	2610	1290	615	149	152	189
15	391	808	570	605	615	781	2490	1530	583	150	57	272
16	348	743	666	520	605	1060	2190	1510	585	149	200	238
17	453	745	458	567	613	884	1970	1940	546	149	56	220
18	577	598	612	561	584	835	1860	2020	516	150	61	97
19	593	618	598	454	572	873	1660	1780	507	150	217	152
20	318	659	655	622	551	649	1570	1580	546	149	56	255
21	370	810	671	553	728	649	1450	1470	328	149	150	254
22	600	808	569	462	715	525	1110	1390	300	149	56	219
23	473	748	740	474	573	533	777	1270	270	149	184	193
24	601	820	764	590	450	489	885	1210	277	147	55	257
25	633	757	584	632	591	636	809	1370	325	92	122	336
26	542	962	572	566	463	587	818	860	291	57	142	779
27	791	814	548	538	675	601	815	756	278	60	131	957
28	942	720	562	488	571	688	764	622	251	196	99	927
29	616	558	590	507	---	733	1060	550	260	174	125	451
30	670	917	675	525	---	882	1030	499	224	182	124	174
31	602	---	617	500	---	1210	---	888	---	181	55	---
TOTAL	15261	23649	20661	17453	16427	23515	41754	34498	15738	5198	3190	7627
MEAN	492	788	666	563	587	759	1392	1113	525	168	103	254
MAX	942	962	1070	688	769	1810	2610	2020	1370	350	217	957
MIN	233	558	458	454	437	474	764	499	224	57	55	53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2002, BY WATER YEAR (WY)

MEAN	398	510	523	565	536	697	1029	697	419	333	303	327
MAX	685	1048	1097	1306	970	1161	1787	1659	1218	930	632	719
(WY)	1946	1989	1928	1998	1947	1990	1947	1943	1947	1996	1989	1957
MIN	189	177	239	230	225	288	302	219	170	131	103	152
(WY)	1942	1940	1935	1931	1931	1931	1995	1941	1988	1991	2002	1990

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1925 - 2002	
ANNUAL TOTAL	204379		224971			
ANNUAL MEAN	560		616		528	
HIGHEST ANNUAL MEAN					884	1947
LOWEST ANNUAL MEAN					311	1931
HIGHEST DAILY MEAN	2580	Apr 13	2610	Apr 14	3790	Apr 12 1947
LOWEST DAILY MEAN	159	Aug 8	53	Sep 8	1.0	Jul 25 1926
ANNUAL SEVEN-DAY MINIMUM	159	Aug 8	85	Aug 7	71	Jul 24 1991
10 PERCENT EXCEEDS	868		1170		979	
50 PERCENT EXCEEDS	501		584		428	
90 PERCENT EXCEEDS	210		138		200	

04262000 OSWEGATCHIE RIVER NEAR OSWEGATCHIE, NY--Continued



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.

04262500 WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, NY

LOCATION.--Lat 44°11'08", long 75°19'52", St. Lawrence County, Hydrologic Unit 04150302, on right bank just downstream from highway bridge, 0.5 mi northeast of Geers Corners, 1.5 mi downstream from Big Creek, and 4.0 mi downstream from Harrisville.
DRAINAGE AREA.--258 mi^2.
PERIOD OF RECORD.--July 1916 to current year.
REVISED RECORDS.--WSP 784: 1934. WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 738.51 ft above NGVD of 1929. Prior to Nov. 30, 1933, nonrecording gage at same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Since June 1985, extensive diurnal fluctuation and slight regulation caused by powerplant upstream from station. Several measurements of water temperature were made during the year. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,700 ft^3/s, Jan. 9, 1998, gage height, 10.64 ft; minimum discharge prior to regulation, 25 ft^3/s, Sept. 1, 1934, gage height, 0.86 ft; minimum discharge since regulation, 20 ft^3/s, Aug. 11, 1985, gage height, 0.83 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 15	0345	*4,660	*7.57	No other peak greater than base discharge.			

Minimum discharge, 38 ft^3/s, Sept. 10, gage height, 0.98 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	473	777	830	306	577	1020	1760	1060	885	159	108	49
2	338	934	872	e300	880	850	1860	1000	1040	148	98	48
3	260	1090	820	e300	1090	864	1870	1140	823	156	89	47
4	219	1250	700	e290	1100	1140	2110	1230	619	146	84	44
5	201	1240	625	e280	970	1400	2060	1100	549	130	82	43
6	214	1190	583	e270	823	1160	1620	882	589	116	79	42
7	297	1050	515	e270	709	916	1260	700	557	115	77	41
8	368	889	447	278	609	755	1000	592	464	114	76	41
9	357	784	398	278	512	892	913	513	393	108	73	39
10	321	731	364	298	455	1930	1280	465	339	102	69	40
11	281	675	339	364	567	2940	1930	430	298	96	65	46
12	248	612	317	425	686	2440	1880	403	308	92	62	52
13	235	539	319	441	695	1810	1760	495	413	88	59	53
14	241	482	355	404	606	1390	3160	1380	401	81	57	52
15	226	447	411	397	552	1190	4450	2970	389	79	70	73
16	222	420	433	376	520	1230	3410	3010	510	109	73	115
17	292	394	406	359	501	1560	2490	2300	558	115	69	121
18	663	364	420	344	443	1530	1810	1930	500	69	68	98
19	807	339	425	315	410	1320	1400	1600	417	75	63	82
20	710	354	417	325	399	1110	1110	1260	342	82	65	71
21	600	412	456	315	551	976	862	1000	279	79	62	64
22	622	408	446	305	892	836	712	800	238	76	60	62
23	694	378	400	304	976	703	618	663	231	83	63	106
24	632	350	467	368	878	622	571	574	231	115	65	184
25	556	335	462	539	780	614	556	561	234	142	65	162
26	646	416	423	636	755	564	571	534	211	121	63	125
27	920	543	372	637	995	639	565	490	202	113	59	124
28	1180	527	340	613	1100	755	545	451	197	113	55	460
29	1130	518	327	e560	---	872	764	393	185	111	53	694
30	930	643	310	e540	---	1020	1020	356	174	120	52	509
31	779	---	312	487	---	1470	---	445	---	116	51	---
TOTAL	15662	19091	14311	11924	20031	36518	45917	30727	12576	3369	2134	3687
MEAN	505	636	462	385	715	1178	1531	991	419	109	68.8	123
MAX	1180	1250	872	637	1100	2940	4450	3010	1040	159	108	694
MIN	201	335	310	270	399	564	545	356	174	69	51	39
CFSM	1.96	2.47	1.79	1.49	2.77	4.57	5.93	3.84	1.62	0.42	0.27	0.48
IN.	2.26	2.75	2.06	1.72	2.89	5.27	6.62	4.43	1.81	0.49	0.31	0.53

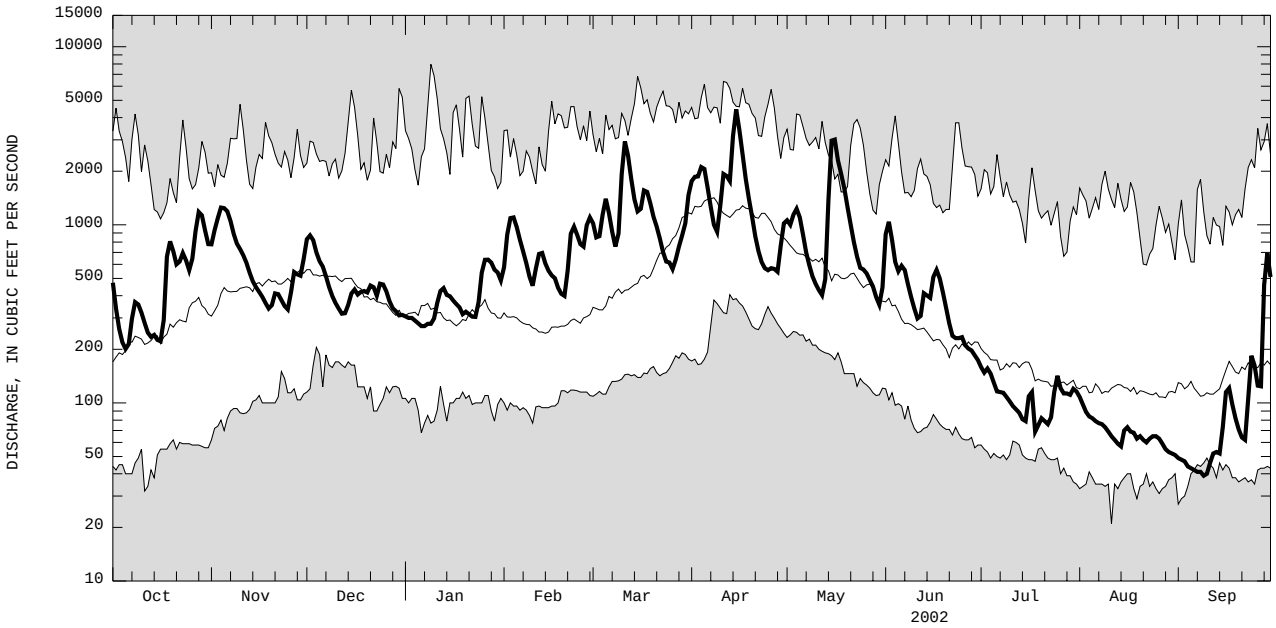
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2002, BY WATER YEAR (WY)

MEAN	385	574	576	506	438	842	1358	686	351	221	176	218
MAX	1047	1324	1474	1530	1488	1949	2676	1772	1135	805	763	670
(WY)	1946	1928	1984	1998	1954	1921	1993	1971	1947	1996	1986	1981
MIN	64.4	165	145	105	130	160	421	236	94.1	61.8	36.9	49.0
(WY)	1964	1931	1923	1918	1920	1941	1995	1941	1941	1949	1934	1939

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1916 - 2002	
ANNUAL TOTAL	193122		215947			
ANNUAL MEAN	529		592		528	
HIGHEST ANNUAL MEAN					833	1947
LOWEST ANNUAL MEAN					333	1941
HIGHEST DAILY MEAN	4880	Apr 14	4450	Apr 15	7970	Jan 9 1998
LOWEST DAILY MEAN	60	Aug 18	39	Sep 9	21	Aug 11 1985
ANNUAL SEVEN-DAY MINIMUM	73	Jul 28	41	Sep 4	34	Aug 28 1934
ANNUAL RUNOFF (CFSM)	2.05		2.29		2.04	
ANNUAL RUNOFF (INCHES)	27.85		31.14		27.78	
10 PERCENT EXCEEDS	1060		1230		1190	
50 PERCENT EXCEEDS	345		433		327	
90 PERCENT EXCEEDS	98		69		99	

e Estimated

04262500 WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, NY--Continued



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.

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY

LOCATION.--Lat 44°35'58", long 75°22'45", St. Lawrence County, Hydrologic Unit 04150302, on right bank 1.5 mi downstream from Beaver Creek, and 2.5 mi upstream from Heuvelton.
DRAINAGE AREA.--986 mi^2.
PERIOD OF RECORD.--June 1916 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 288.85 ft above NGVD of 1929. Prior to Sept. 16, 1916, nonrecording gage at same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Since 1867, seasonal flow regulated by Cranberry Lake; slight diurnal fluctuation at low flow and medium flow caused by powerplants. During high stages on Grass River, part of flow of that stream may pass through Upper Lake, Indian Creek and Lower Lake and enter Oswegatchie River at Rensselaer Falls, 4.5 mi upstream from station. In October 1973, a dike was installed on Indian Creek to prevent overflow of Grass River during high flows.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,600 ft^3/s, Apr. 6, 1960, gage height, 10.36 ft; minimum, 99 ft^3/s, Aug. 4, 1991, gage height, 0.49 ft; minimum gage height, 0.42 ft, Sept. 11, 2002, but may have been less during period of no gage-height record Sept. 7, 1960.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,580 ft^3/s, Apr. 17, gage height, 5.93 ft; minimum, 112 ft^3/s, Sept. 11, gage height, 0.42 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1570	1830	2210	e1300	e2010	3350	4370	3370	2580	985	336	203
2	1160	1760	2580	e1300	e1700	3140	4680	3480	3200	912	386	181
3	996	1960	2640	1270	e2100	2970	5180	4010	3360	776	342	165
4	873	2190	2300	1350	e2400	3770	5520	4200	2700	841	271	177
5	832	2450	2150	1370	e2800	4100	5600	4010	2070	716	230	176
6	700	2410	2090	1260	e2500	3330	5430	3530	2130	621	208	197
7	850	2550	1980	1190	e2300	3100	4770	3150	2170	584	172	185
8	837	2380	1800	1260	e1980	2700	3870	2610	2020	565	187	193
9	870	2180	1640	1170	e1800	2440	3440	2370	1680	526	285	169
10	1140	2090	1520	1260	e1700	2760	3480	2130	1540	482	272	180
11	1060	1970	1450	1520	e1600	4180	3760	1820	1360	408	185	130
12	763	1910	1310	2020	e1700	5100	4220	1760	1610	403	158	168
13	860	1790	1370	2130	e1800	4950	4350	1790	2160	384	198	190
14	605	1680	1270	2190	e1700	4330	4600	3120	2050	382	200	212
15	575	1590	1370	1830	e1800	3580	5630	4750	2150	339	147	240
16	664	1540	1460	e1750	e1900	3010	6900	5560	2980	347	149	267
17	716	1480	1420	e1630	e1900	2940	7510	6310	3120	317	221	366
18	729	1420	1440	e1510	e1800	3250	7110	6740	2970	311	249	452
19	1070	1360	1330	e1400	e1700	3220	5990	6580	2540	383	210	434
20	1570	1250	1480	e1300	e1600	3000	4870	5880	2110	374	192	287
21	1450	1290	1640	e1260	e2300	2870	3980	4970	1860	382	200	254
22	1190	1370	1740	e1420	3310	2590	3370	4130	1610	340	233	265
23	1230	1510	1680	e1310	3690	2390	2870	3510	1420	353	214	356
24	1370	1420	1600	e1290	3400	2010	2270	3020	1250	338	212	353
25	1400	1440	1870	e1720	2980	1810	2060	2610	1080	332	194	353
26	1470	1510	1890	e1900	2820	1790	2060	2570	937	389	202	472
27	1580	1580	1670	e2200	3160	1730	2010	2330	974	412	191	582
28	1870	1770	1400	e2540	3620	1800	2020	1940	1510	338	208	1130
29	2290	1750	1480	e3150	---	2090	2490	1710	1560	290	230	1520
30	2360	1860	1490	e2490	---	3090	3160	1490	1180	248	209	1590
31	1940	---	e1400	e2310	---	4050	---	1700	---	240	201	---
TOTAL	36590	53290	52670	51600	64070	95440	127570	107150	59881	14318	6892	11447
MEAN	1180	1776	1699	1665	2288	3079	4252	3456	1996	462	222	382
MAX	2360	2550	2640	3150	3690	5100	7510	6740	3360	985	386	1590
MIN	575	1250	1270	1170	1600	1730	2010	1490	937	240	147	130

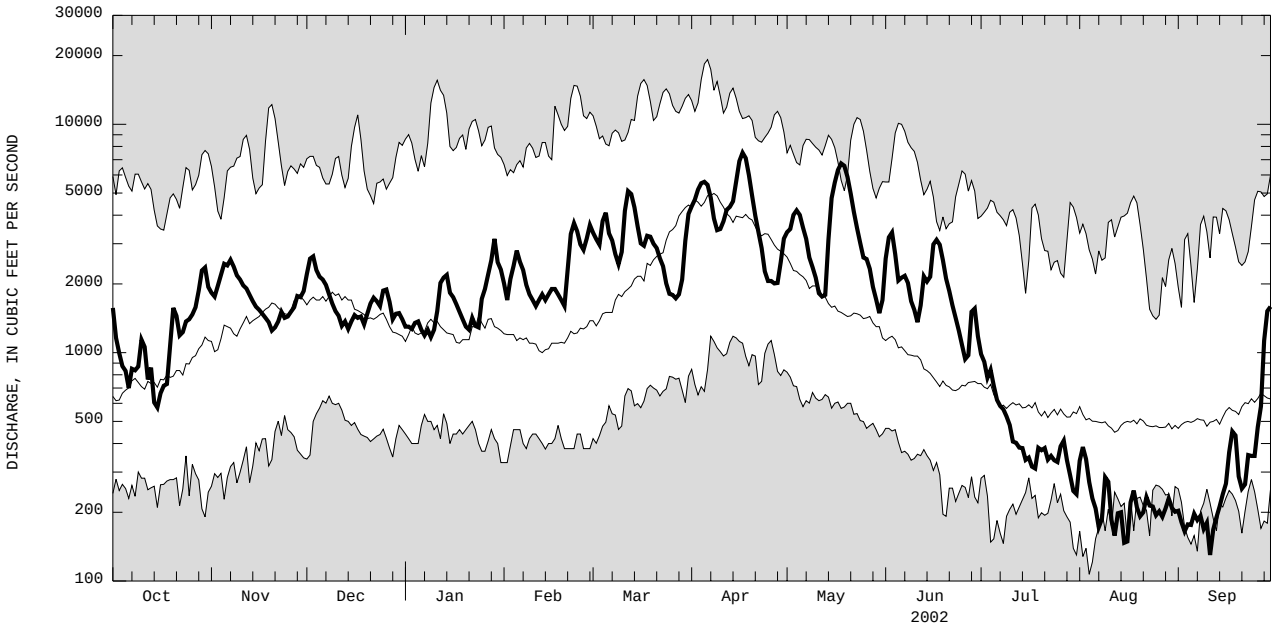
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2002, BY WATER YEAR (WY)

MEAN	1133	1775	1913	1835	1658	3106	4258	2151	1126	737	615	705
MAX	3563	4284	4522	5369	4800	6327	8867	5243	4481	2096	2196	2420
(WY)	1978	1928	1928	1930	1954	1977	1993	1976	1947	1947	1981	1981
MIN	327	552	582	507	538	972	1167	620	391	319	222	278
(WY)	1964	1957	1923	1961	1934	1940	1995	1941	1941	1965	2002	1990

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1916 - 2002	
ANNUAL TOTAL	571864		680918			
ANNUAL MEAN	1567		1866		1750	
HIGHEST ANNUAL MEAN					2952	1947
LOWEST ANNUAL MEAN					1029	1931
HIGHEST DAILY MEAN	9010	Apr 16	7510	Apr 17	19200	Apr 6 1960
LOWEST DAILY MEAN	220	Aug 11	130	Sep 11	107	Aug 4 1991
ANNUAL SEVEN-DAY MINIMUM	244	Aug 9	174	Sep 7	133	Jul 30 1991
10 PERCENT EXCEEDS	2970		3760		4000	
50 PERCENT EXCEEDS	1230		1640		1120	
90 PERCENT EXCEEDS	340		230		433	

e Estimated

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY--Continued



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.

04264331 ST. LAWRENCE RIVER AT CORNWALL, ONTARIO--NEAR MASSENA, NY

LOCATION.--Lat 45°00'22", long 74°47'43", Stormont County, Ontario--St. Lawrence County, NY, Hydrologic Unit 04150301, at Robert Moses-Robert H. Saunders power dam on Lake St. Lawrence at the International Boundary at Cornwall, Ontario, 2.9 mi upstream from Grass River, 5.9 mi northeast of Massena, NY, and 6.2 mi upstream from Raquette River.
DRAINAGE AREA.--298,800 mi^2.
PERIOD OF RECORD.--June 1860 to September 1935 (monthly discharges only, published in WSP 1307), October 1935 to current year. Prior to October 1970 published as 04264000 "St. Lawrence River at Ogdensburg."
REVISED RECORDS.--WSP 1437: 1870, 1875, 1881, 1883, 1884, 1890.
GAGE.--There is no gage. Discharge is determined from summation of discharge through the Robert Moses-Robert H. Saunders power dam, the Long Sault Dam, the Massena Diversion, the Raisin River Diversion, the Cornwall and Massena municipal water supply, and the Cornwall and the Wiley-Dondero navigation canals. U.S.-Canada coordinated discharge figures supplied by Corps of Engineers. Prior to 1956, base gage at lock 25 at Iroquois Ont. with supplementary gages. August 1956 to June 1958, base gage at lock 24 between Iroquois and Morrisburg, Ont., and supplementary gages. Prior to August 1956, these were gages of the Canadian Hydrographic Service and from August 1956 to June 1958, were gages of the Hydro-Electric Power Commission of Ontario. Discharge in the reach of river at Cornwall, Ont., near Massena, NY is considered to be the same as discharge at Ogdensburg, NY when adjusted for storage in Lake St. Lawrence.
REMARKS.--Since July 1958, flow regulated by international agreement administered by International St. Lawrence River Board of Control under the International Joint Commission. Records do not include water diverted from Lake Michigan by Illinois and Michigan Canal during period of its operation prior to 1910 and by Chicago Sanitary and Ship Canal, which began operation in 1900. Records include water diverted into Lake Superior from Hudson Bay drainage by the Long Lake Project, which began operation in July 1939, and by the Ogoki project, which began operation in July 1943.
COOPERATION.--Records of daily discharge provided by Buffalo District, U.S. Army Corps of Engineers through International St. Lawrence River Board of Control.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 378,000 ft^3/s, May 20, 28, June 8, 1993; minimum daily, 139,000 ft^3/s, Feb. 7, 1936; maximum monthly discharge, 353,500 ft^3/s, May and June 1993; minimum monthly, 153,800 ft^3/s, Feb. 1936.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 297,000 ft^3/s, July 15; minimum daily, 190,000 ft^3/s, Jan. 12-13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

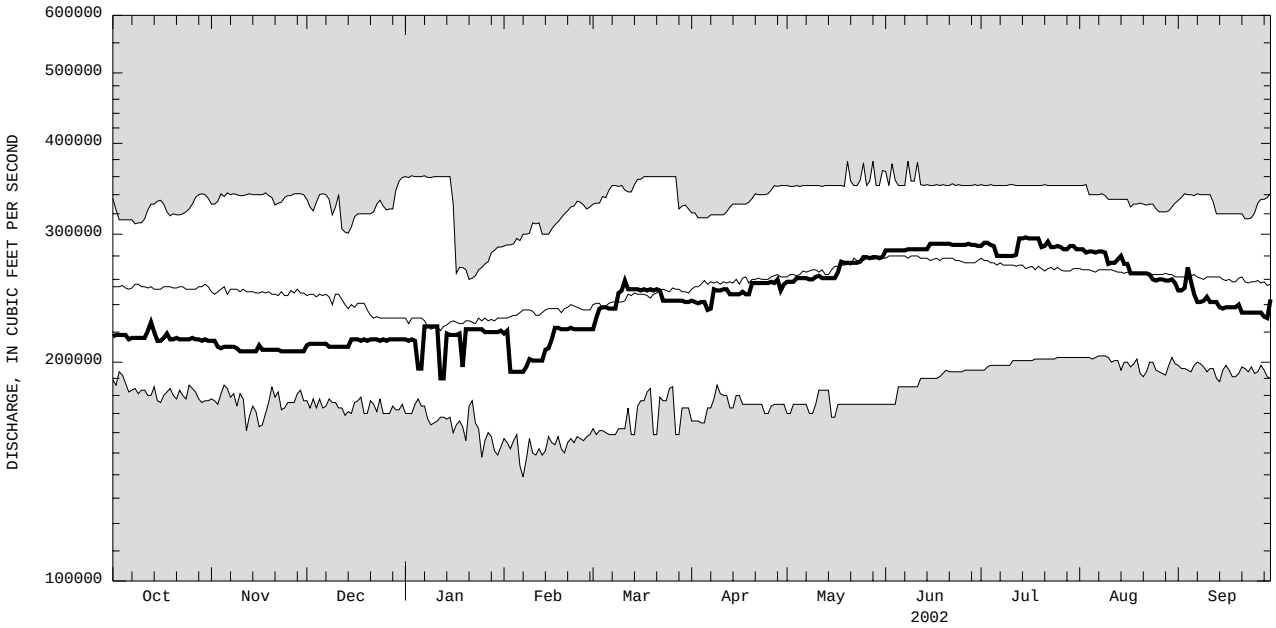
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	217000	214000	211000	215000	219000	222000	243000	258000	285000	289000	286000	251000
2	218000	214000	212000	214000	221000	230000	242000	258000	285000	292000	286000	251000
3	218000	210000	212000	215000	194000	237000	241000	258000	285000	292000	283000	253000
4	218000	209000	212000	214000	194000	238000	242000	261000	285000	290000	284000	270000
5	218000	210000	212000	196000	194000	238000	242000	261000	285000	289000	284000	258000
6	215000	210000	212000	196000	194000	237000	236000	261000	285000	280000	283000	248000
7	216000	210000	212000	224000	194000	237000	237000	261000	285000	280000	284000	242000
8	216000	210000	210000	224000	197000	237000	252000	260000	286000	280000	284000	242000
9	216000	209000	210000	224000	202000	249000	251000	260000	286000	280000	283000	243000
10	216000	207000	210000	224000	201000	251000	251000	262000	286000	280000	273000	246000
11	216000	207000	210000	224000	201000	259000	252000	263000	286000	280000	274000	242000
12	221000	207000	210000	190000	201000	252000	252000	261000	286000	281000	274000	242000
13	227000	207000	210000	190000	201000	252000	248000	261000	286000	296000	277000	242000
14	220000	207000	210000	219000	208000	252000	248000	261000	286000	296000	280000	238000
15	214000	207000	215000	218000	209000	252000	248000	261000	291000	297000	273000	237000
16	214000	211000	215000	218000	215000	251000	248000	261000	291000	296000	273000	238000
17	216000	208000	215000	218000	223000	252000	250000	266000	291000	296000	265000	238000
18	219000	208000	214000	219000	223000	251000	248000	275000	291000	296000	265000	238000
19	215000	208000	215000	197000	222000	252000	248000	274000	291000	296000	265000	238000
20	215000	208000	214000	222000	222000	251000	257000	274000	291000	288000	265000	240000
21	216000	208000	215000	222000	222000	252000	257000	274000	291000	289000	265000	234000
22	215000	208000	215000	222000	223000	251000	257000	274000	290000	293000	265000	234000
23	215000	207000	215000	222000	222000	243000	257000	274000	290000	288000	264000	234000
24	215000	207000	214000	222000	222000	243000	257000	275000	290000	288000	260000	234000
25	215000	207000	215000	222000	222000	243000	257000	279000	290000	289000	259000	234000
26	216000	207000	214000	220000	222000	243000	258000	279000	290000	288000	260000	234000
27	215000	207000	215000	220000	222000	243000	257000	278000	291000	286000	260000	234000
28	215000	207000	215000	220000	222000	243000	260000	279000	290000	286000	259000	231000
29	214000	207000	215000	220000	---	243000	251000	279000	290000	289000	259000	230000
30	215000	207000	215000	220000	---	242000	256000	278000	289000	289000	260000	244000
31	214000	---	215000	221000	---	242000	---	279000	---	286000	257000	---
TOTAL	6710000	6253000	6604000	6692000	5912000	7588000	7503000	8305000	8644000	8945000	8409000	7240000
MEAN	216500	208400	213000	215900	211100	244800	250100	267900	288100	288500	271300	241300
MAX	227000	214000	215000	224000	223000	259000	260000	279000	291000	297000	286000	270000
MIN	214000	207000	210000	190000	194000	222000	236000	258000	285000	280000	257000	230000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2002, BY WATER YEAR (WY)

MEAN	250100	245900	241000	226800	234300	246800	256900	267100	271600	268700	263200	257200
MAX	323800	338100	327000	298700	293300	335100	325100	353500	353500	350000	330300	326400
(WY)	1987	1987	1987	1987	1997	1998	1973	1993	1993	1973	1974	1986
MIN	182600	176100	174700	168700	153800	179800	179200	176500	188600	200600	200000	194900
(WY)	1936	1936	1936	1936	1936	1965	1964	1965	1965	1964	1936	1936

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1936 - 2002	
ANNUAL TOTAL	80905000		88805000			
ANNUAL MEAN	221700		243300		252500	
HIGHEST ANNUAL MEAN					309300	1987
LOWEST ANNUAL MEAN					191800	1936
HIGHEST DAILY MEAN	245000	Apr 28	297000	Jul 15	378000	May 20 1993
LOWEST DAILY MEAN	186000	Feb 10	190000	Jan 12	139000	Feb 7 1936
ANNUAL SEVEN-DAY MINIMUM	203000	Jan 29	196000	Feb 3	148000	Feb 6 1936
10 PERCENT EXCEEDS	238000		288000		300000	
50 PERCENT EXCEEDS	222000		242000		252000	
90 PERCENT EXCEEDS	210000		208000		208000	

04264331 ST. LAWRENCE RIVER AT CORNWALL, ONTARIO--NEAR MASSENA, NY--Continued



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.

04266500 RAQUETTE RIVER AT PIERCEFIELD, NY

LOCATION.--Lat 44°14'05", long 74°34'20", St. Lawrence County, Hydrologic Unit 04150305, on left bank 0.5 mi downstream from powerplant at Piercefield, and 1.5 mi upstream from Dead Creek.
DRAINAGE AREA.--721 mi^2.
PERIOD OF RECORD.--August 1908 to current year.
REVISED RECORDS.--WSP 604: 1924. WSP 1387: 1910, 1913, 1914(M), 1916, 1921. WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,502.12 ft above NGVD of 1929. Prior to Jan. 1, 1911, nonrecording gage at present site at datum 2.00 ft higher and Jan. 1, 1911 to Oct. 21, 1912, nonrecording gage at present site and datum.
REMARKS.--No estimated daily discharges. Records good. Seasonal distribution of flow modified by natural storage in lakes and ponds upstream from station and by regulation of Forked Lake, Round Lake, Lows Lake, and Raquette Pond (Tupper Lake) at Setting Pole Dam. Extensive diurnal fluctuation caused by powerplant at Piercefield. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,630 ft^3/s, Apr. 27, 1993, gage height, 12.04 ft; maximum gage height, 12.25 ft, May 8, 1972; minimum discharge not determined.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 7,000 ft^3/s, May 1, 1900 (from New York State Museum Bulletin 85).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,300 ft^3/s, Apr. 19, gage height, 10.67 ft; minimum, 38 ft^3/s, Sept. 14, 15, gage height, 1.58 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

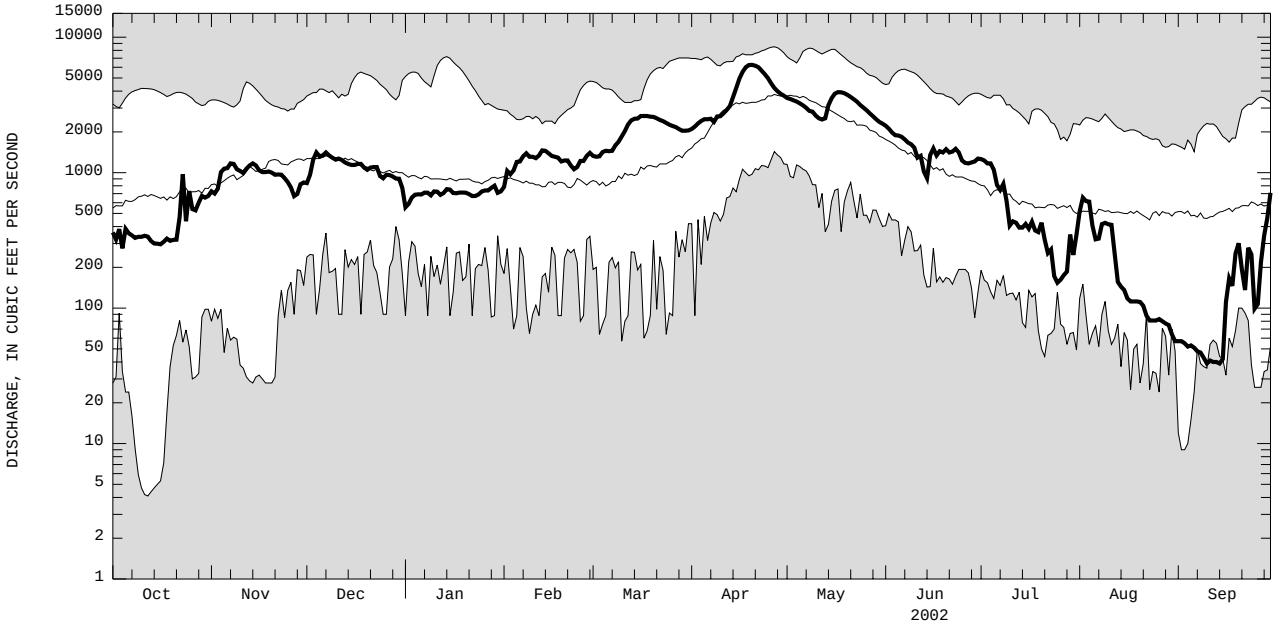
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	362	728	837	555	784	1330	2100	3560	2220	1260	519	57
2	321	701	965	588	1030	1310	2190	3500	2110	1230	654	57
3	383	761	1250	654	974	1320	2310	3420	1980	1170	617	55
4	276	1010	1410	687	1040	1420	2410	3350	1890	1170	611	52
5	385	1070	1320	692	1200	1450	2480	3250	1880	1050	408	53
6	357	1080	1340	690	1210	1440	2480	3140	1840	812	322	51
7	344	1170	1410	712	1320	1450	2500	3010	1760	746	326	48
8	330	1160	1340	711	1390	1590	2370	2860	1670	826	417	47
9	336	1060	1290	680	1310	1690	2600	2820	1620	622	426	43
10	336	1030	1250	727	1310	1850	2610	2640	1530	407	416	39
11	342	995	1270	724	1280	2030	2740	2520	1290	437	412	41
12	337	1070	1240	686	1340	2270	2900	2470	1330	427	253	40
13	313	1130	1190	708	1460	2430	3100	2520	1020	393	156	40
14	300	1170	1160	756	1450	2500	3610	3150	911	393	144	39
15	299	1130	1140	750	1390	2510	4210	3540	1350	418	136	42
16	296	1040	1140	708	1330	2620	4940	3830	1510	386	118	111
17	309	1010	1160	705	1310	2620	5540	3930	1340	434	112	166
18	326	1010	1160	713	1290	2620	6000	3920	1440	374	112	146
19	314	1020	1090	713	1210	2590	6230	3860	1410	364	112	253
20	319	1000	1050	711	1230	2580	6250	3750	1490	427	111	301
21	320	965	1090	694	1230	2520	6160	3620	1410	320	104	193
22	471	970	1100	672	1130	2450	6000	3480	1430	255	88	136
23	973	965	1100	673	1060	2400	5660	3340	1500	271	81	279
24	438	911	945	691	1100	2330	5330	3160	1410	172	81	249
25	731	851	909	726	1220	2260	4980	3020	1230	154	81	99
26	539	777	965	739	1220	2210	4560	2890	1180	162	83	107
27	527	671	960	739	1330	2170	4220	2740	1170	175	80	218
28	601	696	937	772	1400	2100	3990	2610	1190	186	77	343
29	674	821	905	801	---	2040	3820	2480	1210	349	75	463
30	654	846	902	710	---	2040	3700	2370	1270	247	64	710
31	673	---	772	728	---	2050	---	2300	---	349	57	---
TOTAL	13186	28818	34597	21815	34548	64190	117990	97050	44591	15986	7253	4478
MEAN	425	961	1116	704	1234	2071	3933	3131	1486	516	234	149
MAX	973	1170	1410	801	1460	2620	6250	3930	2220	1260	654	710
MIN	276	671	772	555	784	1310	2100	2300	911	154	57	39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2002, BY WATER YEAR (WY)

MEAN	868	1170	1259	1109	945	1311	3159	2920	1306	751	587	605
MAX	3292	2676	3439	3828	2148	3577	5405	6094	3982	2461	1867	1614
(WY)	1946	1989	1984	1998	1916	1921	1993	1943	1947	1972	1986	1938
MIN	54.7	133	348	343	319	325	1230	878	396	324	145	112
(WY)	1948	1909	1931	1918	1961	1940	1995	1987	1941	1995	1999	1913

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1908 - 2002	
ANNUAL TOTAL	448422		484502			
ANNUAL MEAN	1229		1327		1333	
HIGHEST ANNUAL MEAN					2030	1976
LOWEST ANNUAL MEAN					734	1965
HIGHEST DAILY MEAN	7230	Apr 27	6250	Apr 20	8500	Apr 27 1993
LOWEST DAILY MEAN	101	Aug 3	39	Sep 10	4.1	Oct 12 1947
ANNUAL SEVEN-DAY MINIMUM	174	Aug 2	41	Sep 9	4.6	Oct 10 1947
10 PERCENT EXCEEDS	2200		3010		2910	
50 PERCENT EXCEEDS	917		1030		950	
90 PERCENT EXCEEDS	328		141		359	

04266500 RAQUETTE RIVER AT PIERCEFIELD, NY--Continued



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.

04267500 RAQUETTE RIVER AT SOUTH COLTON, NY

LOCATION.--Lat 44°30'42", long 74°53'00", St. Lawrence County, Hydrologic Unit 04150305, on left bank 300 ft upstream from bridge on State Highway 56 at South Colton, 500 ft downstream from Reliant Energy (Orion Power New York) powerplant, and 0.8 mi upstream from Cold Brook.
DRAINAGE AREA.--937 mi^2.
PERIOD OF RECORD.--January 1953 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 882.05 ft above NGVD of 1929.
REMARKS.--No estimated daily discharges. Records good except those below 800 ft^3/s, which are poor. Flow regulated 16 mi upstream by Carry Falls Reservoir since 1953; considerable natural storage in large lakes upstream from Piercefield. Large diurnal fluctuation caused by five powerplants upstream from gage.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,720 ft^3/s, May 11, 1971, gage height, 9.80 ft; minimum, 1.1 ft^3/s, Sept. 10, 2002, gage height, 1.21 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,510 ft^3/s, Apr. 29, gage height, 8.55 ft; minimum, 1.1 ft^3/s, Sept. 10, gage height, 1.21 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

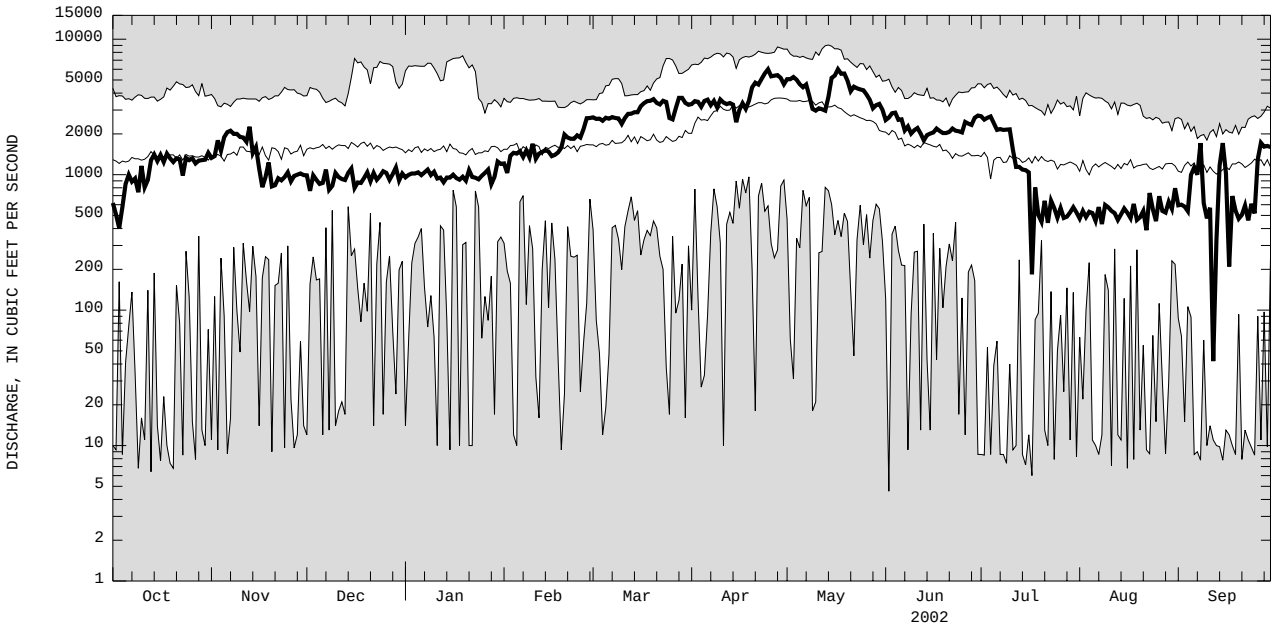
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	618	1330	988	955	1210	2650	3320	5070	2530	2700	474	594
2	507	1370	760	997	1030	2580	3490	5070	2640	2550	540	600
3	403	1790	989	1020	1380	2590	3450	5260	2840	2630	486	581
4	576	1500	916	1020	1450	2500	3170	5020	2870	2690	532	538
5	853	1890	854	1040	1430	2630	3500	4650	2540	2400	521	997
6	1000	2060	869	992	1490	2590	3580	4420	2560	2140	456	1130
7	888	2110	1090	1040	1350	2660	3260	4630	2120	2170	576	1000
8	938	2000	773	1090	1510	2620	3510	3800	2270	2140	432	1710
9	742	2000	827	994	1340	2600	3140	3060	2010	2150	598	617
10	1160	1900	1030	1050	1690	2370	3590	2970	2130	2160	574	476
11	806	1880	960	937	1310	2620	3410	3090	2210	1530	540	570
12	915	1750	928	951	1430	2810	3320	3040	2010	1140	520	42
13	1280	2260	913	878	1470	2820	3380	2970	1790	1140	463	328
14	1410	1440	1030	952	1520	2890	3290	3760	1960	1090	509	1170
15	1260	1600	1110	951	1480	2890	2440	5180	2010	1080	563	1710
16	1400	1110	797	1000	1370	3200	3000	5390	2050	1040	523	1020
17	1240	809	876	944	1400	3370	3370	6010	2190	184	477	210
18	1430	958	869	918	1460	3490	3060	5560	2100	804	608	695
19	1320	1230	945	965	1580	3510	3510	5580	2030	505	463	544
20	1240	819	1040	903	1980	3610	4410	4940	2030	449	485	473
21	1320	836	893	1080	1880	3390	4780	4130	2070	641	540	505
22	1300	941	1030	962	1840	3300	4630	4460	2190	441	389	592
23	986	908	917	949	1840	3510	5100	4340	2110	643	732	460
24	1330	960	977	924	1950	3440	5590	4260	2090	567	556	609
25	1280	1040	1060	981	1880	2620	6000	4200	2050	481	454	518
26	1320	892	1030	1030	2170	2560	5320	3900	2450	567	693	1300
27	1210	978	916	1090	2610	3090	5380	3570	2380	479	540	1720
28	1270	1000	1010	851	2620	3690	5430	3090	2330	490	525	1610
29	1280	1020	1130	963	---	3690	5180	3260	2630	527	631	1630
30	1290	993	905	1250	---	3390	4650	3330	2730	575	559	1600
31	1450	---	1020	1200	---	3280	---	3010	---	526	794	---
TOTAL	34022	41374	29452	30877	45670	92960	119260	131020	67920	38629	16753	25549
MEAN	1097	1379	950	996	1631	2999	3975	4226	2264	1246	540	852
MAX	1450	2260	1130	1250	2620	3690	6000	6010	2870	2700	794	1720
MIN	403	809	760	851	1030	2370	2440	2970	1790	184	389	42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2002, BY WATER YEAR (WY)

MEAN	1377	1605	1746	1688	1671	2065	3224	3173	1755	1290	1130	1105
MAX	3849	3248	4208	4138	3117	3985	5958	6260	3496	3356	2990	1816
(WY)	1978	1986	1984	1985	1996	1990	2000	1971	1972	1972	1986	1986
MIN	536	386	435	673	595	657	980	1041	656	462	535	557
(WY)	1997	1965	1965	1956	1961	1956	1995	1987	1962	1988	1985	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1953 - 2002	
ANNUAL TOTAL	576176		673486			
ANNUAL MEAN	1579		1845		1822	
HIGHEST ANNUAL MEAN					2661	1976
LOWEST ANNUAL MEAN					984	1965
HIGHEST DAILY MEAN	5420	May 1	6010	May 17	9060	May 14 1971
LOWEST DAILY MEAN	401	Aug 21	42	Sep 12	4.6	Jun 2 1954
ANNUAL SEVEN-DAY MINIMUM	515	Aug 15	497	Sep 17	239	Nov 1 1964
10 PERCENT EXCEEDS	2740		3580		3440	
50 PERCENT EXCEEDS	1350		1330		1540	
90 PERCENT EXCEEDS	768		539		600	

04267500 RAQUETTE RIVER AT SOUTH COLTON, NY--Continued



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.

04268000 RAQUETTE RIVER AT RAYMONDVILLE, NY

LOCATION.--Lat 44°50'20", long 74°58'45", St. Lawrence County, Hydrologic Unit 04150305, on right bank 250 ft upstream from bridge on Grant Road at Raymondville, 0.3 mi downstream from Trout Brook, 0.4 mi downstream from Reliant Energy (Orion Power New York) powerplant, and 18.0 mi upstream from mouth.
DRAINAGE AREA.--1,125 mi^2.
PERIOD OF RECORD.--November 1943 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area. WDR NY-85-1: 1983-84.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 183.33 ft above NGVD of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Extensive diurnal fluctuation caused by power and industrial operations. Flow regulated since 1953 by Carry Falls Reservoir, about 46 mi upstream and by Reliant Energy (Orion Power New York) powerplant, 0.4 mi upstream; considerable natural storage in large lakes upstream from Piercefield. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft^3/s, Apr. 5, 1974, gage height, 8.40 ft; maximum gage height, 9.24 ft, Feb. 22, 1954 (ice jam); minimum discharge, 2.2 ft^3/s, Sept. 18, 19, 1966; minimum gage height, 0.42 ft, July 13, 1950.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,400 ft^3/s, May 18, gage height, 5.68 ft; minimum, 49 ft^3/s, Oct. 13, gage height, 0.78 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	511	1610	1430	e1100	e1600	3270	4520	5330	4180	3250	515	468
2	627	1540	1290	e1100	e1500	3160	4600	6070	3630	3060	505	493
3	614	1840	1110	1200	e1500	3330	4820	6310	3370	2940	493	520
4	520	1950	1160	1130	e1600	e3400	4640	6180	3220	3010	512	526
5	769	2000	1140	1170	e1800	3340	4350	5210	3250	2910	521	1010
6	1240	2300	1160	1170	e1900	3200	4080	5060	3190	2420	479	1150
7	1070	2390	1190	1190	1670	3110	4010	4760	2620	2280	466	1140
8	1110	2370	1240	1050	1710	3090	3990	4350	2850	2300	548	1410
9	1000	2310	1120	1210	e1700	3160	4040	3510	2870	2520	492	981
10	1100	2310	1140	1250	1770	3400	4030	3400	2140	2360	476	527
11	1190	2280	1090	e1200	e1800	3320	3990	3310	2060	2080	486	565
12	1010	2260	1050	e1200	e1800	3470	3990	3220	3630	1150	536	510
13	1110	2240	1200	e1100	e1700	3350	4010	3350	3790	1260	628	732
14	1480	2170	1180	e1200	e1700	3420	4530	4720	2650	1090	446	1450
15	1370	1630	1180	e1100	1660	3400	4130	5610	2850	1080	482	942
16	1410	1330	1280	1170	1670	3560	3080	6440	3190	1170	478	496
17	1510	1090	974	1160	1670	3870	4180	6580	3320	397	490	523
18	1580	1190	1150	1120	e1700	3950	3820	6930	2890	814	518	501
19	1440	1060	1080	e1100	e1800	3980	3850	6170	2740	348	496	494
20	1330	1180	1170	1130	2010	4020	4070	5530	2600	529	509	514
21	1310	1140	1200	1170	e2300	4180	5180	4460	2530	513	452	509
22	1410	1060	1280	1140	e2400	4200	5460	4670	2540	534	504	495
23	1480	1080	1200	1160	e2400	4120	5170	4640	2580	509	532	539
24	1430	949	1270	1230	e2400	4010	5610	4650	2710	521	514	547
25	1440	1140	1230	1360	2400	2970	6550	4620	2490	522	489	551
26	1520	1070	1230	1370	2620	3090	5790	4550	2620	518	504	1040
27	1670	1140	1230	1430	e3000	3260	5420	4090	3200	582	518	1870
28	1590	1270	1150	1420	e3200	4140	5530	3490	3020	534	523	2060
29	1490	1070	1240	1390	---	4100	6610	3600	3220	485	521	1750
30	1580	1210	1150	1370	---	4550	5780	3810	3240	525	501	1640
31	1610	---	1050	e1400	---	4640	---	3960	---	475	931	---
TOTAL	38521	48179	36564	37490	54980	112060	139830	148580	89190	42686	16065	25953
MEAN	1243	1606	1179	1209	1964	3615	4661	4793	2973	1377	518	865
MAX	1670	2390	1430	1430	3200	4640	6610	6930	4180	3250	931	2060
MIN	511	949	974	1050	1500	2970	3080	3220	2060	348	446	468

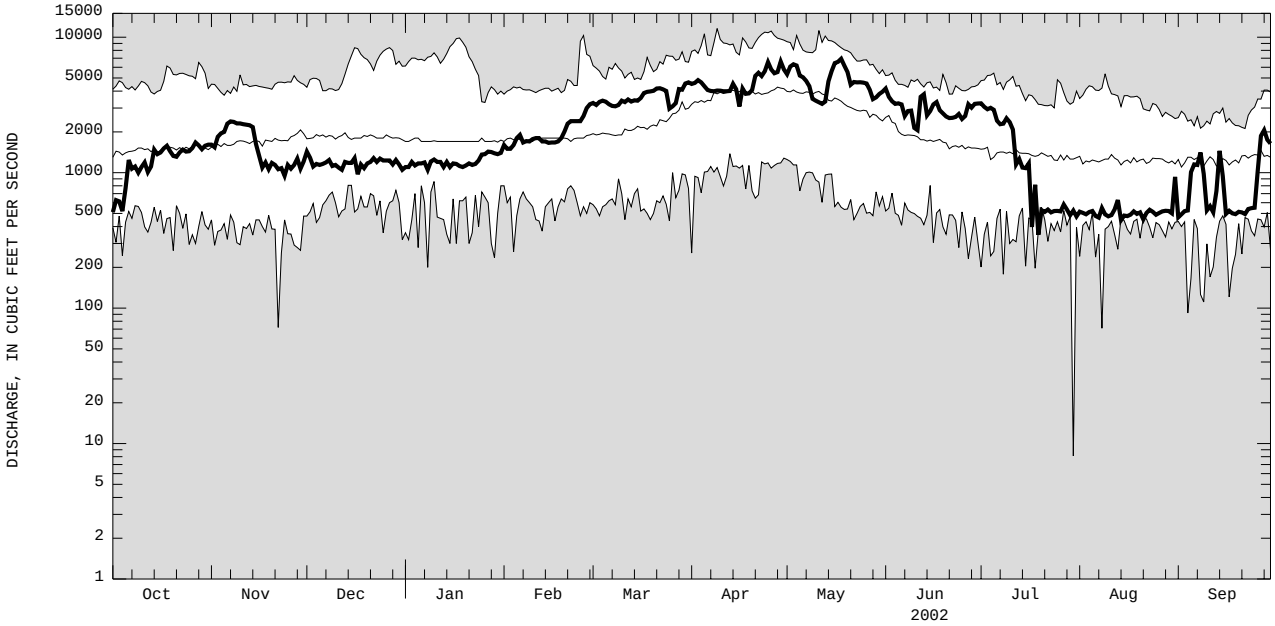
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

MEAN	1591	1942	2079	1995	2012	2634	3985	3581	2012	1440	1256	1272
MAX	4545	3776	5228	5021	3979	4723	7132	6768	3602	3623	3454	2244
(WY)	1978	1986	1984	1985	1996	1990	2000	1971	1972	1972	1986	1981
MIN	591	500	684	699	672	866	1140	1209	807	518	518	573
(WY)	1997	1965	1965	1956	1956	1956	1995	1987	1962	1988	2002	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1954 - 2002	
ANNUAL TOTAL	672660		790098			
ANNUAL MEAN	1843		2165		2149	
HIGHEST ANNUAL MEAN					3022	1976
LOWEST ANNUAL MEAN					1148	1965
HIGHEST DAILY MEAN	5840	Apr 30	6930	May 18	11600	Apr 9 2000
LOWEST DAILY MEAN	511	Oct 1	348	Jul 19	8.1	Jul 30 1962
ANNUAL SEVEN-DAY MINIMUM	568	Aug 10	488	Aug 14	345	Nov 22 1953
10 PERCENT EXCEEDS	3620		4480		4030	
50 PERCENT EXCEEDS	1540		1540		1710	
90 PERCENT EXCEEDS	940		515		838	

e Estimated

04268000 RAQUETTE RIVER AT RAYMONDVILLE, NY--Continued



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.

04268800 WEST BRANCH ST. REGIS RIVER NEAR PARISHVILLE, NY

LOCATION.--Lat 44°35'55", long 74°44'15", St. Lawrence County, Hydrologic Unit 04150306, on right bank 25 ft upstream from highway bridge, 4.1 mi downstream from Mud Pond Outlet, 4.2 mi southeast of Parishville, and 4.8 mi upstream from Reliant Energy (Orion Power New York) dam.
DRAINAGE AREA.--171 mi^2.
PERIOD OF RECORD.--October 1958 to September 1968, June 1991 to current year. Annual maximum, water years 1969-91.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 971.64 ft above NGVD of 1929. October 1968 to May 1991, crest-stage gage at present site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,960 ft^3/s, Dec. 29, 1984, gage height, 7.37 ft; maximum gage height, 7.51 ft, Feb. 25, 1985 (ice jam); minimum recorded discharge, 45 ft^3/s, Sept. 6, 1999, Aug. 16, 2001, gage height, 0.87 ft, but may have been less during period of estimated record Jan. and Feb. 1991.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 14	1745	*2,510	*4.50	No other peak greater than base discharge.			

Minimum discharge, 50 ft^3/s, Sept. 9, 10, 11, gage height, 0.91 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	257	541	e160	e320	e410	899	913	863	851	168	62
2	119	290	482	e170	e470	e390	967	993	704	604	152	60
3	108	367	404	e160	e600	e410	1040	1220	537	450	154	59
4	101	372	343	e160	e400	e540	1050	1100	426	360	153	57
5	126	399	359	e170	e340	e490	869	889	397	300	132	55
6	237	429	374	e160	e370	423	727	691	566	268	118	54
7	349	438	349	e150	e310	374	579	564	614	240	110	54
8	364	425	306	e160	e240	332	498	490	566	220	104	53
9	546	427	272	e170	e210	473	628	427	468	236	99	51
10	283	393	247	e190	e220	1180	1060	389	376	230	94	50
11	215	382	e220	e200	e230	1050	1140	356	393	204	87	63
12	182	352	e200	e210	e240	e860	1160	337	890	180	82	92
13	164	303	241	e200	e220	e750	1360	409	1100	162	80	97
14	152	282	281	e190	e220	e750	2250	932	832	147	78	82
15	148	296	e260	e180	e230	687	2250	1180	718	142	79	163
16	145	311	e240	e180	e240	788	1810	1080	693	131	80	303
17	173	293	250	e180	e220	769	1400	1260	688	124	82	265
18	240	270	239	e170	e210	711	1110	1240	659	125	81	189
19	235	251	229	e170	e210	613	871	1010	561	139	76	136
20	210	275	225	e160	e200	507	691	794	454	149	74	113
21	194	280	214	e160	e260	437	564	645	366	134	72	102
22	281	265	e190	e150	e340	e320	482	536	482	119	73	92
23	299	245	e200	e170	e420	e300	447	457	648	147	85	224
24	267	221	e230	e220	e370	e300	457	398	683	291	91	293
25	245	214	e210	e280	e330	e310	454	357	658	299	85	235
26	266	253	e190	e320	e370	316	494	336	554	236	77	170
27	272	252	e170	e290	e470	328	466	318	476	257	73	192
28	263	237	e190	e270	e460	341	454	293	1060	231	69	684
29	233	255	e170	e240	---	363	861	270	1330	221	66	601
30	203	453	e160	e220	---	526	914	266	1180	233	64	482
31	188	---	e150	e250	---	800	---	419	---	202	64	---
TOTAL	6942	9487	8136	6060	8720	16848	27952	20569	19942	7632	2902	5133
MEAN	224	316	262	195	311	543	932	664	665	246	93.6	171
MAX	546	453	541	320	600	1180	2250	1260	1330	851	168	684
MIN	101	214	150	150	200	300	447	266	366	119	64	50
CFSM	1.31	1.85	1.53	1.14	1.82	3.18	5.45	3.88	3.89	1.44	0.55	1.00
IN.	1.51	2.06	1.77	1.32	1.90	3.67	6.08	4.47	4.34	1.66	0.63	1.12

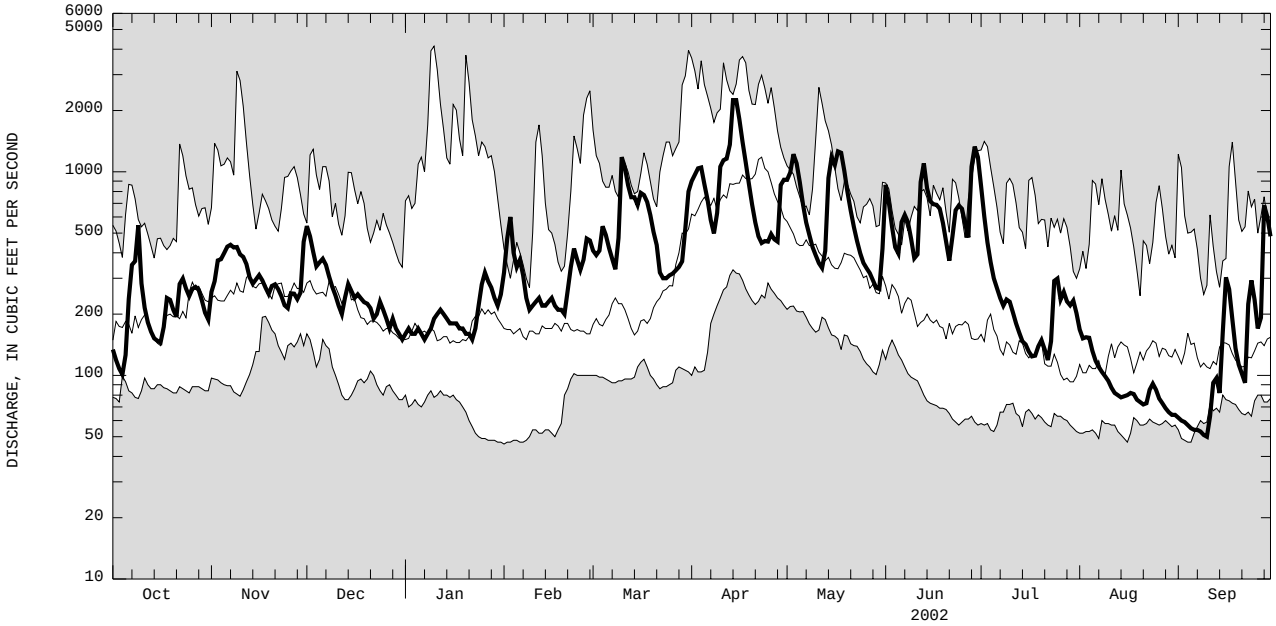
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2002, BY WATER YEAR (WY)

MEAN	237	328	259	283	236	372	971	440	266	186	166	170
MAX	414	603	577	816	467	811	1780	823	665	468	292	312
(WY)	1996	1997	1997	1998	2000	2000	1993	2000	2002	1998	1962	1999
MIN	97.8	185	111	67.0	106	149	312	197	99.8	75.0	69.9	91.6
(WY)	1965	1961	1961	1961	1963	1965	1995	1999	1999	1966	1960	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1959 - 2002	
ANNUAL TOTAL	109934		140323			
ANNUAL MEAN	301		384		327	
HIGHEST ANNUAL MEAN					455	2000
LOWEST ANNUAL MEAN					198	1965
HIGHEST DAILY MEAN	2500	Apr 13	2250	Apr 14	4140	Jan 10 1998
LOWEST DAILY MEAN	47	Aug 16	50	Sep 10	46	Feb 1 1961
ANNUAL SEVEN-DAY MINIMUM	53	Aug 11	53	Sep 4	47	Jan 28 1961
ANNUAL RUNOFF (CFSM)	1.76		2.25		1.91	
ANNUAL RUNOFF (INCHES)	23.92		30.53		25.98	
10 PERCENT EXCEEDS	498		860		679	
50 PERCENT EXCEEDS	200		275		210	
90 PERCENT EXCEEDS	82		96		94	

e Estimated

04268800 WEST BRANCH ST. REGIS RIVER NEAR PARISHVILLE, NY--Continued



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.

04269000 ST. REGIS RIVER AT BRASHER CENTER, NY

LOCATION.--Lat 44°51'49", long 74°46'45", St. Lawrence County, Hydrologic Unit 04150306, on left bank 600 ft upstream from highway bridge at Brasher Center, and 6.5 mi downstream from West Branch.
DRAINAGE AREA.--612 mi^2.
PERIOD OF RECORD.--August 1910 to October 1917, November 1917 to December 1918 (monthly discharges only, published in WSP 1307), January 1919 to September 1996, October 1996 to September 1997 (annual maximum only), October 1997 to current year.
REVISED RECORDS.--WSP 1387: 1910-16, 1917(M). WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 217.23 ft above NGVD of 1929. Prior to June 24, 1916, nonrecording gage at site 600 ft downstream at different datum. June 24, 1916 to Nov. 10, 1917, and Jan. 1, 1919 to Aug. 13, 1920, nonrecording gage at present site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Slight diurnal fluctuation caused by powerplant operations upstream from station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft^3/s, Apr. 6, 1937, gage height, 12.82 ft; maximum gage height, about 15.3 ft, Apr. 6, 1937 (ice jam); minimum discharge observed, about 34 ft^3/s, Aug. 8, 1917, gage height, 5.25 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 15	0130	*5,670	*9.20	No other peak greater than base discharge.			

Minimum discharge, 104 ft^3/s, Sept. 10, gage height, 5.65 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	429	718	1590	476	640	1520	2670	2560	2690	1890	515	185
2	376	802	1530	e470	873	1250	2920	2820	2370	1560	504	181
3	344	872	1350	e460	1080	1480	3130	3730	1780	1380	506	178
4	316	996	1160	e460	1310	2050	3200	3390	1360	1050	502	170
5	289	1140	1050	e450	846	1620	2770	2730	1150	870	473	184
6	526	1320	1210	e450	e800	1580	2170	2220	1510	831	426	153
7	856	1360	1150	e440	e720	1350	1880	1860	1680	759	376	169
8	1020	1320	1070	430	e700	1170	1530	1640	1540	685	343	179
9	1020	1360	936	509	672	e1200	1630	1460	1350	921	331	144
10	1060	1350	874	608	661	e2000	2340	1280	1190	870	299	142
11	784	1200	780	843	840	e3000	2690	1090	1200	746	277	158
12	638	1200	711	954	927	2520	2730	1030	3160	616	238	220
13	542	1080	732	992	955	2280	2920	1200	4390	509	233	311
14	491	964	741	815	883	2010	4380	2580	3110	467	228	372
15	483	932	902	771	943	1920	5400	3480	2430	436	263	336
16	455	891	847	686	e900	1920	4620	2990	2560	391	267	480
17	504	926	876	643	e800	2000	3560	3240	2480	339	227	750
18	645	867	778	645	e700	1960	3060	3340	2250	340	224	672
19	739	817	789	484	756	1730	2570	2710	1900	360	247	475
20	652	839	800	e500	814	1590	2170	2320	1620	367	226	394
21	620	859	861	613	1060	1400	1850	1970	1330	393	181	323
22	670	836	714	587	1590	e1200	1680	1710	1250	321	258	298
23	781	778	567	555	1370	e1100	1470	1490	1720	348	284	400
24	826	732	797	775	1190	e1000	1400	1310	1790	414	250	658
25	833	681	858	968	1200	e940	1370	1180	1830	648	254	704
26	904	659	721	1030	1300	940	1410	1020	1680	640	246	577
27	953	750	656	1070	1750	1010	1430	1000	1540	627	218	474
28	886	762	533	1040	1620	1110	1370	923	1650	651	185	1190
29	811	778	e520	1060	---	1160	2620	878	2160	610	218	1770
30	705	1120	e500	871	---	1760	2900	852	2200	625	187	1390
31	628	---	507	650	---	2650	---	1410	---	552	207	---
TOTAL	20786	28909	27110	21305	27900	50420	75840	61413	58870	21216	9193	13637
MEAN	671	964	875	687	996	1626	2528	1981	1962	684	297	455
MAX	1060	1360	1590	1070	1750	3000	5400	3730	4390	1890	515	1770
MIN	289	659	500	430	640	940	1370	852	1150	321	181	142
CFSM	1.10	1.57	1.43	1.12	1.63	2.66	4.13	3.24	3.21	1.12	0.48	0.74
IN.	1.26	1.76	1.65	1.30	1.70	3.06	4.61	3.73	3.58	1.29	0.56	0.83

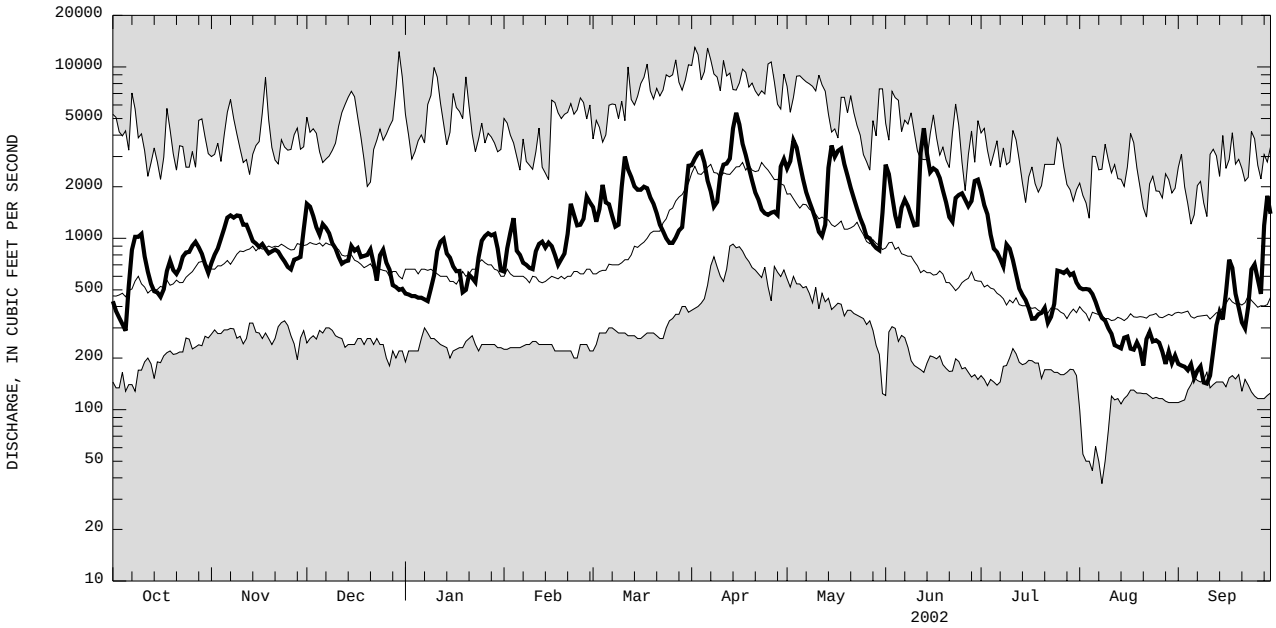
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2002, BY WATER YEAR (WY)

MEAN	760	1002	971	890	774	1506	2817	1550	845	548	474	532
MAX	2203	2467	2674	2678	2268	3434	5576	4512	2848	1486	1564	1541
(WY)	1978	1928	1984	1913	1981	1913	1993	1971	1947	1998	1986	1981
MIN	296	374	367	273	304	337	996	495	247	225	129	155
(WY)	1965	1931	1961	1931	1931	1941	1995	1941	1941	1941	1934	1934

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1910 - 2002	
ANNUAL TOTAL	324664		416599			
ANNUAL MEAN	889		1141		1055	
HIGHEST ANNUAL MEAN					1884	1947
LOWEST ANNUAL MEAN					581	1941
HIGHEST DAILY MEAN	7200	Apr 13	5400	Apr 15	13000	Apr 2 1916
LOWEST DAILY MEAN	128	Aug 13	142	Sep 10	37	Aug 8 1917
ANNUAL SEVEN-DAY MINIMUM	145	Aug 11	161	Sep 5	49	Aug 3 1917
ANNUAL RUNOFF (CFSM)	1.45		1.86		1.72	
ANNUAL RUNOFF (INCHES)	19.73		25.32		23.43	
10 PERCENT EXCEEDS	1510		2450		2240	
50 PERCENT EXCEEDS	659		876		691	
90 PERCENT EXCEEDS	250		306		290	

e Estimated

04269000 ST. REGIS RIVER AT BRASHER CENTER, NY--Continued



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.

04270000 SALMON RIVER AT CHASM FALLS, NY

LOCATION.--Lat 44°45'22", long 74°13'09", Franklin County, Hydrologic Unit 04150307, on right bank 0.1 mi downstream from Reliant Energy (Orion Power New York) powerplant at Chasm Falls, and 3.0 mi downstream from Duane Stream.
DRAINAGE AREA.--132 mi^2.
PERIOD OF RECORD.--July 1925 to September 1982, October 1986 to current year.
REVISED RECORDS.--WSP 729: 1931 (m). WSP 759: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,011.52 ft above NGVD of 1929.
REMARKS.--No estimated daily discharges. Records good. Seasonal regulation of flow by upstream reservoirs. Diurnal fluctuation at low and medium flow caused by powerplant. A small diversion from tributary upstream from station is used as water supply for village of Malone.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,540 ft^3/s, Apr. 1, 1998, gage height, 5.43 ft; minimum, 9.8 ft^3/s, Sept. 26, 27, 1963.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 29, 1984, reached a stage of 5.63 ft, from floodmarks, discharge, 3,700 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,490 ft^3/s, June 12, gage height, 4.63 ft; minimum, 23 ft^3/s, Aug. 12, gage height, 0.45 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

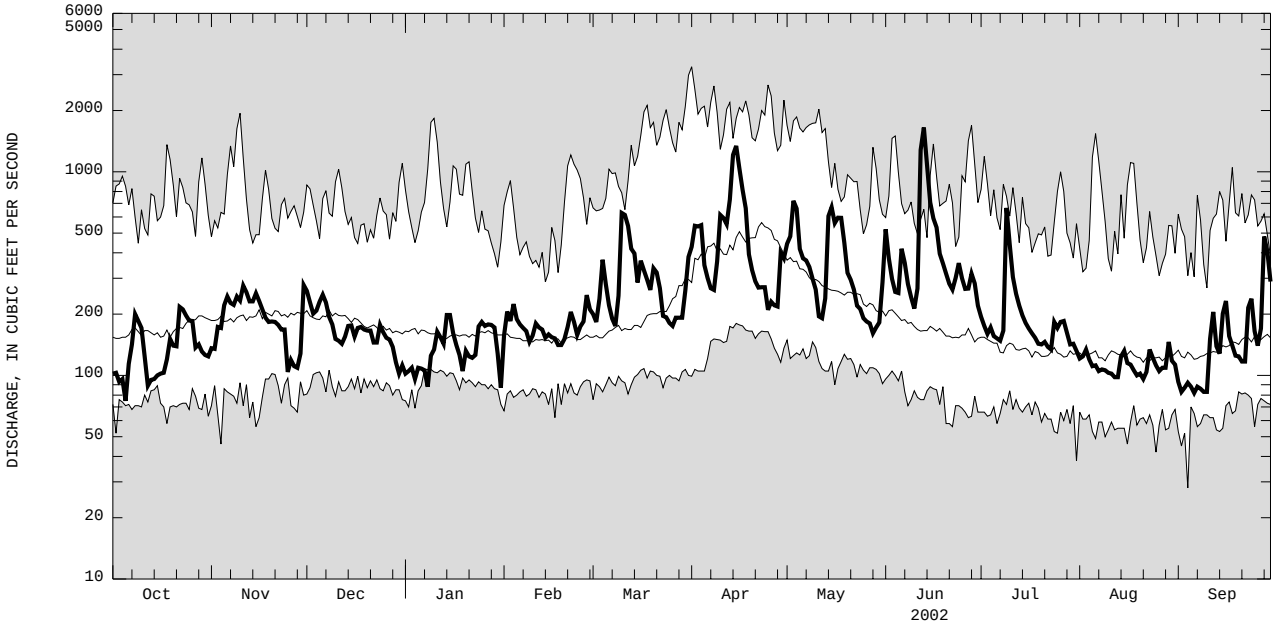
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	136	260	102	157	200	428	443	522	194	121	93
2	103	135	228	105	206	183	543	482	375	175	124	83
3	93	173	201	109	185	238	539	720	298	160	134	87
4	96	171	208	96	224	370	547	660	257	172	120	92
5	75	221	230	109	189	281	348	418	254	156	111	88
6	114	244	249	108	178	221	301	376	419	152	112	82
7	142	227	228	106	171	190	268	367	357	148	105	88
8	200	222	194	88	165	175	263	341	281	166	107	86
9	185	244	178	125	146	246	363	299	242	665	106	83
10	171	233	151	134	157	628	614	264	213	440	103	83
11	124	276	148	164	180	614	593	195	267	304	102	151
12	89	256	143	154	172	542	553	191	1280	252	98	205
13	95	231	155	143	168	419	731	239	1650	220	98	139
14	96	231	175	198	153	397	1210	606	1080	197	124	128
15	100	253	176	198	159	286	1340	670	708	181	132	201
16	102	232	155	161	154	366	1040	560	591	170	115	232
17	103	211	171	141	152	328	816	595	533	161	113	156
18	120	192	173	126	141	295	662	594	396	153	106	140
19	151	183	168	105	141	263	393	448	355	143	100	125
20	140	184	166	132	151	336	329	319	316	142	102	124
21	139	183	166	124	173	320	290	295	282	146	96	117
22	217	177	145	122	205	268	270	264	264	138	104	117
23	211	168	145	126	183	196	271	220	301	134	134	215
24	197	168	177	174	158	193	271	212	356	183	122	238
25	186	104	163	183	174	181	210	191	300	171	112	165
26	185	119	153	175	184	175	230	184	266	183	105	140
27	137	111	150	178	248	192	221	180	267	185	109	170
28	142	109	138	177	211	192	218	161	316	162	109	481
29	131	128	116	172	---	192	401	172	283	142	146	408
30	126	278	102	128	---	261	376	182	220	143	118	289
31	124	---	112	87	---	382	---	286	---	132	113	---
TOTAL	4196	5800	5324	4250	4885	9130	14639	11134	13249	6070	3501	4806
MEAN	135	193	172	137	174	295	488	359	442	196	113	160
MAX	217	278	260	198	248	628	1340	720	1650	665	146	481
MIN	75	104	102	87	141	175	210	161	213	132	96	82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2002, BY WATER YEAR (WY)

MEAN	194	219	203	194	169	274	549	335	205	158	147	159
MAX	540	446	401	502	409	637	890	948	540	393	350	322
(WY)	1978	1928	1928	1998	1981	1976	1960	1971	1947	1947	1981	1981
MIN	98.4	93.5	106	101	90.7	102	206	129	89.8	79.3	65.4	87.0
(WY)	1958	1935	1935	1961	1936	1940	1995	1941	1941	1941	1934	1941

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1925 - 2002	
ANNUAL TOTAL	79429		86984			
ANNUAL MEAN	218		238		234	
HIGHEST ANNUAL MEAN					364	1947
LOWEST ANNUAL MEAN					152	1965
HIGHEST DAILY MEAN	1690	Apr 23	1650	Jun 13	3280	Apr 1 1998
LOWEST DAILY MEAN	72	Aug 7	75	Oct 5	28	Sep 4 1934
ANNUAL SEVEN-DAY MINIMUM	81	Aug 6	86	Sep 4	55	Aug 5 1941
10 PERCENT EXCEEDS	338		423		413	
50 PERCENT EXCEEDS	162		180		174	
90 PERCENT EXCEEDS	97		105		104	

04270000 SALMON RIVER AT CHASM FALLS, NY--Continued



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.

04270200 LITTLE SALMON RIVER AT BOMBAY, NY

LOCATION.--Lat 44°56'24", long 74°33'24", Franklin County, Hydrologic Unit 04150307, on right bank 50 ft downstream from bridge on road to Fort Covington Center, 0.5 mi east of village of Bombay, and 7.2 mi upstream from mouth.
DRAINAGE AREA.--92.2 mi^2.
PERIOD OF RECORD.--August to November 1957, July 1958 to March 1995, April to September 2002. Occasional low-flow measurements, water years 1954-55, 1957.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 173.91 ft above NGVD of 1929. August to November 1957, at site 100 ft upstream at datum 0.72 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,250 ft^3/s, Apr. 4, 1974, gage height, 12.90 ft; minimum, 8.0 ft^3/s, Aug. 6, 7, 1965.
EXTREMES FOR CURRENT PERIOD.--April to September 2002: Peak discharges greater than base discharge of 900 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 1	0100	909	6.78	July 9	1200	1,360	8.16
June 12	2115	*1,920	*9.62				

Minimum discharge, 11 ft^3/s, Sept. 9, 10, 11, gage height, 1.84 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	246	544	76	38	15
2	---	---	---	---	---	---	---	303	183	68	35	14
3	---	---	---	---	---	---	---	470	120	63	34	14
4	---	---	---	---	---	---	---	280	96	57	32	13
5	---	---	---	---	---	---	---	183	119	54	31	13
6	---	---	---	---	---	---	---	146	420	53	31	12
7	---	---	---	---	---	---	---	125	191	52	29	13
8	---	---	---	---	---	---	---	120	120	60	28	12
9	---	---	---	---	---	---	---	108	97	e930	27	12
10	---	---	---	---	---	---	---	101	81	e300	26	11
11	---	---	---	---	---	---	---	90	158	147	25	13
12	---	---	---	---	---	---	---	83	1260	103	23	28
13	---	---	---	---	---	---	---	99	787	81	23	23
14	---	---	---	---	---	---	---	409	291	69	21	18
15	---	---	---	---	---	---	---	375	279	61	21	30
16	---	---	---	---	---	---	---	231	445	56	22	64
17	---	---	---	---	---	---	---	254	538	53	22	35
18	---	---	---	---	---	---	---	219	285	52	20	27
19	---	---	---	---	---	---	---	160	181	52	19	24
20	---	---	---	---	---	---	---	134	137	49	19	21
21	---	---	---	---	---	---	---	119	111	44	19	19
22	---	---	---	---	---	---	---	109	102	42	19	18
23	---	---	---	---	---	---	---	96	116	39	24	28
24	---	---	---	---	---	---	---	87	245	40	25	35
25	---	---	---	---	---	---	---	81	156	39	20	23
26	---	---	---	---	---	---	100	80	119	38	19	20
27	---	---	---	---	---	---	95	79	125	48	18	23
28	---	---	---	---	---	---	97	72	155	48	17	122
29	---	---	---	---	---	---	424	66	111	42	16	80
30	---	---	---	---	---	---	288	78	88	51	16	49
31	---	---	---	---	---	---	---	295	---	51	16	---
TOTAL	---	---	---	---	---	---	---	5298	7660	2918	735	829
MEAN	---	---	---	---	---	---	---	171	255	94.1	23.7	27.6
MAX	---	---	---	---	---	---	---	470	1260	930	38	122
MIN	---	---	---	---	---	---	---	66	81	38	16	11
CFSM	---	---	---	---	---	---	---	1.85	2.77	1.02	0.26	0.30
IN.	---	---	---	---	---	---	---	2.14	3.09	1.18	0.30	0.33

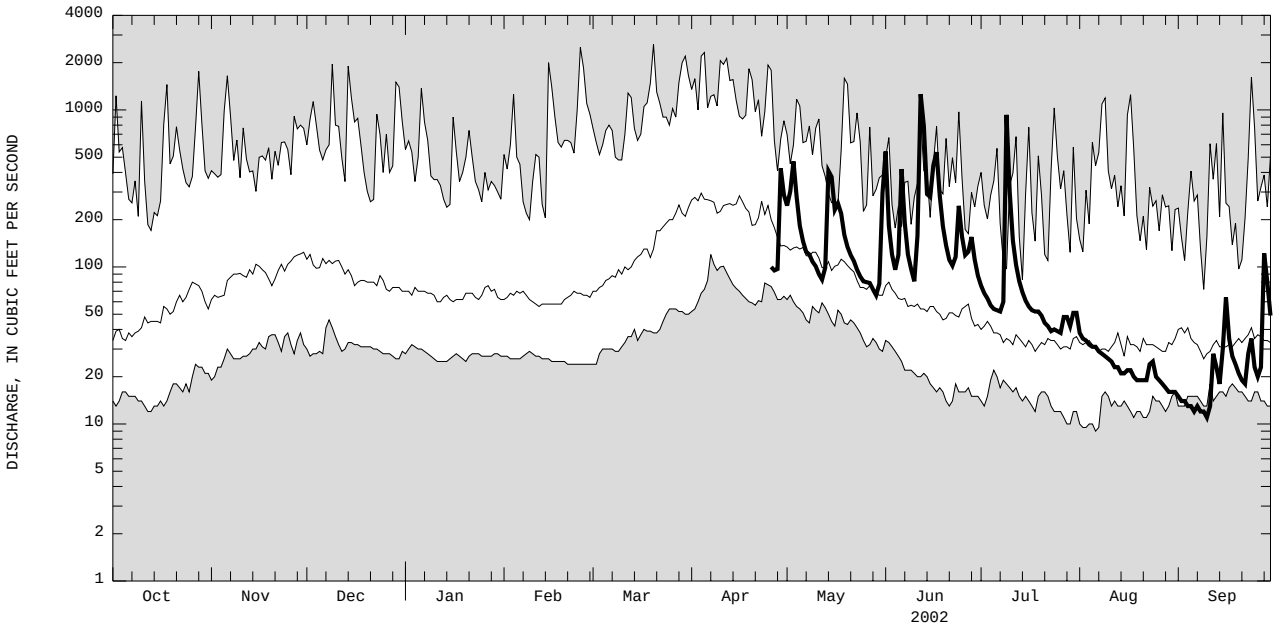
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2002, BY WATER YEAR (WY)

MEAN	81.7	129	127	92.0	104	215	317	138	82.8	53.2	53.2	50.4
MAX	297	273	309	191	315	386	920	315	255	174	218	233
(WY)	1978	1989	1984	1993	1984	1985	1993	1971	2002	1972	1981	1981
MIN	19.5	38.2	36.8	31.2	28.7	92.4	137	61.3	25.9	15.8	14.5	19.9
(WY)	1958	1979	1961	1961	1964	1960	1987	1980	1965	1965	1960	1960

SUMMARY STATISTICS	**WATER YEARS 1957 - 2002**	
ANNUAL MEAN	120	
HIGHEST ANNUAL MEAN	178	1973
LOWEST ANNUAL MEAN	75.9	1965
HIGHEST DAILY MEAN	2620	Mar 20 1986
LOWEST DAILY MEAN	9.0	Aug 6 1965
ANNUAL SEVEN-DAY MINIMUM	9.6	Aug 1 1965
ANNUAL RUNOFF (CFSM)	1.31	
ANNUAL RUNOFF (INCHES)	17.75	
10 PERCENT EXCEEDS	257	
50 PERCENT EXCEEDS	68	
90 PERCENT EXCEEDS	26	

e Estimated

04270200 LITTLE SALMON RIVER AT BOMBAY, NY--Continued



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.

04271500 GREAT CHAZY RIVER AT PERRY MILLS, NY

LOCATION.--Lat 45°00'00", long 73°30'05", Clinton County, Hydrologic Unit 02010006, on left bank 500 ft upstream from highway bridge at Perry Mills, and 7.5 mi upstream from Corbeau Creek.
DRAINAGE AREA.--243 mi^2.
PERIOD OF RECORD.--September 1928 to September 1968, March 1990 to current year. Water years 1985, 1987-89 (annual maximum only).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 164.93 ft above NGVD of 1929. April 1987 to February 1990, crest-stage gage at present site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. At flows greater than about 2,000 ft^3/s, significant undetermined amounts of flow bypass the gage. Records prior to October 1968 affected by diurnal fluctuation at low and medium flow by sawmill immediately upstream. Occasional regulation by Chazy Lake (usable capacity, about 765 mil ft^3) from which the Clinton Correctional Facility at Dannemora (Saranac River basin) obtains its water supply (about 1 ft^3/s). Several measurements of water temperature were made during the year. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,700 ft^3/s, Nov. 9, 1996, gage height, 12.24 ft; maximum gage height, 12.91 ft, Feb. 28, 2000 (ice jam), from floodmark in gage well; minimum discharge, about 0.8 ft^3/s, Sept. 18, 1932; minimum gage height, 1.22 ft, Sept. 6, 14, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 12	2215	*5,830	*9.56	June 16	1115	2,730	6.72

Minimum discharge, 16 ft^3/s, Sept. 8, 9; minimum gage height, 1.42 ft, Oct. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	133	176	e80	e100	e300	1160	1520	1960	235	74	32
2	23	105	150	e70	e120	e220	1330	1420	1010	202	82	30
3	22	83	116	e72	e180	e280	1020	1830	611	177	91	28
4	22	80	128	e72	e210	e400	1000	1260	420	157	78	29
5	22	83	164	e70	e190	e300	721	780	400	135	69	37
6	25	114	143	e76	e140	e270	571	598	1200	126	64	30
7	29	117	130	e74	e130	e220	458	608	836	121	64	22
8	33	103	112	e70	e120	e200	407	497	517	117	56	18
9	34	106	106	e76	e110	e320	431	415	394	362	50	17
10	33	104	92	e86	e110	935	829	345	312	439	46	18
11	30	108	90	e96	e120	862	768	288	574	249	43	29
12	27	115	87	e110	e120	615	656	254	4450	180	39	57
13	25	107	102	e120	e110	505	734	295	4400	150	37	64
14	24	99	122	e120	e100	468	1500	1550	2020	128	39	51
15	27	106	134	e120	e100	467	1490	1970	1450	121	44	49
16	26	121	103	e110	e100	470	1160	1160	2560	109	45	68
17	28	113	99	e100	e110	444	854	867	2220	104	45	68
18	35	76	125	e92	e110	390	926	830	1330	104	41	45
19	35	62	137	e82	e120	337	746	671	829	101	37	32
20	31	58	131	e78	e150	313	583	566	574	93	38	25
21	31	56	140	e78	e200	306	496	497	431	85	31	22
22	36	53	138	e80	e300	e250	436	442	362	79	36	21
23	56	52	110	e82	e250	e240	438	353	360	77	54	42
24	56	49	151	e90	e200	e230	456	302	498	76	67	77
25	46	50	147	e110	e190	e210	425	274	435	74	61	60
26	44	55	122	e130	e240	e200	369	235	350	67	54	41
27	80	49	e100	e150	e400	248	310	181	326	72	46	41
28	140	48	e92	e170	e360	268	285	165	527	80	41	319
29	62	53	e88	e150	---	326	859	152	401	79	38	254
30	77	101	e86	e130	---	684	1030	371	286	98	37	140
31	140	---	e84	e110	---	1230	---	1180	---	94	37	---
TOTAL	1324	2559	3705	3054	4690	12508	22448	21876	32043	4291	1584	1766
MEAN	42.7	85.3	120	98.5	168	403	748	706	1068	138	51.1	58.9
MAX	140	133	176	170	400	1230	1500	1970	4450	439	91	319
MIN	22	48	84	70	100	200	285	152	286	67	31	17

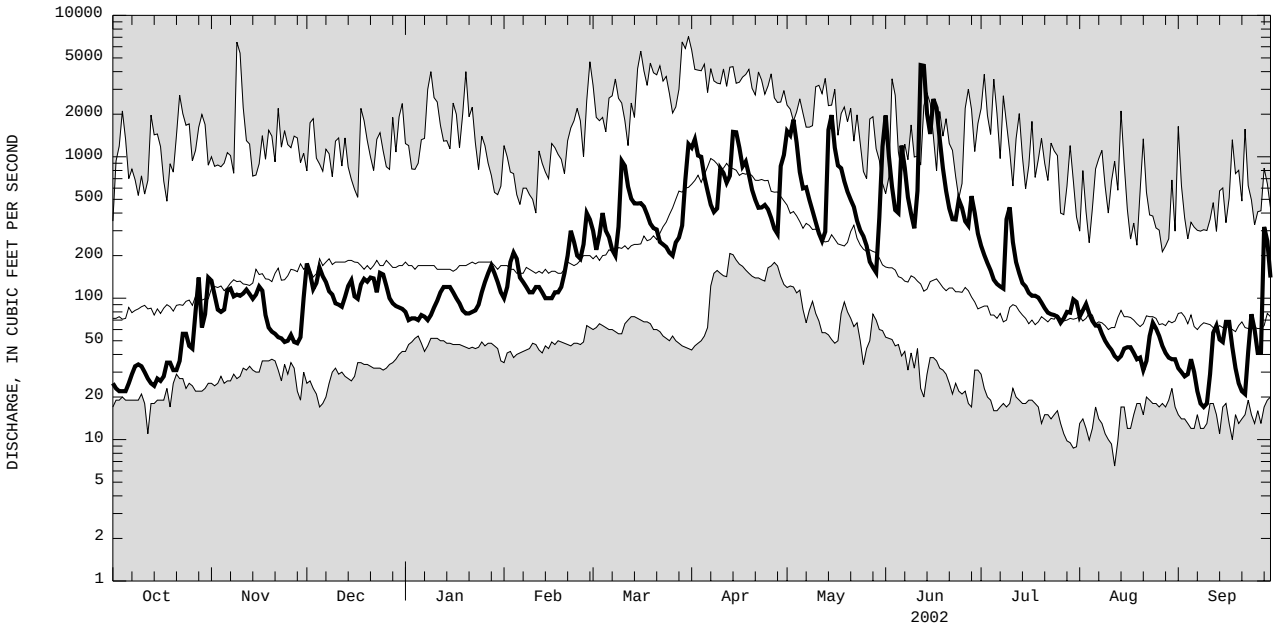
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

MEAN	144	213	206	253	214	498	946	389	214	126	87.9	85.1
MAX	589	910	568	775	553	1217	2377	969	1068	823	274	368
(WY)	1955	1997	1997	1930	1930	1936	1993	1947	2002	1947	1962	1954
MIN	22.3	35.8	41.1	51.7	46.5	70.5	236	97.2	43.5	23.1	26.2	20.2
(WY)	1967	1931	1967	1956	1956	1956	1995	1941	1941	1965	1966	1966

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1928 - 2002	
ANNUAL TOTAL	93229.6		111848			
ANNUAL MEAN	255		306		280	
HIGHEST ANNUAL MEAN					514	1947
LOWEST ANNUAL MEAN					97.2	1965
HIGHEST DAILY MEAN	4340	Apr 14	4450	Jun 12	7090	Mar 31 1998
LOWEST DAILY MEAN	6.5	Aug 12	17	Sep 9	6.5	Aug 12 2001
ANNUAL SEVEN-DAY MINIMUM	11	Aug 7	24	Oct 1	11	Aug 7 2001
10 PERCENT EXCEEDS	426		829		629	
50 PERCENT EXCEEDS	130		120		140	
90 PERCENT EXCEEDS	23		36		44	

e Estimated

04271500 GREAT CHAZY RIVER AT PERRY MILLS, NY--Continued



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.

04271815 LITTLE CHAZY RIVER NEAR CHAZY, NY

LOCATION.--Lat 44°54'08", long 73°24'56", Clinton County, Hydrologic Unit 02010006, on right bank at downstream side of bridge on Stetson Road, 0.2 mi upstream from abandoned dam, 1.4 mi northeast of Chazy, and 2.2 mi upstream from mouth.
DRAINAGE AREA.--50.3 mi^2.
PERIOD OF RECORD.--March 1990 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 115 ft above NGVD of 1929, from topographic map.
REMARKS.--Records poor. Some regulation at low flow by dams and reservoirs upstream from station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,750 ft^3/s, Nov. 10, 1996, gage height, 10.40 ft, outside gage height was 11.12 ft, from crest-stage gage; minimum discharge, 0.42 ft^3/s, Sept. 7, 8, 1991; minimum gage height, 1.36 ft, several days during August and September, 1991.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 13	0715	*1,200	*7.06	No other peak greater than base discharge.			

Minimum discharge, 0.44 ft^3/s, Oct. 4, gage height, 1.42 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.75	4.8	16	7.7	20	59	249	225	289	41	5.6	1.6
2	0.72	5.1	16	7.0	27	e48	260	242	271	36	5.1	1.5
3	0.79	5.3	15	6.9	27	57	246	269	200	31	5.0	1.5
4	0.70	5.2	14	7.1	26	76	217	269	135	28	5.4	1.4
5	1.0	5.3	14	6.5	24	65	182	206	127	23	5.4	1.3
6	1.3	7.4	14	7.1	21	55	142	150	230	21	5.0	1.3
7	1.6	8.3	15	7.8	19	48	113	121	210	19	4.4	1.2
8	1.8	8.1	12	7.2	18	42	93	98	141	19	3.8	1.2
9	2.6	9.0	11	6.8	e15	45	84	82	107	26	3.4	1.1
10	3.5	8.5	10	7.8	15	78	86	69	78	34	3.5	1.0
11	3.4	8.1	9.7	9.0	17	91	79	56	126	27	3.1	1.9
12	3.5	8.0	9.1	11	15	85	69	50	768	22	2.8	1.2
13	3.3	7.8	10	12	e14	72	64	62	1080	18	3.0	1.1
14	2.8	7.6	11	e11	13	66	119	211	579	15	2.7	1.2
15	4.5	7.9	13	e10	13	59	154	281	333	14	2.7	2.2
16	4.9	8.0	12	e10	16	56	135	263	382	12	2.5	1.3
17	5.3	7.5	12	e10	17	48	104	200	385	11	2.2	1.3
18	5.1	7.0	13	e9.8	e15	48	87	151	328	12	1.9	1.3
19	5.4	6.8	13	e9.6	e15	45	74	119	257	11	1.7	1.3
20	8.1	6.9	15	9.3	15	45	57	98	185	9.9	1.7	1.3
21	6.1	6.6	16	9.5	36	48	48	79	127	8.9	1.6	1.3
22	4.6	6.7	14	9.4	36	43	44	70	95	8.2	1.9	1.4
23	5.1	6.4	12	9.5	37	38	47	57	88	8.2	1.8	2.2
24	5.5	6.5	13	11	36	e36	48	49	93	7.3	1.6	1.2
25	6.1	7.8	13	14	36	e32	46	44	82	7.4	1.5	1.5
26	5.9	7.0	13	16	47	e33	50	40	73	6.6	1.5	2.2
27	5.9	6.4	12	19	71	39	51	37	67	5.9	1.5	7.8
28	5.8	6.2	10	20	e68	46	51	35	70	5.8	e1.6	35
29	5.2	7.6	9.6	21	---	56	179	34	61	5.7	1.6	55
30	4.6	12	9.1	20	---	128	234	76	50	6.9	1.6	38
31	4.3	---	8.7	e16	---	246	---	251	---	6.4	1.6	---
TOTAL	120.16	215.8	385.2	339.0	729	1933	3412	3994	7017	507.2	88.7	172.8
MEAN	3.88	7.19	12.4	10.9	26.0	62.4	114	129	234	16.4	2.86	5.76
MAX	8.1	12	16	21	71	246	260	281	1080	41	5.6	55
MIN	0.70	4.8	8.7	6.5	13	32	44	34	50	5.7	1.5	1.0
CFSM	0.08	0.14	0.25	0.22	0.52	1.24	2.26	2.56	4.65	0.33	0.06	0.11
IN.	0.09	0.16	0.28	0.25	0.54	1.43	2.52	2.95	5.19	0.38	0.07	0.13

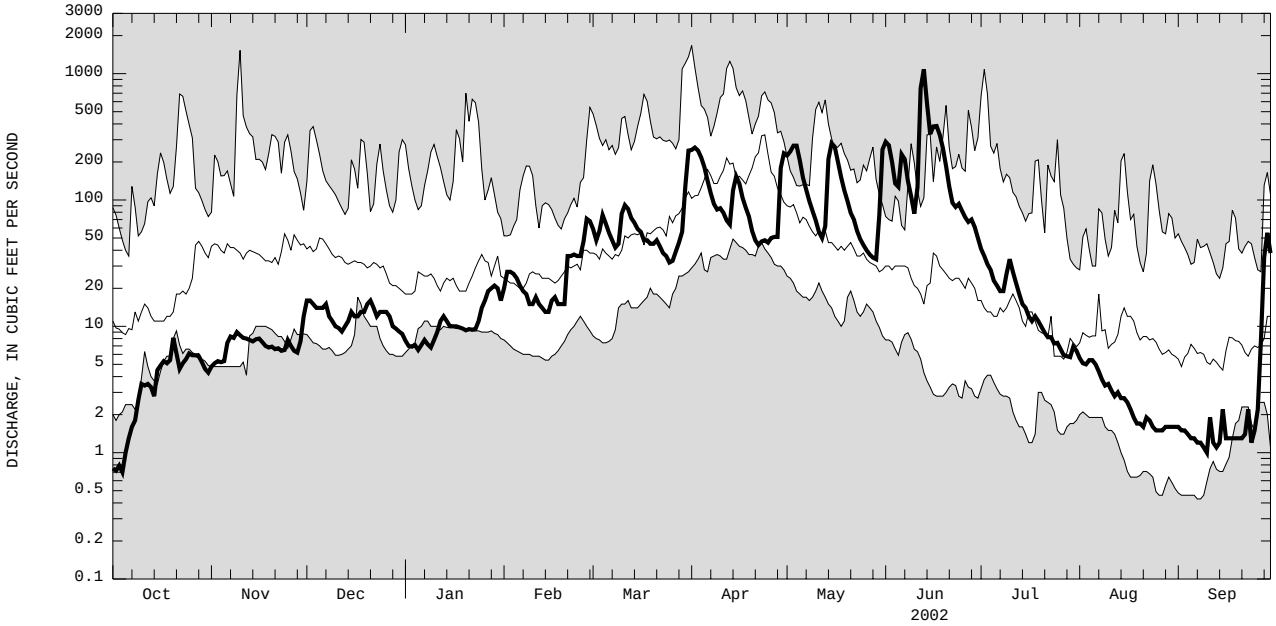
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	38.1	62.3	43.6	47.6	36.4	104	212	78.7	59.3	32.1	15.5	11.0
MAX	110	214	122	129	75.6	274	420	213	234	163	43.2	40.0
(WY)	1997	1997	1997	1995	1991	2000	1993	2000	2002	1998	1990	1998
MIN	3.88	7.19	10.5	10.9	7.45	20.8	43.4	15.7	4.93	2.81	1.15	1.42
(WY)	2002	2002	1992	2002	1992	1993	1995	1999	1999	1995	1991	1991

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	16955.56		18913.86			
ANNUAL MEAN	46.5		51.8		60.9	
HIGHEST ANNUAL MEAN					95.8	1998
LOWEST ANNUAL MEAN					28.1	1992
HIGHEST DAILY MEAN	1250	Apr 13	1080	Jun 13	1670	Apr 1 1998
LOWEST DAILY MEAN	0.70	Oct 4	0.70	Oct 4	0.43	Sep 7 1991
ANNUAL SEVEN-DAY MINIMUM	0.91	Sep 30	0.98	Oct 1	0.45	Sep 2 1991
ANNUAL RUNOFF (CFSM)	0.92		1.03		1.21	
ANNUAL RUNOFF (INCHES)	12.54		13.99		16.45	
10 PERCENT EXCEEDS	69		141		150	
50 PERCENT EXCEEDS	14		14		26	
90 PERCENT EXCEEDS	2.0		1.6		4.1	

e Estimated

04271815 LITTLE CHAZY RIVER NEAR CHAZY, NY--Continued



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.

04273500 SARANAC RIVER AT PLATTSBURGH, NY

LOCATION.--Lat 44°40'54", long 73°28'18", Clinton County, Hydrologic Unit 02010006, on right bank at Plattsburgh, 600 ft downstream from Imperial Paper and Color Corp. dam, 3.0 mi upstream from mouth, and 5.5 mi downstream from Mead Brook.
DRAINAGE AREA.--608 mi^2.
PERIOD OF RECORD.--March 1903 to September 1930, October 1943 to current year. Published as "near Plattsburgh," 1903-30.
REVISED RECORDS.--WSP 345: Drainage area. WSP 384: 1909-10 (monthly discharge only). WSP 1387: 1907-8. WSP 1437: 1908 (minimum daily only).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 155.74 ft above NGVD of 1929. Prior to Nov. 12, 1919, nonrecording gage, and Nov. 12, 1919 to Sept. 30, 1930, water-stage recorder, at site 1.5 mi upstream at different datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Considerable diurnal fluctuation caused by power and industrial operations. Slight regulation by storage in Upper and Lower Saranac Lakes. During the year, the city of Plattsburgh diverted an average of 4.50 ft^3/s from Saranac River and Mead and West Brooks, tributaries upstream from station, for municipal supply. About 1 ft^3/s diverted from Great Chazy River basin into Saranac River for water supply of State Institutions at Dannemora. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,400 ft^3/s, Nov. 9, 1996, gage height, 12.11 ft; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,430 ft^3/s, June 12, gage height, 7.64 ft; minimum, 143 ft^3/s, Aug. 20, gage height, 2.40 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	417	426	830	367	621	788	1890	2190	1400	1870	553	263
2	417	426	930	390	e600	767	1970	2220	1190	1700	528	260
3	402	417	723	513	831	816	1890	2570	1100	1420	394	256
4	330	457	583	423	1120	1030	2030	2250	1090	1230	556	250
5	343	513	529	405	799	686	1720	1950	1190	1100	517	240
6	344	634	610	439	521	811	1580	1790	1490	1140	468	264
7	362	699	546	502	805	912	1450	1680	1420	958	457	228
8	352	539	603	430	e580	816	1400	1540	1210	1030	519	240
9	330	460	579	399	e600	957	1410	1430	878	1570	420	231
10	336	475	499	528	e540	1510	2060	1420	616	1380	351	255
11	326	545	512	653	551	1330	1940	1290	852	1210	399	259
12	326	581	518	598	e680	1600	1880	1170	3630	875	411	330
13	322	523	529	524	e600	1480	2130	1240	3380	595	411	274
14	322	492	582	437	406	1430	3520	2410	1900	514	390	281
15	354	529	624	440	664	1440	3400	2380	1810	497	408	413
16	353	563	547	e470	880	1540	3160	1960	2800	399	369	524
17	373	514	518	e490	597	1520	2950	2040	2280	455	335	526
18	355	460	607	463	e580	1450	2700	2120	1930	388	307	554
19	307	454	555	e440	568	1360	2490	2000	1670	357	299	490
20	353	465	574	402	630	1280	2230	1870	1550	374	273	447
21	357	454	554	432	696	1240	1970	1760	1460	366	259	436
22	452	450	427	456	906	1110	1740	1640	1340	366	298	432
23	543	466	377	520	601	1030	1680	1550	1500	518	321	551
24	515	422	483	725	511	949	1630	1440	1700	555	288	576
25	500	435	466	642	804	775	1530	1350	1830	520	281	498
26	545	468	480	541	871	709	1490	1240	1750	635	273	448
27	509	493	470	566	938	797	1420	1170	1600	666	248	592
28	474	489	406	561	742	1010	1360	1100	1840	618	288	1440
29	454	543	410	691	---	1030	1780	1050	2190	729	280	1170
30	397	811	370	517	---	1020	1810	1100	2040	552	272	1000
31	416	---	382	408	---	1490	---	880	---	558	266	---
TOTAL	12186	15203	16823	15372	19242	34683	60210	51800	50636	25145	11439	13728
MEAN	393	507	543	496	687	1119	2007	1671	1688	811	369	458
MAX	545	811	930	725	1120	1600	3520	2570	3630	1870	556	1440
MIN	307	417	370	367	406	686	1360	880	616	357	248	228

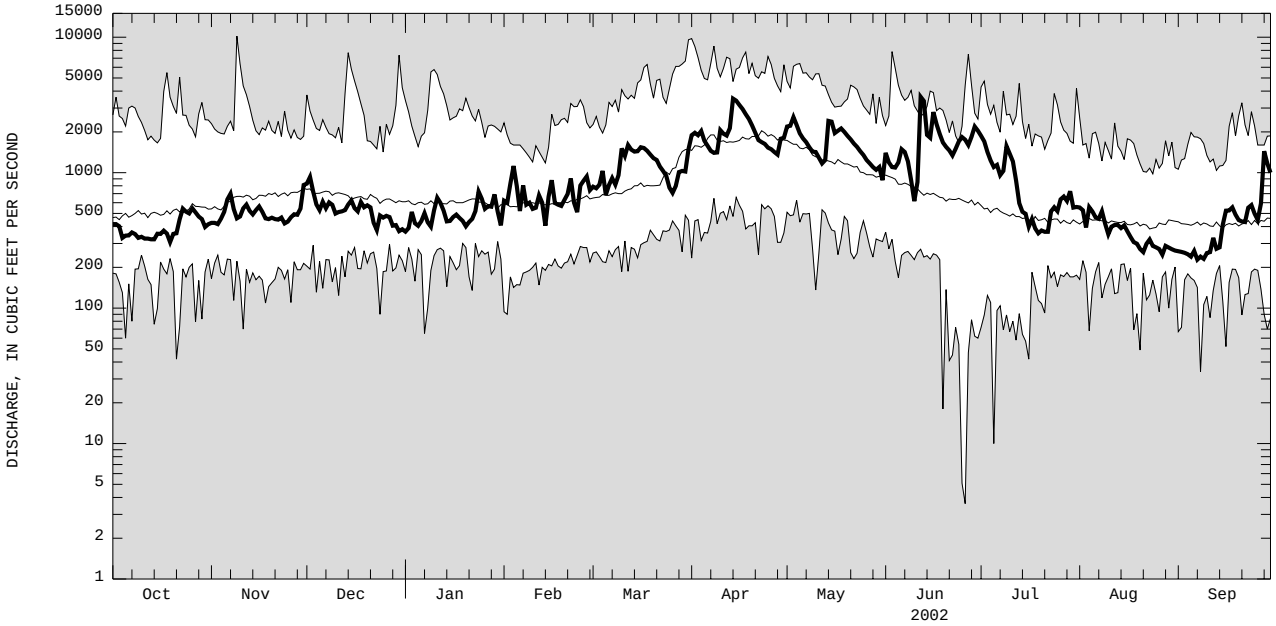
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2002, BY WATER YEAR (WY)

MEAN	621	733	730	697	661	1094	2005	1382	814	571	473	490
MAX	2162	1971	2071	2176	1372	2487	3626	3687	2757	1820	1045	1220
(WY)	1978	1997	1984	1998	1981	1921	1993	1971	1947	1947	1986	1905
MIN	250	239	309	302	304	434	698	518	313	190	266	204
(WY)	1965	1923	1909	1923	1961	1967	1957	1903	1999	1979	1911	1968

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1903 - 2002	
ANNUAL TOTAL	290255		326467			
ANNUAL MEAN	795		894		856	
HIGHEST ANNUAL MEAN					1458	1947
LOWEST ANNUAL MEAN					460	1965
HIGHEST DAILY MEAN	5560	Apr 23	3630	Jun 12	10200	Nov 9 1996
LOWEST DAILY MEAN	238	Aug 7	228	Sep 7	3.6	Jun 26 1979
ANNUAL SEVEN-DAY MINIMUM	260	Aug 10	244	Sep 4	38	Jun 21 1979
10 PERCENT EXCEEDS	1440		1870		1650	
50 PERCENT EXCEEDS	545		580		640	
90 PERCENT EXCEEDS	337		336		325	

e Estimated

04273500 SARANAC RIVER AT PLATTSBURGH, NY--Continued



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.

04273700 SALMON RIVER AT SOUTH PLATTSBURGH, NY

LOCATION.--Lat 44°38'24", long 73°29'43", Clinton County, Hydrologic Unit 02010004, on left bank 32 ft upstream from bridge on Salmon River Road, 0.4 mi west of State Highway 22, and 3.9 mi upstream from mouth, at South Plattsburgh.
DRAINAGE AREA.--63.3 mi^2.
PERIOD OF RECORD.--May 1959 to September 1968 (no winter records prior to October 1965), March 1990 to current year. Occasional low-flow measurements, water years 1954, 1957-58. Annual maximum, water years 1969-86.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 220.53 ft above NGVD of 1929. October 1968 to September 1986, crest-stage gage at present site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft^3/s, Nov. 9, 1996, gage height, 7.56 ft, from floodmark in gage well; minimum discharge, 3.0 ft^3/s, Sept. 17, 1967.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 12	1215	*1,120	a*4.45	June 15	2245	526	3.37

a Recorded; outside gage height was 4.79 ft, from crest-stage gage.

Minimum discharge, 9.5 ft^3/s, Sept. 9, 10, 11, gage height, 0.39 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	20	33	e22	e50	e50	163	222	104	43	19	13
2	14	20	26	e21	e60	e47	172	275	59	37	23	13
3	13	21	23	e21	e56	e60	146	289	44	33	23	12
4	13	20	23	e20	e42	e80	135	163	37	30	19	13
5	13	22	24	e20	e33	e70	104	116	49	26	18	12
6	15	24	27	e22	e29	e60	84	91	76	25	17	10
7	16	21	25	e23	e26	e50	69	80	54	25	16	11
8	16	20	22	e24	e25	e45	61	70	42	32	16	11
9	15	20	e20	e26	e24	e44	62	62	38	191	15	10
10	15	20	e19	e28	e23	139	75	58	33	79	16	9.9
11	14	20	e19	e30	e22	101	70	51	81	46	15	12
12	14	20	e20	e32	e22	79	63	50	861	35	14	16
13	15	20	e21	e31	e21	67	67	82	486	31	14	13
14	14	20	e24	e29	e21	64	199	380	178	27	14	13
15	19	21	e26	e27	e22	63	178	242	237	25	14	25
16	19	21	e24	e26	e23	72	129	136	401	23	14	27
17	18	19	e25	e24	e24	66	92	121	262	24	13	18
18	18	19	e26	e24	e24	61	74	99	151	24	13	16
19	17	19	e26	e24	e23	55	62	81	105	24	12	14
20	17	20	e25	e25	e24	53	51	71	79	22	12	14
21	19	19	e25	e28	e36	53	47	65	62	20	12	14
22	30	18	e22	e35	e50	e41	45	59	80	20	13	14
23	23	18	e21	e39	e56	e39	54	53	109	33	18	30
24	19	18	e22	e45	e42	e37	63	48	119	35	16	23
25	21	19	e23	e50	e38	e35	58	45	73	24	15	17
26	22	20	e23	e48	e43	e36	58	43	62	22	13	16
27	21	20	e21	e44	e70	e43	52	41	69	28	12	32
28	19	19	e22	e39	e54	e50	60	37	126	25	12	117
29	18	24	e22	e34	---	e62	242	35	73	24	12	41
30	18	41	e22	e31	---	109	172	35	50	23	14	29
31	17	---	e23	e29	---	145	---	75	---	20	13	---
TOTAL	536	623	724	921	983	1976	2907	3275	4200	1076	467	615.9
MEAN	17.3	20.8	23.4	29.7	35.1	63.7	96.9	106	140	34.7	15.1	20.5
MAX	30	41	33	50	70	145	242	380	861	191	23	117
MIN	13	18	19	20	21	35	45	35	33	20	12	9.9
CFSM	0.27	0.33	0.37	0.47	0.55	1.01	1.53	1.67	2.21	0.55	0.24	0.32
IN.	0.31	0.37	0.43	0.54	0.58	1.16	1.71	1.92	2.47	0.63	0.27	0.36

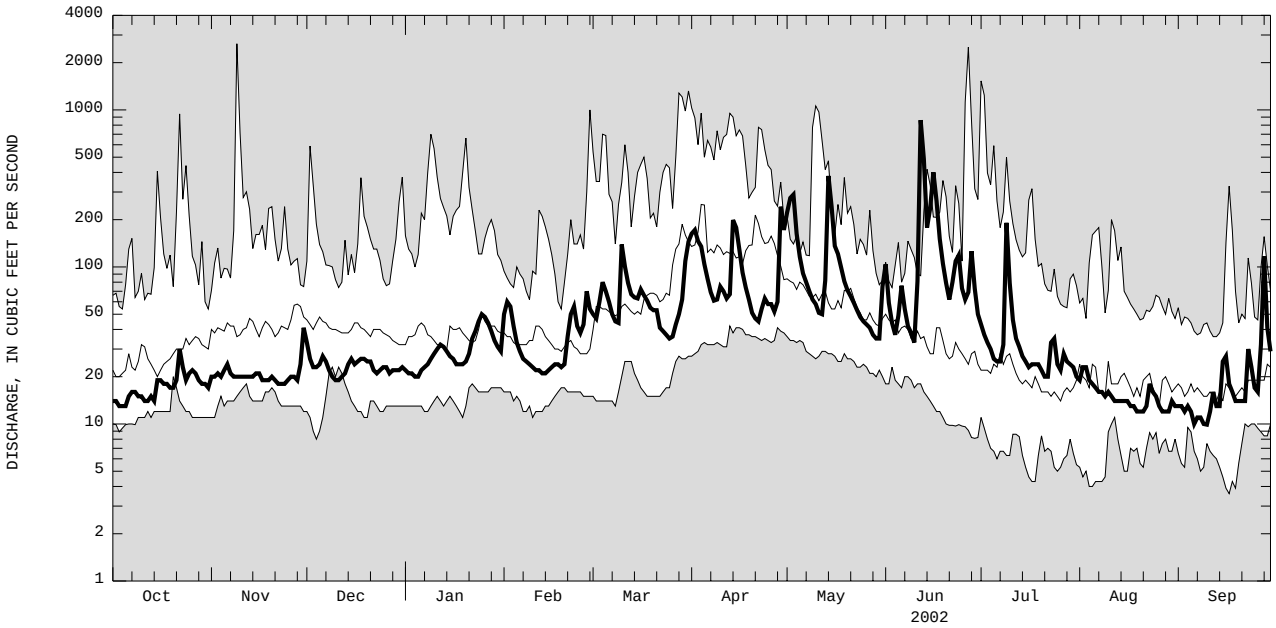
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2002, BY WATER YEAR (WY)

MEAN	38.1	55.1	47.6	55.6	45.1	109	183	81.3	61.9	38.8	24.2	21.4
MAX	87.9	202	112	144	98.9	229	364	219	271	249	63.8	54.7
(WY)	1996	1997	1997	1998	2000	1998	1993	2000	1998	1998	1998	1998
MIN	11.7	14.3	14.0	21.5	15.2	22.1	42.2	29.2	17.7	7.16	7.82	10.1
(WY)	1967	1967	1967	1967	1967	1967	1995	1995	1999	1966	1966	1966

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1966 - 2002	
ANNUAL TOTAL	20462.0		18303.9			
ANNUAL MEAN	56.1		50.1		63.2	
HIGHEST ANNUAL MEAN					121	1998
LOWEST ANNUAL MEAN					28.0	1967
HIGHEST DAILY MEAN	951	Apr 13	861	Jun 12	2640	Nov 9 1996
LOWEST DAILY MEAN	9.4	Aug 16	9.9	Sep 10	3.6	Sep 17 1967
ANNUAL SEVEN-DAY MINIMUM	11	Aug 10	11	Sep 5	4.5	Sep 14 1967
ANNUAL RUNOFF (CFSM)	0.89		0.79		1.00	
ANNUAL RUNOFF (INCHES)	12.03		10.76		13.56	
10 PERCENT EXCEEDS	77		102		121	
50 PERCENT EXCEEDS	25		26		35	
90 PERCENT EXCEEDS	13		14		13	

e Estimated

04273700 SALMON RIVER AT SOUTH PLATTSBURGH, NY--Continued



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.

04273800 LITTLE AUSABLE RIVER NEAR VALCOUR, NY

LOCATION.--Lat 44°35'39", long 73°29'48", Clinton County, Hydrologic Unit 02010004, on left bank at upstream side of bridge on Fuller Road, 2.8 mi southwest of Valcour, and 2.9 mi upstream from mouth.
DRAINAGE AREA.--67.8 mi^2.
PERIOD OF RECORD.--Occasional low-flow measurements, water years 1956-1961, 1966, 1973-1974. October 1991 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 260 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,210 ft^3/s, June 27, 1998, gage height, 13.78 ft, outside gage height was about 14.6 ft, from floodmark, from rating curve extended above 3,300 ft^3/s on basis of peak flow from contracted-opening measurement at site 0.4 mi upstream; minimum discharge, 1.4 ft^3/s, July 23, 1999; minimum gage height, 0.92 ft, Sept. 5, 2002.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 12	1245	*461	*3.16				

Minimum discharge, 2.0 ft^3/s, Sept. 5, gage height, 0.92 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e8.4	13	29	e16	e32	e38	125	174	41	44	13	12
2	e7.5	14	24	e16	e46	e43	134	182	33	35	15	5.9
3	7.9	16	21	e16	e37	e48	121	191	28	29	14	8.1
4	7.1	15	19	e16	e32	e54	106	152	26	24	12	3.5
5	6.2	15	18	e16	e27	e60	84	106	29	21	12	2.5
6	6.9	17	20	e17	e23	e48	69	79	36	19	12	2.8
7	7.9	16	19	e18	e20	e41	59	67	43	18	10	3.1
8	9.9	16	16	e19	e18	e38	50	59	40	20	8.9	3.4
9	8.4	15	15	e20	e18	e46	47	55	31	50	8.5	3.3
10	8.6	16	15	e22	e17	e64	46	55	26	48	7.9	3.0
11	8.5	16	16	e23	e16	e90	45	45	46	39	7.3	3.7
12	8.4	15	16	e23	e16	e74	40	43	325	30	11	5.0
13	8.2	16	17	e23	e16	e64	44	64	352	23	5.9	5.3
14	8.1	14	18	e22	e17	e62	117	214	159	20	5.5	5.2
15	10	15	20	e21	e17	60	160	225	134	19	9.1	18
16	11	15	e19	e19	e18	61	137	136	227	23	7.8	28
17	11	14	e18	e18	e18	60	96	95	211	17	6.9	22
18	11	13	19	e16	e18	57	70	75	122	17	5.9	16
19	11	16	18	e16	e19	53	57	65	83	16	5.3	12
20	11	14	19	e16	e23	51	49	56	59	16	4.9	11
21	12	13	20	e16	e37	49	44	52	46	15	4.3	9.1
22	20	13	e18	e17	e60	e44	43	48	57	14	5.1	8.4
23	18	13	e17	e20	e52	e41	50	43	71	15	8.0	17
24	14	13	e16	e28	e44	e38	58	41	87	18	8.7	19
25	15	14	e17	e39	e37	e36	55	35	59	17	8.4	15
26	16	16	e18	e36	e46	33	53	35	53	14	7.1	12
27	15	15	e17	e33	e56	42	50	31	62	14	6.4	21
28	13	14	e16	e30	e45	52	54	28	99	16	5.4	52
29	13	18	e16	e26	---	64	157	29	82	17	5.6	42
30	13	32	e17	e24	---	80	176	29	58	17	7.0	29
31	13	---	e17	e22	---	106	---	34	---	15	7.2	---
TOTAL	339.0	462	565	664	825	1697	2396	2543	2725	700	256.1	398.3
MEAN	10.9	15.4	18.2	21.4	29.5	54.7	79.9	82.0	90.8	22.6	8.26	13.3
MAX	20	32	29	39	60	106	176	225	352	50	15	52
MIN	6.2	13	15	16	16	33	40	28	26	14	4.3	2.5
CFSM	0.16	0.23	0.27	0.32	0.43	0.81	1.18	1.21	1.34	0.33	0.12	0.20
IN.	0.19	0.25	0.31	0.36	0.45	0.93	1.31	1.40	1.50	0.38	0.14	0.22

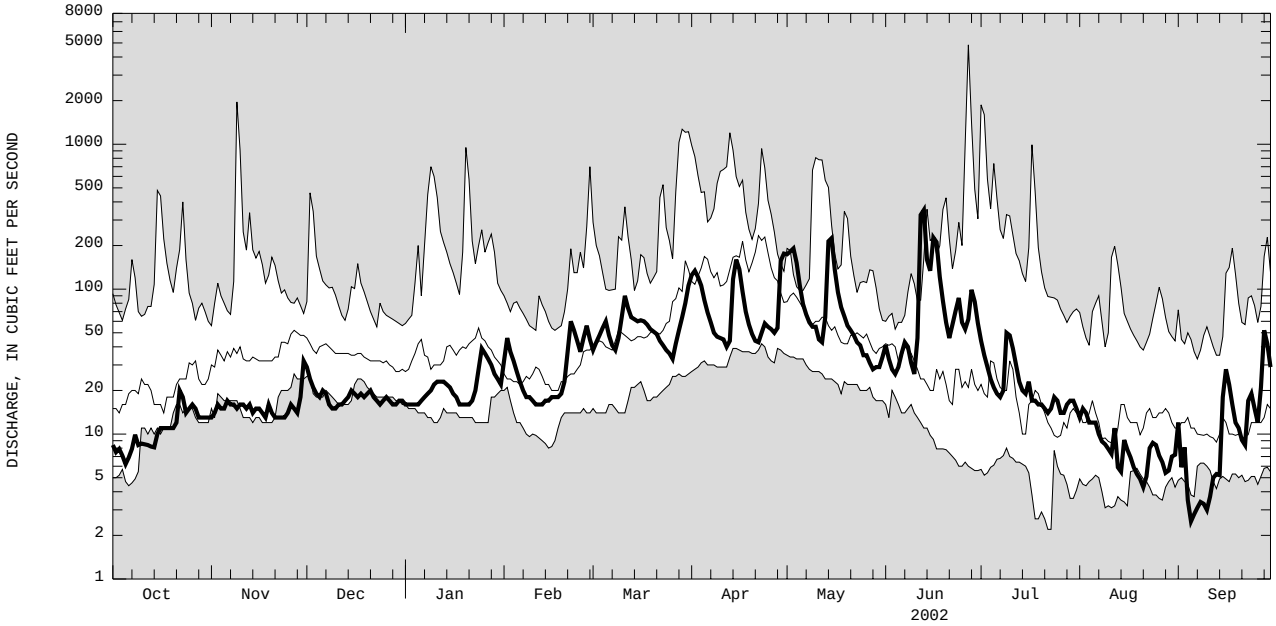
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2002, BY WATER YEAR (WY)

MEAN	33.8	52.6	39.4	56.1	38.4	90.0	177	77.5	71.2	49.3	18.2	18.9
MAX	103	171	103	147	69.6	251	329	204	370	333	66.0	64.1
(WY)	1999	1997	1997	1998	2000	1998	1993	2000	1998	1998	1998	1998
MIN	10.9	15.4	18.2	15.5	15.1	23.3	36.9	26.5	12.1	8.21	7.53	6.58
(WY)	2002	2002	2002	1994	1992	2001	1995	1995	1999	1992	2001	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	17039.3		13570.4			
ANNUAL MEAN	46.7		37.2		60.1	
HIGHEST ANNUAL MEAN					136	1998
LOWEST ANNUAL MEAN					26.3	1995
HIGHEST DAILY MEAN	1200	Apr 13	352	Jun 13	4850	Jun 27 1998
LOWEST DAILY MEAN	3.1	Aug 9	2.5	Sep 5	2.2	Jul 22 1999
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug 9	3.1	Sep 4	2.7	Jul 17 1999
ANNUAL RUNOFF (CFSM)	0.69		0.55		0.89	
ANNUAL RUNOFF (INCHES)	9.35		7.45		12.05	
10 PERCENT EXCEEDS	66		74		113	
50 PERCENT EXCEEDS	19		19		30	
90 PERCENT EXCEEDS	6.9		8.1		8.9	

e Estimated

04273800 LITTLE AUSABLE RIVER NEAR VALCOUR, NY--Continued



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.

04275500 AUSABLE RIVER NEAR AU SABLE FORKS, NY

LOCATION.--Lat 44°27'05", long 73°38'35", Clinton County, Hydrologic Unit 02010004, on left bank 1.8 mi downstream from confluence of East and West Branches, and 1.8 mi east of Au Sable Forks.
DRAINAGE AREA.--446 mi^2.
PERIOD OF RECORD.--August 1910 to September 1968, March 1990 to current year. Prior to October 1924, published as "at Au Sable Forks". Monthly discharge only for winter periods during 1911 and 1913 water years, published in WSP 1307.
REVISED RECORDS.--WSP 1307: 1911-19 (M), 1922-24 (M).
GAGE.--Water-stage recorder. Datum of gage is 505.65 ft above NGVD of 1929. Prior to Oct. l, 1924, chain gage at site 1.5 mi upstream at different datum.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Occasional regulation by Fern Lake and Taylor Pond in Black Brook basin and Upper and Lower Ausable Lakes. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,400 ft^3/s, Nov. 9, 1996, gage height, 13.83 ft, from rating curve extended above 13,000 ft^3/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 3.9 mi downstream; maximum gage height, at least 14.5 ft, 200 ft upstream from gage, Mar. 13, 1990 (ice jam); minimum discharge, practically no flow July 21, 1912, result of unusual regulation.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 23, 1990 (ice jam), reached a stage of 14.5 ft, from floodmark 200 ft upstream from gage.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 14	0900	*10,800	*7.94	May 14	0030	7,830	6.87

Minimum discharge, 85 ft^3/s, Sept. 10, 11, gage height, 1.02 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	266	1630	e220	e700	548	1180	1380	1010	739	310	108
2	205	315	1050	e230	e1000	470	1220	1380	726	590	254	101
3	182	427	720	e220	e900	554	1180	1790	545	485	224	100
4	168	463	548	e210	e800	1060	1390	1350	449	415	199	97
5	155	440	476	e200	e680	731	1030	1120	491	360	181	92
6	154	404	454	e190	e600	606	842	1140	765	330	175	91
7	170	350	414	e200	e580	512	677	1340	634	303	163	89
8	185	345	366	e210	e560	440	669	1270	495	294	155	89
9	179	353	334	e220	e520	496	752	954	425	405	146	88
10	171	365	307	e240	e460	2630	2930	887	376	362	137	86
11	167	351	300	e270	e440	1760	1920	779	386	287	129	96
12	166	320	270	e250	e430	1210	1600	661	1650	255	123	126
13	162	276	282	e210	e420	932	3120	2080	2050	231	121	124
14	156	280	305	e190	e400	803	8690	5860	1130	215	119	112
15	168	288	342	e180	e420	803	6000	3090	973	203	116	228
16	245	454	283	e170	e430	1190	4910	2080	1510	194	114	337
17	235	573	325	e160	e420	1160	4800	2430	1330	191	113	300
18	307	423	329	e160	e410	935	3930	1860	1050	198	109	207
19	281	356	292	e150	e380	770	2720	1430	806	311	105	167
20	246	342	281	e170	e440	680	2120	1190	646	276	106	145
21	248	368	277	e180	e680	622	1390	1000	535	225	103	134
22	687	326	e230	e200	e880	505	1050	878	1480	198	108	133
23	577	295	e210	e240	e740	498	912	708	2470	221	132	542
24	477	277	e240	e290	e640	480	846	715	1590	293	129	499
25	365	269	e300	e500	e560	441	809	716	1020	249	120	299
26	426	481	e280	e450	e620	415	806	630	859	210	113	219
27	383	504	e270	e380	e800	458	697	624	1200	207	107	232
28	328	421	e260	e390	e580	497	669	635	2740	203	102	1790
29	285	398	e250	e400	---	490	1200	500	1670	463	100	848
30	260	907	e240	e410	---	653	1230	535	997	501	111	494
31	248	---	e230	e340	---	1030	---	628	---	458	117	---
TOTAL	8226	11637	12095	7830	16490	24379	61289	41640	32008	9872	4341	7973
MEAN	265	388	390	253	589	786	2043	1343	1067	318	140	266
MAX	687	907	1630	500	1000	2630	8690	5860	2740	739	310	1790
MIN	154	266	210	150	380	415	669	500	376	191	100	86
CFSM	0.59	0.87	0.87	0.57	1.32	1.76	4.58	3.01	2.39	0.71	0.31	0.60
IN.	0.69	0.97	1.01	0.65	1.38	2.03	5.11	3.47	2.67	0.82	0.36	0.67

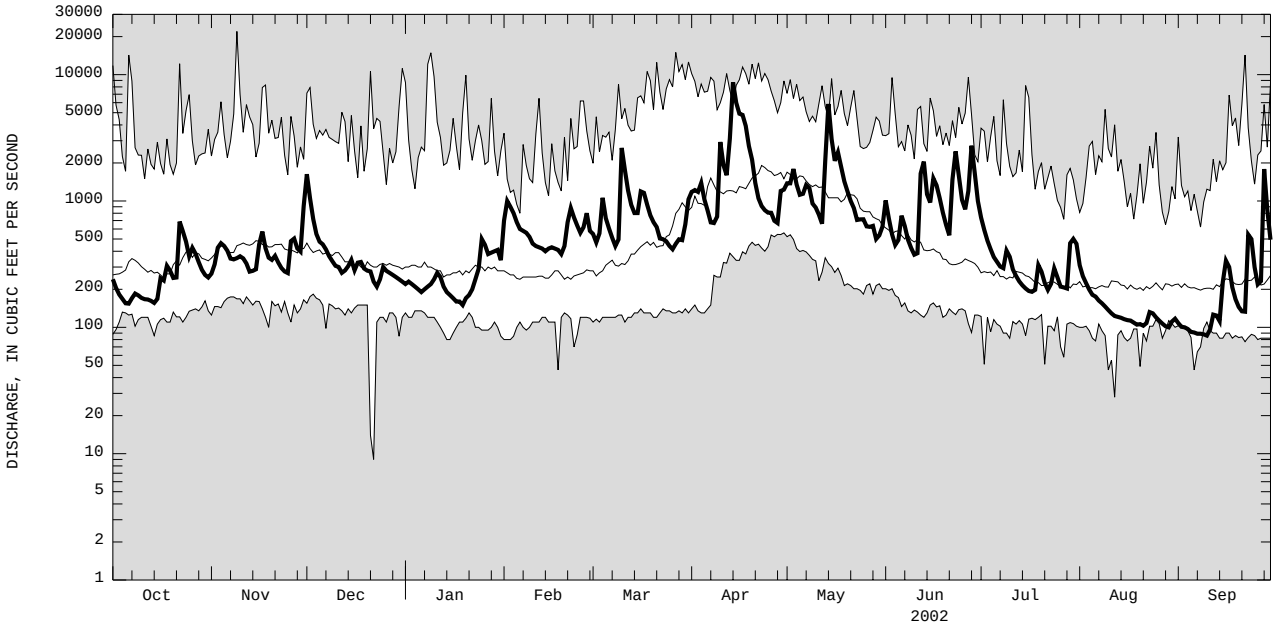
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2002, BY WATER YEAR (WY)

MEAN	493	607	519	454	364	848	1894	1388	625	359	284	336
MAX	1637	1729	1659	1968	1010	3288	3436	3101	1905	1444	718	1255
(WY)	1919	1928	1921	1998	1925	1921	1960	1947	1998	1947	1943	1938
MIN	175	229	169	132	118	167	600	359	182	150	99.4	96.5
(WY)	1915	1940	1923	1918	1931	1940	1995	1921	1941	1965	1923	1921

e Estimated

04275500 AUSABLE RIVER NEAR AU SABLE FORKS, NY--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1910 - 2002	
ANNUAL TOTAL	241680		237780			
ANNUAL MEAN	662		651		683	
HIGHEST ANNUAL MEAN					1087	1947
LOWEST ANNUAL MEAN					380	1965
HIGHEST DAILY MEAN	10200	Apr 24	8690	Apr 14	22000	Nov 9 1996
LOWEST DAILY MEAN	111	Sep 17	86	Sep 10	9.0	Dec 22 1912
ANNUAL SEVEN-DAY MINIMUM	114	Sep 14	90	Sep 5	72	Aug 8 1923
ANNUAL RUNOFF (CFSM)	1.48		1.46		1.53	
ANNUAL RUNOFF (INCHES)	20.16		19.83		20.81	
10 PERCENT EXCEEDS	1320		1340		1510	
50 PERCENT EXCEEDS	300		405		354	
90 PERCENT EXCEEDS	164		134		165	



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.

04276500 BOUQUET RIVER AT WILLSBORO, NY

LOCATION.--Lat 44°21'30", long 73°23'50", Essex County, Hydrologic Unit 02010004, on right bank 0.5 mi upstream from bridge on State Highway 22, 2.5 mi downstream from North Branch Bouquet River, and 3.0 mi upstream from mouth, at Willsboro.
DRAINAGE AREA.--270 mi^2.
PERIOD OF RECORD.--August to September 1904 and August to November 1908 (gage heights and discharge measurements only), July 1923 to September 1968, March 1990 to current year. Water years 1980, 1985, 1987-89 (annual maximum only).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 150.88 ft above NGVD of 1929. Prior to November 1908, staff gages at site 0.75 mi downstream at various datums. July 23 to Aug. 28, 1923, staff gage at site 600 ft downstream at present datum. May 1987 to February 1990, crest-stage gage at present site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional diurnal fluctuation at low flow caused by powerplant at Wadhams. Slight regulation by Lincoln Pond on Black River. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,300 ft^3/s, Nov. 9, 1996, gage height, 10.93 ft, from floodmark in gage well; maximum gage height, 11.49 ft, from floodmark in gage well, Feb. 27, 2000 (ice jam); minimum discharge, 8.8 ft^3/s, Sept. 20, 1957, gage height, 1.84 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 14	2015	3,510	6.32	May 14	1000	*3,800	*6.53

Minimum discharge, 30 ft^3/s, Sept. 8, 9-10, 11, gage height, 2.07 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	71	455	e90	e200	e300	843	661	366	224	73	53
2	79	71	337	e88	e260	e280	905	690	295	189	110	46
3	74	81	214	e88	e320	e260	684	949	218	164	98	41
4	71	82	164	e86	e320	e700	752	715	189	142	69	40
5	56	87	143	e84	e280	e1000	578	567	187	129	64	39
6	51	94	126	e82	e240	e820	463	503	222	115	61	36
7	59	98	117	e84	e210	e640	375	497	215	108	56	34
8	53	90	111	e84	e180	e500	339	466	185	117	54	31
9	53	88	103	e86	e150	251	319	381	166	134	53	30
10	54	89	100	e94	e130	831	782	338	149	131	50	30
11	53	90	94	e110	e120	864	777	307	146	110	49	33
12	57	89	83	e130	e120	510	596	272	352	95	46	39
13	53	85	110	e130	e110	373	787	671	594	87	47	48
14	52	77	109	e120	e110	309	2660	3410	363	84	53	43
15	54	83	113	e120	e100	305	2180	1850	300	75	47	51
16	56	89	106	e110	e100	329	1490	1010	651	80	44	82
17	69	100	94	e110	e96	378	1180	809	576	72	42	91
18	76	104	128	e100	e90	321	952	700	420	72	41	72
19	78	91	118	e94	e88	274	702	608	313	82	41	54
20	79	88	110	e98	e130	257	559	518	245	101	41	47
21	73	86	119	e94	e180	238	444	486	205	72	39	46
22	89	84	e130	e90	e270	207	371	432	276	73	41	54
23	164	74	e120	e100	e290	180	368	378	865	67	47	97
24	123	74	e130	e130	e260	202	389	338	555	70	60	126
25	98	78	e140	e170	e240	166	361	310	379	70	51	81
26	105	91	e130	e190	e230	155	395	284	309	62	45	65
27	82	163	e110	e180	e310	172	355	263	406	61	42	70
28	89	127	e100	e180	e330	276	335	237	456	63	41	310
29	76	123	e98	e170	---	290	750	216	436	72	39	254
30	77	158	e94	e160	---	469	679	214	291	102	49	138
31	76	---	e92	e150	---	766	---	246	---	94	58	---
TOTAL	2322	2805	4198	3602	5464	12623	22370	19326	10330	3117	1651	2181
MEAN	74.9	93.5	135	116	195	407	746	623	344	101	53.3	72.7
MAX	164	163	455	190	330	1000	2660	3410	865	224	110	310
MIN	51	71	83	82	88	155	319	214	146	61	39	30
CFSM	0.28	0.35	0.50	0.43	0.72	1.51	2.76	2.31	1.28	0.37	0.20	0.27
IN.	0.32	0.39	0.58	0.50	0.75	1.74	3.08	2.66	1.42	0.43	0.23	0.30

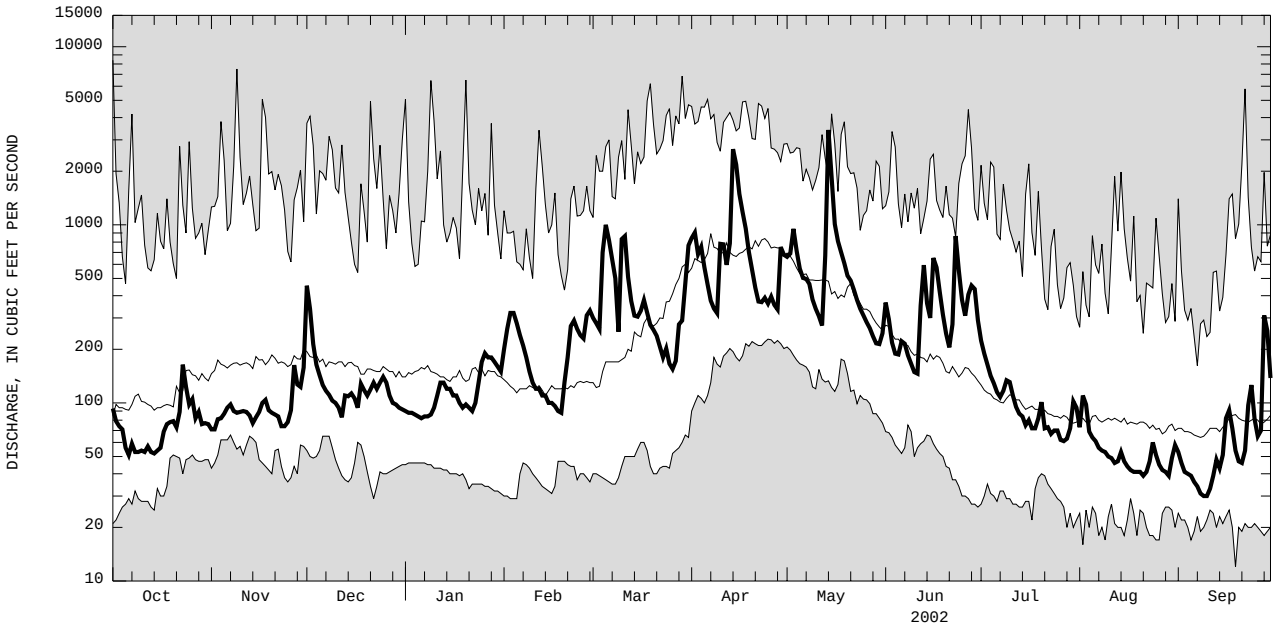
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2002, BY WATER YEAR (WY)

MEAN	175	257	234	227	182	457	953	547	256	147	104	107
MAX	543	892	755	772	627	1375	1945	1140	924	582	417	483
(WY)	1946	1928	1928	1996	1925	1936	1993	1945	1998	1947	1990	1938
MIN	40.8	80.5	79.4	53.6	45.1	67.9	258	149	70.3	30.3	28.6	26.9
(WY)	1958	1957	1931	1940	1940	1967	1995	1941	1995	1965	1941	1941

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1923 - 2002	
ANNUAL TOTAL	103066		89989			
ANNUAL MEAN	282		247		302	
HIGHEST ANNUAL MEAN					496	1998
LOWEST ANNUAL MEAN					122	1965
HIGHEST DAILY MEAN	4640	Apr 23	3410	May 14	8400	Oct 1 1924
LOWEST DAILY MEAN	31	Sep 11	30	Sep 9	12	Sep 19 1957
ANNUAL SEVEN-DAY MINIMUM	38	Sep 6	33	Sep 5	20	Sep 23 1941
ANNUAL RUNOFF (CFSM)	1.05		0.91		1.12	
ANNUAL RUNOFF (INCHES)	14.20		12.40		15.20	
10 PERCENT EXCEEDS	542		595		690	
50 PERCENT EXCEEDS	120		120		150	
90 PERCENT EXCEEDS	51		52		60	

e Estimated

04276500 BOUQUET RIVER AT WILLSBORO, NY--Continued



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.

04276842 PUTNAM CREEK EAST OF CROWN POINT CENTER, NY

LOCATION.--Lat 43°56'33", long 73°27'51", Essex County, Hydrologic Unit 02010001, on right bank 200 ft upstream from bridge at Fish Hatchery, 200 ft downstream from Rennie Brook, and 0.2 mi east of Crown Point Center.
DRAINAGE AREA.--51.6 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water year 1966. March 1990 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 220 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 2,500 ft^3/s, Apr. 17, 1993, gage height, 7.5 ft, from reconstructed graph, outside gage height was 8.14 ft, from crest-stage gage; minimum discharge, 0.36 ft^3/s, Sept. 10, 11, 2002; minimum gage height, 3.02 ft, July 26, 1993.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 14	1230	*1,000	a*6.59	May 14	0845	771	6.37

a Recorded; outside gage height was 7.13 ft, from crest-stage gage.

Minimum discharge, 0.36 ft^3/s, Sept. 10, 11, gage height, 3.61 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	7.1	37	e11	30	89	338	166	71	28	3.8	0.81
2	5.2	7.7	34	11	40	77	342	180	55	23	3.8	0.73
3	5.0	8.2	27	e11	69	131	275	193	43	19	3.7	0.66
4	4.7	8.0	22	11	55	182	231	153	36	16	3.2	0.64
5	4.7	7.8	23	e11	46	147	192	125	34	14	2.9	0.56
6	4.8	7.3	24	e11	40	123	163	104	40	12	2.6	0.53
7	4.7	7.6	22	e11	38	102	137	92	36	12	2.3	0.48
8	4.3	7.2	21	11	34	90	119	81	31	11	1.9	0.45
9	4.0	7.6	21	14	29	104	118	74	27	10	1.7	0.41
10	4.0	7.1	20	14	29	218	157	70	23	9.6	1.6	0.38
11	3.8	7.2	19	15	57	204	157	60	21	8.0	1.5	0.46
12	3.9	7.2	18	15	97	168	139	63	37	7.3	1.3	0.50
13	3.9	7.2	19	15	90	140	204	248	47	6.7	1.4	0.49
14	4.2	7.3	20	13	80	124	862	702	41	6.1	1.6	0.43
15	5.5	7.9	25	e13	64	112	684	484	57	6.0	1.4	0.44
16	5.4	8.0	23	e12	e54	105	466	282	106	5.5	1.5	0.78
17	5.7	7.2	23	12	e50	91	292	204	121	5.2	1.4	0.88
18	5.5	7.1	24	e11	e43	86	209	171	93	5.8	1.2	0.94
19	5.2	7.0	24	9.6	e40	83	161	152	72	7.3	1.1	0.75
20	5.2	7.5	24	e10	e35	82	126	125	55	9.2	1.2	0.60
21	5.6	7.1	24	12	55	80	103	106	43	8.2	1.1	0.59
22	6.7	7.1	20	11	87	70	93	93	39	7.2	1.1	1.2
23	6.3	7.4	e19	11	79	64	102	81	45	7.3	1.7	8.4
24	6.6	7.8	22	14	e72	59	106	70	38	6.7	1.3	4.3
25	6.9	8.7	20	18	67	55	102	61	32	5.6	1.2	5.1
26	7.0	10	18	19	73	53	108	56	37	5.2	1.1	5.5
27	6.7	8.7	14	18	108	87	96	50	61	6.3	0.94	14
28	6.2	8.2	e14	19	103	110	113	45	53	5.6	0.83	41
29	6.6	14	e13	20	---	119	228	41	46	5.7	0.85	35
30	6.5	24	e12	19	---	195	207	43	40	5.0	1.1	25
31	6.1	---	e12	15	---	263	---	60	---	4.3	0.96	---
TOTAL	166.5	252.2	658	417.6	1664	3613	6630	4435	1480	288.8	53.28	152.01
MEAN	5.37	8.41	21.2	13.5	59.4	117	221	143	49.3	9.32	1.72	5.07
MAX	7.0	24	37	20	108	263	862	702	121	28	3.8	41
MIN	3.8	7.0	12	9.6	29	53	93	41	21	4.3	0.83	0.38
CFSM	0.10	0.16	0.41	0.26	1.15	2.26	4.28	2.77	0.96	0.18	0.03	0.10
IN.	0.12	0.18	0.47	0.30	1.20	2.60	4.78	3.20	1.07	0.21	0.04	0.11

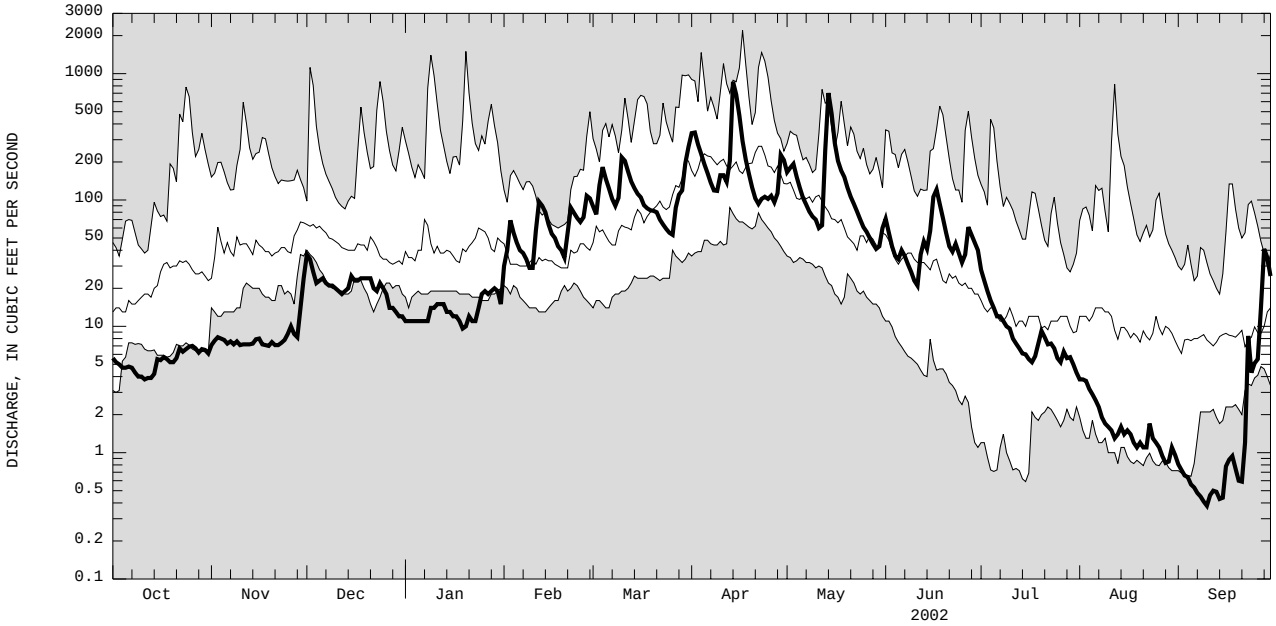
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	39.0	62.2	69.4	77.7	49.2	129	269	107	49.4	20.6	21.8	12.1
MAX	128	167	188	211	75.7	230	566	214	158	65.6	91.5	34.8
(WY)	1991	1991	1991	1996	1991	1998	1993	1990	1998	1996	1998	1999
MIN	5.37	8.41	21.2	13.5	17.8	30.4	64.7	25.4	5.21	2.79	1.04	3.02
(WY)	2002	2002	2002	2002	1992	2001	1995	1999	1999	1999	1999	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	22792.2		19810.39			
ANNUAL MEAN	62.4		54.3		73.9	
HIGHEST ANNUAL MEAN					100	1996
LOWEST ANNUAL MEAN					40.5	1995
HIGHEST DAILY MEAN	1470	Apr 23	862	Apr 14	2200	Apr 17 1993
LOWEST DAILY MEAN	2.1	Sep 8	0.38	Sep 10	0.38	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	2.1	Sep 7	0.44	Sep 9	0.44	Sep 9 2002
ANNUAL RUNOFF (CFSM)	1.21		1.05		1.43	
ANNUAL RUNOFF (INCHES)	16.43		14.28		19.47	
10 PERCENT EXCEEDS	122		139		174	
50 PERCENT EXCEEDS	22		19		34	
90 PERCENT EXCEEDS	3.6		1.4		5.3	

e Estimated

04276842 PUTNAM CREEK EAST OF CROWN POINT CENTER, NY--Continued



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.

04278000 LAKE GEORGE AT ROGERS ROCK, NY

LOCATION.--Lat 43°48'28", long 73°27'30", Essex County, Hydrologic Unit 02010001, on west shore about 500 ft north of Hooper's dock at Rogers Rock, and 0.4 mi west of Baldwin.
DRAINAGE AREA.--233 mi^2 at outlet at Ticonderoga.
PERIOD OF RECORD.--July 1913 to current year.
REVISED RECORDS.--WDR NY-87-1: Datum.
GAGE.--Water-stage recorder. Datum of gage is 316.06 ft above NGVD of 1929. Prior to Nov. 4, 1929, nonrecording gages at several sites within a half mile of present site at same datum. Nov. 4, 1929 to Sept. 26, 1936, nonrecording gage at present site and datum.
REMARKS.--Elevation of lake regulated by floodgates at Ticonderoga. Prior to October 1974, lake was regulated by powerplant wheel gate and floodgates. Lake George has been controlled by a dam at its outlet for more than 100 years. Area of water surface is 44 mi^2. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 5.09 ft, Apr. 9, 1936; minimum, 0.64 ft, Dec. 20, 1941.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.16 ft, May 14; minimum, 2.55 ft, Nov. 16, 28.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.06	2.82	2.78	2.83	2.97	2.83	3.51	3.84	3.83	3.71	3.39	3.07
2	3.07	2.82	2.78	2.84	2.97	2.82	3.54	3.84	3.75	3.70	3.44	3.04
3	3.08	2.80	2.79	2.82	2.98	2.87	3.57	3.90	3.69	3.67	3.43	3.05
4	3.07	2.80	2.78	2.80	2.93	2.90	3.56	3.83	3.72	3.67	3.43	3.04
5	3.02	2.78	2.78	2.80	2.96	2.90	3.54	3.81	3.74	3.63	3.42	2.98
6	3.07	2.77	2.80	2.78	2.94	2.87	3.52	3.81	3.69	3.60	3.35	2.98
7	3.03	2.76	2.77	2.74	2.94	2.86	3.53	3.77	3.73	3.58	3.34	2.98
8	2.99	2.77	2.75	2.83	2.89	2.89	3.52	3.70	3.76	3.60	3.32	2.99
9	2.98	2.76	2.76	2.84	2.84	2.95	3.52	3.76	3.74	3.57	3.32	2.97
10	2.96	2.74	2.79	2.82	2.87	3.05	3.52	3.80	3.70	3.50	3.33	2.97
11	2.95	2.69	2.76	2.82	2.86	3.02	3.52	3.76	3.70	3.49	3.31	2.92
12	2.91	2.70	2.76	2.81	3.00	3.02	3.57	3.76	3.73	3.52	3.30	2.90
13	2.92	2.70	2.78	2.83	2.94	3.01	3.57	3.84	3.77	3.51	3.28	2.90
14	2.94	2.70	2.74	2.80	2.95	3.01	3.77	4.07	3.74	3.50	3.30	2.88
15	2.95	2.69	2.75	2.81	2.92	3.03	3.88	4.08	3.74	3.48	3.29	2.87
16	2.94	2.66	2.77	2.82	2.86	3.00	3.92	4.05	3.79	3.42	3.28	2.92
17	3.01	2.64	2.81	2.82	2.80	3.05	3.90	3.99	3.79	3.45	3.26	2.95
18	2.93	2.67	2.85	2.83	2.80	3.10	3.86	3.96	3.75	3.40	3.27	2.92
19	2.93	2.67	2.87	2.81	2.83	3.10	3.87	3.95	3.70	3.43	3.21	2.94
20	2.89	2.65	2.89	2.82	2.80	3.14	3.81	3.90	3.69	3.42	3.18	2.94
21	2.88	2.64	2.86	2.82	2.80	3.19	3.79	3.87	3.69	3.47	3.19	2.93
22	2.87	2.62	2.85	2.81	2.83	3.19	3.79	3.86	3.67	3.48	3.20	2.97
23	2.89	2.62	2.87	2.83	2.80	3.22	3.82	3.85	3.71	3.43	3.11	2.99
24	2.88	2.61	2.87	2.79	2.83	3.17	3.81	3.81	3.67	3.40	3.16	2.98
25	2.89	2.64	2.88	2.84	2.86	3.14	3.82	3.74	3.70	3.42	3.15	2.97
26	2.91	2.67	2.87	2.84	2.83	3.19	3.81	3.79	3.69	3.43	3.14	2.97
27	2.85	2.65	2.88	2.84	2.85	3.34	3.77	3.74	3.75	3.43	3.02	2.99
28	2.81	2.61	2.88	2.84	2.87	3.35	3.74	3.72	3.71	3.42	3.05	3.09
29	2.82	2.67	2.87	2.80	---	3.35	3.81	3.75	3.69	3.41	3.06	3.09
30	2.76	2.70	2.89	2.80	---	3.40	3.85	3.77	3.70	3.40	3.07	3.11
31	2.80	---	2.87	2.82	---	3.44	---	3.79	---	3.39	3.07	---
MEAN	2.94	2.70	2.82	2.82	2.88	3.08	3.70	3.84	3.72	3.50	3.25	2.98
MAX	3.08	2.82	2.89	2.84	3.00	3.44	3.92	4.08	3.83	3.71	3.44	3.11
MIN	2.76	2.61	2.74	2.74	2.80	2.82	3.51	3.70	3.67	3.39	3.02	2.87

04279085 LAKE CHAMPLAIN NORTH OF WHITEHALL, NY

LOCATION.--Lat 43°37'18", long 73°25'08", Washington County, Hydrologic Unit 02010001, on U.S. Coast Guard navigation structure
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (New York State Department of Environmental Conservation bench mark).
REMARKS.--Area of lake surface about 490 mi^2. Total volume below 92.5 ft elevation, reported by Lake Champlain Studies Center, 902.2 bil ft^3. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 101.80 ft, Apr. 28, 2001, affected by seiche; minimum elevation, 92.80 ft, Nov. 25, 2001, affected by seiche.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 98.81 ft, June 19, affected by seiche; minimum elevation, 92.80 ft, Nov. 25, affected by seiche.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.08	93.34	93.52	93.68	93.68	94.56	96.06	97.84	97.54	98.13	96.34	94.72
2	93.96	93.26	93.62	93.58	93.96	94.60	96.12	97.85	97.78	98.03	96.12	94.68
3	93.80	93.56	93.47	93.61	93.88	94.70	96.31	97.93	97.80	97.98	96.23	94.60
4	93.79	93.54	93.64	93.63	94.03	94.88	96.50	98.00	97.49	97.90	96.18	94.75
5	94.09	93.90	93.67	93.58	93.96	94.84	96.52	97.96	97.37	97.97	96.22	94.95
6	93.85	93.91	93.53	93.58	93.97	94.93	96.79	97.76	97.81	97.89	96.45	94.72
7	93.88	93.75	93.72	93.94	93.87	95.06	96.43	97.84	97.70	97.75	96.26	94.57
8	93.96	93.46	93.79	93.53	94.04	94.99	96.35	98.22	97.39	97.56	96.09	94.43
9	93.68	93.64	93.76	93.47	94.00	94.74	96.36	97.63	97.50	97.69	95.92	94.50
10	93.57	93.44	93.43	93.56	93.82	94.77	96.63	97.55	97.51	98.05	95.77	94.49
11	93.57	93.85	93.66	93.59	94.69	95.25	96.60	97.74	97.47	97.89	95.74	94.81
12	93.82	93.65	93.61	93.61	94.09	95.11	96.19	97.65	97.77	97.54	95.73	94.68
13	93.75	93.46	93.45	93.59	94.23	95.33	96.69	97.71	98.18	97.43	95.72	94.35
14	93.50	93.37	93.81	93.65	93.94	95.58	97.24	97.85	98.42	97.32	95.56	94.33
15	93.70	93.45	94.24	93.60	93.95	95.52	97.58	98.14	98.52	97.31	95.53	94.49
16	93.64	93.73	93.82	93.67	94.11	95.94	97.73	97.96	98.51	97.40	95.43	94.64
17	93.39	93.69	93.65	93.57	94.29	95.68	97.87	98.30	98.59	97.11	95.51	94.54
18	93.62	93.35	93.92	93.60	94.29	95.47	98.07	98.42	98.67	97.23	95.34	94.54
19	93.39	93.27	93.75	93.58	94.12	95.65	97.96	98.32	98.74	97.17	95.49	94.29
20	93.51	93.50	93.69	93.56	94.14	95.46	98.34	98.28	98.56	97.20	95.52	94.17
21	93.50	93.47	94.02	93.51	94.25	95.53	98.37	98.24	98.42	96.88	95.34	94.24
22	93.67	93.46	93.85	93.59	94.37	95.68	98.15	98.09	98.53	96.59	95.16	94.40
23	93.44	93.43	93.65	93.45	94.45	95.30	98.08	97.91	98.33	96.89	95.54	94.57
24	93.54	93.39	93.77	93.70	94.37	95.65	97.99	98.02	98.55	96.92	95.15	94.56
25	93.57	93.22	93.68	93.63	94.30	95.75	97.67	98.17	98.33	96.80	95.07	94.53
26	93.39	93.44	93.74	93.58	94.36	95.60	97.87	97.69	98.25	96.55	94.99	94.42
27	93.64	93.55	93.70	93.67	94.59	95.84	97.89	97.80	98.11	96.41	95.46	94.51
28	93.74	93.77	93.62	93.66	94.61	95.81	97.92	97.77	98.36	96.35	95.15	94.91
29	93.44	93.38	93.61	93.81	---	95.68	98.13	97.46	98.34	96.43	94.98	94.83
30	93.79	93.54	93.52	93.85	---	95.66	97.73	97.46	98.24	96.47	94.96	94.61
31	93.42	---	93.52	93.87	---	95.92	---	97.40	---	96.42	94.88	---
MEAN	93.67	93.53	93.69	93.63	94.16	95.34	97.27	97.90	98.09	97.27	95.61	94.56
MAX	94.09	93.91	94.24	93.94	94.69	95.94	98.37	98.42	98.74	98.13	96.45	94.95
MIN	93.39	93.22	93.43	93.45	93.68	94.56	96.06	97.40	97.37	96.35	94.88	94.17

CAL YR 2001 MEAN 95.52 MAX 101.24 MIN 93.22
WTR YR 2002 MEAN 95.40 MAX 98.74 MIN 93.22

04280000 POULTNEY RIVER BELOW FAIR HAVEN, VT

LOCATION.--Lat 43°37′27", long 73°18′43", Rutland County, Hydrologic Unit 02010001, on right bank, 0.4 mi downstream from Carver Falls and Dam, 2.0 mi upstream from Hubbardton River, 3.0 mi northwest of Town Hall in Fair Haven, and 6.6 mi northeast of Whitehall, NY.
DRAINAGE AREA.--187 mi^2.
PERIOD OF RECORD.--Discharge records: October 1928 to current year.
REVISED RECORDS.--WSP 1114: 1929(M), 1932-35.
GAGE.--Water-stage recorder. Elevation of gage is 110 ft above NGVD of 1929, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by power plant upstream and Lake Bomoseen. All data for this site are collected, stored, and reported in local standard time.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft^3/s, July 20, 1945, gage height, 24.36 ft, from high-water mark in well, from rating curve extended above 2,600 ft^3/s on basis of computations of flow over dam at gage heights 16.10 ft, 21.40 ft, and 24.36 ft; minimum daily discharge, 2.1 ft^3/s, August 8, 1965, September 13, 1977.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 14	1230	* 3,130	* 13.46	No other peak greater than base discharge.			

Minimum daily discharge, 3.3 ft^3/s, September 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	17	49	e36	134	526	1240	406	217	66	14	6.6
2	15	19	45	e29	e335	485	1120	408	220	58	18	6.6
3	15	19	43	e28	e300	556	932	491	302	53	21	6.6
4	14	19	31	e27	e260	625	809	407	281	51	17	6.6
5	13	19	34	27	226	438	519	371	237	30	15	6.6
6	12	20	30	28	157	385	439	334	173	38	13	6.5
7	11	21	29	30	142	379	375	309	207	37	12	6.2
8	11	20	27	e34	140	356	340	267	141	35	11	6.2
9	11	20	26	26	126	357	317	199	118	33	11	6.0
10	11	18	25	41	114	633	344	205	108	32	10	5.8
11	11	17	26	45	910	583	312	179	84	30	9.7	5.8
12	11	16	25	46	e680	552	278	172	171	27	9.7	5.5
13	11	16	26	45	e560	520	302	281	350	25	9.2	4.2
14	11	26	27	42	e460	462	2400	693	246	23	8.8	3.3
15	14	18	47	43	e345	342	2390	653	223	21	8.7	3.5
16	15	16	62	44	263	322	1830	562	218	21	8.2	5.0
17	14	15	55	42	263	298	1340	556	182	20	7.8	5.0
18	13	15	73	e38	213	275	1070	589	168	17	7.8	5.2
19	14	15	82	e36	184	277	818	592	140	22	7.6	5.4
20	13	16	77	e37	197	270	466	375	113	22	7.4	5.4
21	14	18	82	e38	340	253	384	331	97	19	7.4	5.5
22	37	19	71	37	622	230	341	296	89	15	7.4	6.2
23	29	18	58	35	586	202	350	260	91	11	7.1	6.5
24	8.1	17	59	50	502	197	322	232	88	29	7.0	7.8
25	7.4	18	66	101	424	191	296	213	78	23	7.0	10
26	8.6	24	e64	110	333	193	391	188	83	19	6.6	9.0
27	15	26	e68	96	553	712	385	179	84	19	6.8	13
28	14	23	64	110	551	988	358	165	120	18	7.0	51
29	13	24	54	130	---	912	432	153	115	17	7.0	34
30	13	37	48	138	---	1110	457	148	69	16	6.8	23
31	14	---	39	116	---	1360	---	151	---	15	6.6	---
TOTAL	428.1	586	1512	1685	9920	14989	21357	10365	4813	862	303.6	278.0
MEAN	13.8	19.5	48.8	54.4	354	484	712	334	160	27.8	9.79	9.27
MAX	37	37	82	138	910	1360	2400	693	350	66	21	51
MIN	7.4	15	25	26	114	191	278	148	69	11	6.6	3.3
CFSM	0.07	0.10	0.26	0.29	1.89	2.59	3.81	1.79	0.86	0.15	0.05	0.05
IN.	0.09	0.12	0.30	0.34	1.97	2.98	4.25	2.06	0.96	0.17	0.06	0.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

MEAN	138	219	260	258	263	520	675	320	165	104	82.1	89.5
MAX	721	760	1018	897	800	1627	1441	902	776	639	629	666
(WY)	1978	1973	1984	1996	1984	1986	1977	1983	1947	1976	1976	1938
MIN	13.8	19.5	38.4	42.0	26.8	113	231	71.5	19.4	7.08	3.94	8.19
(WY)	2002	2002	1965	1931	1980	1940	1966	1941	1965	1965	1965	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	74217.6		67098.7			
ANNUAL MEAN	203		184		257	
HIGHEST ANNUAL MEAN					527	1976
LOWEST ANNUAL MEAN					66.9	1965
HIGHEST DAILY MEAN	2650	Apr 14	2400	Apr 14	7010	Jan 20 1996
LOWEST DAILY MEAN	7.4	Oct 25	3.3	Sep 14	a 2.1	Aug 8 1965
ANNUAL SEVEN-DAY MINIMUM	10	Sep 14	4.5	Sep 13	3.0	Aug 13 1965
MAXIMUM PEAK FLOW			3130	Apr 14	b 14800	Jul 20 1945
MAXIMUM PEAK STAGE			13.46	Apr 14	c 24.36	Jul 20 1945
ANNUAL RUNOFF (CFSM)	1.09		0.98		1.38	
ANNUAL RUNOFF (INCHES)	14.76		13.35		18.70	
10 PERCENT EXCEEDS	430		509		612	
50 PERCENT EXCEEDS	122		45		135	
90 PERCENT EXCEEDS	13		7.5		27	

a Also occurred on September 13, 1977
b From rating curve extended above 2,600 ft^3/s as explained above.
c From high-water mark in well.
e Estimated.

04280450 METTAWEE RIVER NEAR MIDDLE GRANVILLE, NY

LOCATION.--Lat 43°27'50", long 73°17'05", Washington County, Hydrologic Unit 02010001, on right bank 110 ft downstream from bridge on County Highway 21 and 2.2 mi north of Middle Granville.
DRAINAGE AREA.--167 mi^2.
PERIOD OF RECORD.--March 1990 to current year.
REVISED RECORDS.--WDR NY-97-1: 1993, 1994(P), 1996.
GAGE.--Water-stage recorder. Elevation of gage is 320 ft above NGVD of 1929, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,100 ft^3/s, Dec. 17, 2000, gage height, 13.47 ft, minimum discharge, 6.8 ft^3/s, Sept. 11, 2002; minimum gage height, 2.81 ft, Sept. 7, 1995, Sept. 11, 2002.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14, 1977, reached a discharge of about 14,500 ft^3/s, on basis of runoff comparison of peak discharge from contracted-opening measuremnet at Grays Corners near Whitehall (drainage area 200 mi^2). Flood of May 31, 1984, reached a discharge of about 5,400 ft^3/s, on basis of slope-area measurement of peak flow 2.8 mi upstream at Middle Granville (drainage area 156 mi^2).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 11	0645	2,380	6.84	Apr. 15	1245	*2,530	*7.09

Minimum discharge, 6.8 ft^3/s, Sept. 11, gage height, 2.81 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	35	71	e76	e220	411	1000	372	313	112	24	17
2	27	40	66	e76	e380	370	838	424	238	103	26	15
3	25	39	57	e74	e270	543	744	469	202	96	35	14
4	24	38	53	e72	e230	601	710	397	176	87	29	13
5	25	36	53	e70	e220	444	590	356	184	78	25	11
6	26	42	50	e70	e200	393	524	328	391	81	24	10
7	25	40	48	e68	e180	370	457	303	337	73	21	9.7
8	26	36	46	e66	e170	351	428	287	262	67	19	9.1
9	25	36	47	e68	166	354	397	278	227	64	18	8.4
10	23	35	45	e70	207	758	437	302	202	62	17	7.7
11	21	34	45	e72	1540	572	374	253	184	56	16	7.7
12	21	33	44	e70	757	487	337	261	417	54	15	9.7
13	20	32	45	e66	e400	447	421	524	505	49	14	10
14	19	32	52	e64	e370	421	961	871	343	46	13	9.2
15	29	31	97	e60	e350	381	1870	666	330	44	12	10
16	38	30	90	e60	e330	379	1330	537	360	48	13	37
17	31	29	81	e58	e290	343	960	538	350	45	14	33
18	27	28	138	e58	e270	326	758	646	288	42	13	23
19	26	28	137	e60	e270	320	624	632	249	42	11	18
20	24	31	129	e60	277	321	539	532	217	43	11	16
21	25	33	129	e58	543	333	469	478	191	40	11	15
22	26	30	110	e58	633	302	429	434	179	36	11	23
23	27	29	e105	58	513	271	444	389	190	35	13	27
24	29	28	e100	84	442	257	395	353	170	36	14	21
25	31	30	e100	191	410	252	373	326	146	33	17	17
26	33	41	e96	148	412	265	432	288	133	31	17	16
27	30	42	e90	143	605	1020	361	267	185	30	14	19
28	28	39	e86	154	502	963	339	242	183	29	16	39
29	27	42	e82	173	---	906	404	234	148	30	13	34
30	26	53	e78	204	---	1090	404	223	126	28	22	26
31	27	---	e78	e170	---	1040	---	248	---	26	22	---
TOTAL	819	1052	2448	2779	11157	15291	18349	12458	7426	1646	540	525.5
MEAN	26.4	35.1	79.0	89.6	398	493	612	402	248	53.1	17.4	17.5
MAX	38	53	138	204	1540	1090	1870	871	505	112	35	39
MIN	19	28	44	58	166	252	337	223	126	26	11	7.7
CFSM	0.16	0.21	0.47	0.54	2.39	2.95	3.66	2.41	1.48	0.32	0.10	0.10
IN.	0.18	0.23	0.55	0.62	2.49	3.41	4.09	2.78	1.65	0.37	0.12	0.12

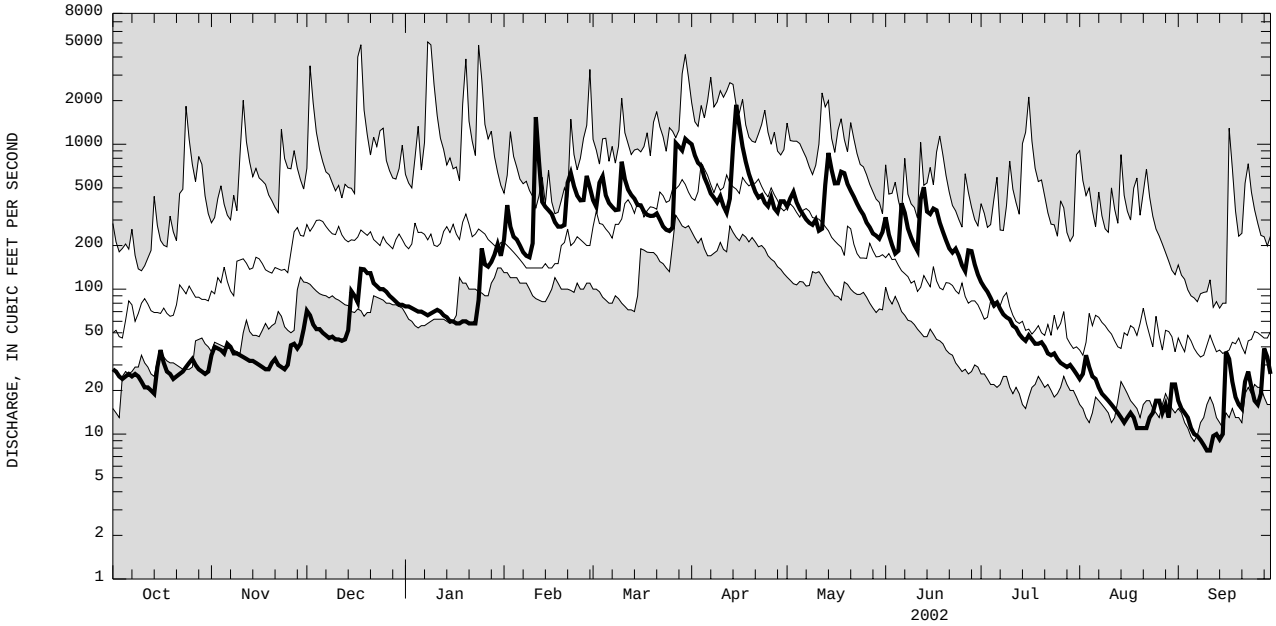
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	106	204	310	359	270	484	639	347	172	123	93.3	57.8
MAX	308	455	735	801	461	673	1163	776	333	400	266	209
(WY)	1991	1991	1997	1998	2000	1998	1994	1996	1998	1996	2000	1999
MIN	26.4	35.1	79.0	89.6	116	243	238	135	54.1	24.5	17.4	16.8
(WY)	2002	2002	2002	2002	1992	1992	1995	1995	1999	1995	2002	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	76532		74490.5			
ANNUAL MEAN	210		204		261	
HIGHEST ANNUAL MEAN					357	2000
LOWEST ANNUAL MEAN					155	1995
HIGHEST DAILY MEAN	2660	Apr 13	1870	Apr 15	5080	Jan 8 1998
LOWEST DAILY MEAN	15	Sep 18	7.7	Sep 10	7.7	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	16	Sep 14	8.8	Sep 8	8.8	Sep 8 2002
ANNUAL RUNOFF (CFSM)	1.26		1.22		1.56	
ANNUAL RUNOFF (INCHES)	17.05		16.59		21.20	
10 PERCENT EXCEEDS	415		508		575	
50 PERCENT EXCEEDS	110		76		157	
90 PERCENT EXCEEDS	26		17		31	

e Estimated

04280450 METTAWEE RIVER NEAR MIDDLE GRANVILLE, NY--Continued



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.

04294500 LAKE CHAMPLAIN AT BURLINGTON, VT

LOCATION.--Lat 44°28′52", long 73°13′27", Chittenden County, Hydrologic Unit 02010003, 50 ft south of Gulf Oil Co. dock, 0.1 mi north of Burlington Water Department pumping station, 0.5 mi north of railroad station, and 0.6 mi northwest of City Hall in Burlington.
PERIOD OF RECORD.--Gage heights: May 1907 to current year.
REVISED RECORDS.--WSP 684: 1912-29 (datum correction). WSP 1207: 1938 (datum correction).
GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Prior to Water Year 2000 datum of gage was 92.86 ft higher. Prior to July 20, 1937, nonrecording gage at site 0.7 mi south, and July 20, 1937, to September 7, 1939, nonrecording gage at site 0.1 mi south, both at present datum.
REMARKS.--All data for this site are collected, stored, and reported in local standard time.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 101.86 ft, April 27, 1993; minimum observed, 92.61 ft, December 4, 1908.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 98.83 ft, June 18, 19, affected by seiche; minimum, 93.46 ft, November 25, affected by seiche.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.17	93.62	93.71	93.80	93.93	94.76	96.11	98.02	97.78	98.32	96.50	94.99
2	94.14	93.63	93.77	93.77	93.99	94.81	96.27	98.04	97.81	98.24	96.45	94.94
3	94.11	93.67	93.79	93.77	94.00	94.81	96.41	98.08	97.79	98.16	96.40	94.91
4	94.09	93.68	93.83	93.75	94.05	94.93	96.52	98.14	97.72	98.08	96.35	94.88
5	94.09	93.70	93.85	93.74	94.07	95.01	96.61	98.15	97.65	97.99	96.31	94.86
6	94.08	93.70	93.83	93.74	94.07	95.06	96.65	98.11	97.69	97.97	96.24	94.84
7	94.05	93.72	93.86	93.76	94.06	95.10	96.65	98.07	97.73	97.92	96.18	94.78
8	94.01	93.69	93.87	93.72	94.08	95.10	96.61	98.06	97.67	97.82	96.13	94.72
9	93.95	93.69	93.87	93.70	94.08	95.07	96.60	97.93	97.62	97.86	96.05	94.71
10	93.90	93.68	93.81	93.73	94.03	95.14	96.66	97.83	97.56	97.86	95.99	94.69
11	93.87	93.70	93.82	93.73	94.12	95.35	96.76	97.80	97.53	97.83	95.94	94.71
12	93.90	93.69	93.81	93.73	94.11	95.45	96.74	97.76	97.77	97.77	95.90	94.69
13	93.89	93.65	93.76	93.73	94.19	95.51	96.83	97.74	98.19	97.67	95.85	94.63
14	93.82	93.62	93.83	93.75	94.17	95.57	97.13	97.91	98.49	97.56	95.81	94.60
15	93.84	93.63	93.91	93.75	94.18	95.63	97.49	98.11	98.61	97.48	95.77	94.64
16	93.84	93.66	93.89	93.76	94.22	95.66	97.77	98.19	98.71	97.41	95.72	94.69
17	93.85	93.67	93.87	93.75	94.27	95.69	97.97	98.28	98.78	97.32	95.68	94.68
18	93.78	93.62	93.91	93.76	94.27	95.69	98.11	98.38	98.81	97.27	95.63	94.68
19	93.74	93.59	93.90	93.74	94.27	95.72	98.16	98.39	98.81	97.23	95.58	94.64
20	93.73	93.61	93.91	93.73	94.27	95.69	98.21	98.38	98.75	97.19	95.54	94.58
21	93.71	93.60	93.93	93.72	94.31	95.72	98.21	98.35	98.67	97.13	95.49	94.57
22	93.75	93.59	93.92	93.73	94.38	95.71	98.19	98.30	98.62	97.02	95.43	94.60
23	93.71	93.59	93.89	93.70	94.45	95.69	98.17	98.23	98.56	96.97	95.40	94.67
24	93.72	93.55	93.89	93.75	94.49	95.68	98.13	98.17	98.53	96.95	95.37	94.69
25	93.74	93.53	93.88	93.77	94.51	95.67	98.03	98.11	98.49	96.92	95.29	94.69
26	93.73	93.59	93.89	93.77	94.54	95.66	98.02	98.00	98.44	96.80	95.24	94.66
27	93.73	93.62	93.88	93.81	94.63	95.72	97.99	97.95	98.41	96.71	95.22	94.66
28	93.73	93.63	93.85	93.82	94.72	95.75	97.97	97.89	98.43	96.66	95.21	94.85
29	93.69	93.61	93.84	93.85	---	95.78	98.04	97.78	98.44	96.62	95.13	94.96
30	93.70	93.67	93.83	93.86	---	95.79	98.01	97.73	98.40	96.59	95.09	94.96
31	93.66	---	93.81	93.89	---	95.96	---	97.73	---	96.55	95.08	---
MEAN	93.86	93.64	93.85	93.76	94.23	95.45	97.37	98.05	98.22	97.42	95.74	94.74
MAX	94.17	93.72	93.93	93.89	94.72	95.96	98.21	98.39	98.81	98.32	96.50	94.99
MIN	93.66	93.53	93.71	93.70	93.93	94.76	96.11	97.73	97.53	96.55	95.08	94.57

CAL YR 2001 MEAN 95.62 MAX 100.94 MIN 93.53
WTR YR 2002 MEAN 95.53 MAX 98.81 MIN 93.53

04295000 RICHELIEU RIVER (LAKE CHAMPLAIN) AT ROUSES POINT, NY

LOCATION.--Lat 44°59'46", long 73°21'37", Clinton County, Hydrologic Unit 02010006, on left bank at outlet of Lake Champlain in Rouses Point, and 1.0 mi south of Fort Montgomery ruins.
DRAINAGE AREA.--8,277 mi^2.
PERIOD OF RECORD.--October 1863 to December 1870 (maximum and minimum monthly gage heights at St. Johns, Quebec, published in WSP 97) and March 1871 to current year (daily gage heights prior to October 1970, elevations thereafter: those for 1871-1907 published in WSP 894). Gage heights prior to October 1, 1925, published as "Richelieu River at Fort Montgomery, Rouses Point". Discharge records for January 1875 to September 1916 at "Chambly, Quebec," published in WSP 65, 82, 97, 129, 170, 206, 424, and 1307 have been found to be unreliable and should not be used. Daily discharge record for "Richelieu River at Fryers Rapids, Quebec," published in Water Survey of Canada annual reports.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. March 1871 to May 1923, nonrecording gage located in Fort Montgomery and May 1923 to October 1938, nonrecording gage at present site. Prior to October 1970, at datum 93.00 ft higher.
REMARKS.--Area of lake surface about 490 mi^2. Total volume below 92.5 ft elevation, reported by Lake Champlain Studies Center, 902.2 bil ft^3. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 101.88 ft, Apr. 25, 1993; minimum observed, 92.17 ft, Oct. 23, 1941.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known since at least 1827, 102.1 ft, May 4, 1869, from marks at railroad bridge near present gage, according to data published on p. 428 of the Report of the Board of Engineers on Deep Waterways, 1900: U.S. 56th Cong., 2d sess. H. Doc. 149.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 98.87 ft, June 17, affected by seiche; minimum, 93.29 ft, Nov. 20, affected by seiche.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.18	93.86	93.74	93.79	94.06	94.80	96.10	98.00	97.78	98.32	96.51	95.16
2	94.17	93.74	93.77	93.82	93.96	94.86	96.28	98.07	97.70	98.25	96.53	95.04
3	94.23	93.65	93.90	93.78	94.08	94.89	96.42	98.04	97.71	98.15	96.42	95.04
4	94.18	93.69	93.83	93.78	94.01	94.88	96.48	98.10	97.74	98.06	96.35	94.87
5	94.05	93.55	93.88	93.78	94.07	95.03	96.56	98.12	97.72	97.88	96.25	94.76
6	94.10	93.63	93.97	93.77	94.09	95.06	96.54	98.14	97.64	97.88	96.08	94.77
7	94.02	93.62	93.83	93.64	94.12	95.08	96.63	98.05	97.67	97.87	96.05	94.80
8	93.95	93.88	93.84	93.81	94.05	95.14	96.71	97.96	97.73	97.86	96.03	94.79
9	94.06	93.61	93.86	93.86	94.08	95.22	96.69	98.29	97.57	97.86	96.04	94.72
10	94.05	93.73	94.01	93.75	94.18	95.21	96.60	97.88	97.53	97.75	96.02	94.70
11	94.05	93.61	93.84	93.74	94.00	95.34	96.77	97.72	97.47	97.70	95.95	94.54
12	93.89	93.64	93.94	93.76	94.31	95.55	97.05	97.72	97.70	97.70	95.89	94.61
13	93.92	93.75	94.01	93.77	94.14	95.61	96.81	97.69	98.16	97.65	95.87	94.70
14	94.23	93.76	93.76	93.73	94.30	95.52	97.08	97.85	98.45	97.57	95.86	94.67
15	93.92	93.71	93.76	93.76	94.30	95.57	97.47	98.00	98.58	97.44	95.81	94.64
16	93.91	93.57	93.86	93.75	94.24	95.57	97.77	98.23	98.74	97.34	95.78	94.65
17	93.96	93.65	93.97	93.81	94.21	95.65	97.92	98.18	98.80	97.32	95.70	94.69
18	93.80	93.76	93.84	93.78	94.26	95.77	98.06	98.29	98.80	97.20	95.69	94.66
19	93.99	93.82	93.90	93.80	94.28	95.70	98.15	98.32	98.77	97.17	95.56	94.74
20	93.81	93.58	93.92	93.80	94.30	95.87	98.07	98.33	98.74	97.10	95.49	94.80
21	93.84	93.70	93.82	93.82	94.33	95.75	98.09	98.30	98.68	97.11	95.47	94.71
22	93.74	93.63	93.88	93.74	94.38	95.65	98.11	98.29	98.59	97.16	95.50	94.65
23	94.05	93.66	94.02	93.83	94.44	95.76	98.10	98.25	98.56	96.96	95.36	94.66
24	93.76	93.75	93.92	93.71	94.51	95.62	98.08	98.11	98.46	96.89	95.43	94.69
25	93.82	93.87	93.96	93.80	94.57	95.61	98.20	98.06	98.46	96.85	95.33	94.68
26	93.88	93.57	93.90	93.84	94.59	95.64	97.96	98.09	98.44	96.97	95.29	94.74
27	93.68	93.54	93.91	93.80	94.64	95.69	97.92	97.91	98.43	96.83	95.11	94.71
28	93.69	93.49	93.97	93.83	94.71	95.73	97.88	97.84	98.40	96.81	95.11	94.78
29	93.79	93.84	93.90	93.80	---	95.82	97.88	97.83	98.41	96.63	95.18	94.92
30	93.61	93.63	93.90	93.83	---	95.99	98.04	97.74	98.38	96.58	95.11	95.09
31	93.82	---	93.86	93.85	---	95.95	---	97.79	---	96.54	95.08	---
MEAN	93.94	93.68	93.89	93.78	94.26	95.47	97.35	98.04	98.19	97.40	95.74	94.77
MAX	94.23	93.88	94.02	93.86	94.71	95.99	98.20	98.33	98.80	98.32	96.53	95.16
MIN	93.61	93.49	93.74	93.64	93.96	94.80	96.10	97.69	97.47	96.54	95.08	94.54

CAL YR 2001 MEAN 95.63 MAX 100.87 MIN 93.49
WTR YR 2002 MEAN 95.55 MAX 98.80 MIN 93.49

LAKES AND RESERVOIRS IN STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04260990 CRANBERRY LAKE AT CRANBERRY LAKE, NY--Lat 44°13′14″, long 74°50′55″, St. Lawrence County, Hydrologic Unit 04150302, on right wall at outlet structure, at village of Cranberry Lake. **DRAINAGE AREA**, 140 mi^2. **PERIOD OF RECORD**, April 1923 to current year. **GAGE**, nonrecording gage read daily at 1200 hours. Datum of gage is 1,469.75 ft above NGVD of 1929.

Dam completed in 1867 and controlled storage for which records are available began in 1923. Usable capacity above elevation 1,475.25 ft is 2,530 mil ft^3. Crest at spillway is at elevation, 1,486.43 ft. Length of spillway is 110 ft. Area of water surface at crest elevation is 10.9 mi^2. Records provided by Oswegatchie River-Cranberry Reservoir Commission.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 2,985 mil ft^3, May 13-15, 1971, gage height, 18.5 ft; minimum observed, 70 mil ft^3, Apr. 1-4, 1956, gage height, 6.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 2,830 mil ft^3, May 16-18, gage height, 18.0 ft; minimum observed, 1,274 mil ft^3, Feb. 21, gage height, 12.2 ft.

04278000 LAKE GEORGE AT ROGERS ROCK, NY (see station for daily mean gage heights).

04294500 LAKE CHAMPLAIN AT BURLINGTON, VT (see station for daily mean gage heights).

04295000 RICHELIEU RIVER (LAKE CHAMPLAIN) AT ROUSES POINT, NY (see station for daily mean elevations).

MONTH-END GAGE HEIGHT AND CONTENTS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Gage height (feet) *	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)
	04260990 Cranberry Lake		
Sept. 30	16.3	2,324	
Oct. 31	16.2	2,296	- 10.5
Nov. 30	15.1	1,996	-116
Dec. 31	13.8	1,658	-126
CAL YR 2001	--	--	- 9.07
Jan. 31	12.4	1,318	-127
Feb. 28	12.6	1,364	+ 19.0
Mar. 31	15.6	2,128	+285
Apr. 30	17.2	2,590	+178
May 31	16.7	2,440	- 56.0
June 30	16.3	2,324	- 44.8
July 31	15.9	2,212	- 41.8
Aug. 31	15.4	2,074	- 51.5
Sept. 30	15.2	2,022	- 20.1
WTR YR 2002	--	--	- 9.58

* Gage heights at 2400 hours, by interpolation.

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are usually presented in two tables. The first is usually a table of discharge measurements at low-flow partial-record stations and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table. No discharge measurements were made at low-flow partial-record stations for the 2002 water year.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined. Datum of gage is given in feet above NGVD of 1929 unless otherwise noted.

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
Housatonic River basin								
Stony Brook near Dover Plains, NY (01199477)	Lat 41°42′38″, long 73°37′18″, Dutchess County, Hydrologic Unit 01100005, on town road, 100 ft upstream from mouth, and 2.9 mi southwest of Dover Plains. Elevation of gage is 730 ft, from topographic map. Drainage area is 1.93 mi^2.	1976-2002	6- 7-02	1.42	90	4- 4-87	6.40	532
Hudson River basin								
Arbutus Pond Outlet near Newcomb, NY (01311992)	Lat 43°58′56″, long 74°14′09″, Essex County, Hydrologic Unit 02020001, on right bank at outlet of Arbutus Pond, 0.4 mi upstream from mouth at Fishing Brook, and 3.7 mi northwest of Newcomb. Elevation of gage is 1,680 ft, from topographic map. Drainage area is 1.22 mi^2.	1991-92‡, 1993-2002	4-14-02	1.99	23	1- 9-98	2.37	40
Hudson River near Newcomb, NY (01312000)	Lat 43°58′00″, long 74°07′55″, Essex County, Hydrologic Unit 02020001, on right bank 30 ft downstream from bridge on State Highway 28N, 0.5 mi downstream from outlet of Harris Lake, 2.0 mi east of Newcomb, and 4.0 mi upstream from Wolf Creek. Datum of gage is 1,550.38 ft. Drainage area is 192 mi^2.	1926-31, 1932-87‡, 1988-2002	4-15-02	9.87	7,040	1- 9-98	12.84	11,500
Schroon River at Riverbank, NY (01317000)	Lat 43°36′34″, long 73°44′17″, Warren County, Hydrologic Unit 02020001, on right bank 30 ft upstream from highway bridge, and 11.8 mi downstream from Schroon Lake, at Riverbank. Datum of gage is 699.31 ft. Drainage area is 527 mi^2.	1908-25, 1926-70‡, 1987-2002	4-16-02	7.56	4,650	3-21-36	f12.18	12,100
Steele Brook at Shushan, NY (01329154)	Lat 43°05′35″, long 73°19′38″, Washington County, Hydrologic Unit 02020003, at bridge on county road, 0.8 mi east of Shushan, and 1.1 mi upstream from mouth. Elevation of gage is 500 ft, from topographic map. Drainage area is 2.85 mi^2.	1979-2002	3-27-02	3.62	53	1-19-96	6.56	149

‡ Operated as a continuous-record gaging station.
f From floodmark.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Dis-charge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Dis-charge (ft^3/s)
	Hudson River basin--Continued							
Little Hoosic River at Petersburg, NY (01333500)	Lat 42°45′50″, long 73°20′16″, Rensselaer County, Hydrologic Unit 02020003, on left bank 100 ft downstream from highway bridge on dirt road, 1.0 mi downstream from Petersburg, and 4.9 mi upstream from mouth. Datum of gage is 587.40 ft. Drainage area is 56.1 mi^2.	1949, 1951-96‡, 1997-2002	6- 6-02	5.65	1,740	12-31-48	f9.4	7,470
Vly Brook near Morehouseville, NY (01342797)	Lat 43°23′34″, long 74°49′59″, Hamilton County, Hydrologic Unit 02020004, at culvert on State Highway 8, 0.6 mi upstream from mouth, 3.1 mi west of Morehouseville. Elevation of gage is 1,580 ft, from topographic map. Drainage area is 3.28 mi^2.	1993-2002	4-13-02	10.92	290	10-21-95	af11.2	a320
North Creek near Ephratah, NY (01348420)	Lat 43°00′28″, long 74°33′54″, Fulton County, Hydrologic Unit 02020004, at culvert on town road, 0.4 mi upstream from mouth, 1.2 mi northwest of Ephratah. Elevation of gage is 740 ft, from topographic map. Drainage area is 6.52 mi^2.	1975-2002	5-13-02	5.76	217	6-29-82	8.95	540
Batavia Kill at Hensonville, NY (01349850)	Lat 42°17′18″, long 74°12′55″, Greene County, Hydrologic Unit 02020005, on right bank at downstream side of bridge on County Highway 40, 0.7 mi upstream from Silver Lake Outlet, and 1.8 mi upstream from Nauvo Stream, at Hensonville. Elevation of gage is 1,620 ft, from topographic map. Drainage area is 13.5 mi^2.	1955, 1960, 1965, 1968, 1972-93, 1996, 1999, 2002	3-27-02	2.17	184	8-13-55 9-12-60	f7.8 f8.7	5,000 5,000
Batavia Kill near Ashland, NY (01349900)	Lat 42°17′36″, long 74°18′22″, Greene County, Hydrologic Unit 02020005, on right bank 40 ft upstream from bridge on County Route 17, 0.2 mi south of State Highway 23, and 1.6 mi southeast of Ashland. Elevation of gage is 1,440 ft, from topographic map. Drainage area is 51.2 mi^2.	1992-01‡, 2002	3-27-02	7.06	514	9-16-99	f15.6	15,000
Normans Kill at Albany, NY (01359528)	Lat 42°38′00″, long 73°48′22″, Albany County, Hydrologic Unit 02020006, on left bank 0.35 mi upstream from bridge on Normans Kill Road at Normansville, and 0.40 mi upstream from Delaware Avenue bridge in Albany. Elevation of gage is 90 ft, from topographic map. Drainage area is 168 mi^2.	1980-83‡, 1984, 1992-2002	3-27-02	7.36	2,900	9-17-99	f13.50	11,800
Kinderhook Creek at Rossman, NY (01361000)	Lat 42°19′50″, long 73°44′40″, Columbia County, Hydrologic Unit 02020006, on right bank 1.0 mi upstream from Claverack Creek, 2.25 mi downstream from Stuyvesant Falls, at Rossman. Datum of gage is 24.78 ft. Drainage area is 329 mi^2.	1906-14, 1928, 1929-68‡, 1984, 1988-2002	6- 7-02	5.36	2,660	12-31-48	f19.8	29,800
Catskill Creek at Oak Hill, NY (01361500)	Lat 42°24′16″, long 74°09′07″, Greene County, Hydrologic Unit 02020006, on right bank 150 ft downstream from highway bridge in southernmost part of Oak Hill, 250 ft downstream from small tributary. Datum of gage is 612.65 ft. Drainage area is 98.0 mi^2.	1911-28, 1929-77‡, 1980, 1987-2002	3-27-02	5.96	1,070	4- 4-87	f16.6	15,400

f From floodmark.
‡ Operated as a continuous-record gaging station.
a About.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Dis-charge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Dis-charge (ft^3/s)
Hudson River basin--Continued								
Roeliff Jansen Kill near Hillsdale, NY (01362100)	Lat 42°09′14″, long 73°31′14″, Columbia County, Hydrologic Unit 02020006, at bridge on county highway off State Highway 22, 1.8 mi south of Hillsdale. Elevation of gage is 580 ft, from topographic map. Drainage area is 27.5 mi^2.	1958-60‡, 1961-2002	5-14-02	2.12	147	6-30-73	9.78	3,280
Bushnellsville Creek at Shandaken, NY (01362197)	Lat 42°07′25″, long 74°24′02″, Ulster County, Hydrologic Unit 02020006, on right bank along State Highway 42, 0.4 mi upstream from Esopus Creek, and 0.6 mi northwest of Shandaken. Elevation of gage is 1,160 ft, from topographic map. Drainage area is 11.4 mi^2.	1951, 1956, 1972-87, 1994-2002	5-18-02	6.34	79	10-15-55	f12.40	1,830
Rutgers Creek at Gardnerville, NY (01368500)	Lat 41°20′40″, long 74°29′10″, Orange County, Hydrologic Unit 02020007, on right bank 2.2 mi upstream from mouth, 8 mi southwest of Middletown, at highway bridge in Gardnerville. Datum of gage is 404.48 ft. Drainage area is 59.7 mi^2.	1944-48, 1949-68‡, 1984, 1987-90, 1993-2002	5-14-02	4.54	805	8-19-55	f12.38	8,490
Fishkill Creek at Hopewell Junction, NY (01372800)	Lat 41°34′22″, long 73°48′25″, Dutchess County, Hydrologic Unit 02020008, on right bank 400 ft upstream from bridge on State Highway 376, 0.6 mi south of State Highway 82, at Hopewell Junction. Datum of gage is 229.53 ft. Drainage area is 57.3 mi^2.	1958-75‡, 1984, 1987-2002	6- 7-02	6.44	893	12-21-73 1-20-96	9.19 b11.71	2,770 -
Peekskill Hollow Creek at Tompkins Corners, NY (01374250)	Lat 41°23′18″, long 73°48′47″, Putnam County, Hydrologic Unit 02030101, at bridge on Bryant Pond Road, 0.9 mi southwest of Tompkins Corners, and 1.1 mi downstream from Wiccopee Brook. Datum of gage is 302.29 ft. Drainage area is 14.9 mi^2.	1975-2002	6- 7-02	2.67	190	9-16-99	6.01	2,000
Passaic River basin								
Torne Brook at Ramapo, NY (01387410)	Lat 41°08′34″, long 74°09′44″, Rockland County, Hydrologic Unit 02030103, 0.3 mi upstream from mouth, and 0.5 mi east of Ramapo. Datum of gage is 328.46 ft. Drainage area is 2.60 mi^2.	1960-2002	5-14-02	<5.33	<126	11- 8-77	11.02	1,520
Delaware River basin								
East Branch Neversink River at Denning, NY (01434010)	Lat 41°57′30″, long 74°28′26″, Ulster County, Hydrologic Unit 02040104, on downstream side of bridge on private road at Strauss Estate, 0.4 mi downstream from Riley Brook, 0.9 mi upstream from Erts Brook, and 1.0 mi northeast of Denning. Elevation of gage is 2,010 ft, from topographic map. Drainage area is 13.3 mi^2.	1984-2002	3-27-02	2.57	360	4- 4-87	f6.39	4,460

‡ Operated as a continuous-record gaging station.
f From floodmark.
b Ice jam.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Dis-charge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Dis-charge (ft^3/s)
Streams tributary to Lake Ontario								
North Branch Grindstone Creek near Altmar, NY (042490673)	Lat 43°29′31″, long 76°05′41″, Oswego County, Hydrologic Unit 04140102, at culvert on Hong Kong Road, 4.1 mi upstream from confluence with South Branch Grindstone Creek, and 4.1 mi southwest of Altmar. Elevation of gage is 450 ft, from topographic map. Drainage area is 10.1 mi^2.	1976-2002	4-14-02	8.97	253	3-13-77	15.03	482
North Branch Salmon River at Redfield, NY (04249200)	Lat 43°32′32″, long 75°48′51″, Oswego County, Hydrologic Unit 04140102, at bridge on Harvester Mill Road, 0.7 mi northeast of Redfield. Elevation of gage is 950 ft, from topographic map. Drainage area is 82.5 mi^2.	1962-64, 1985, 1987-2002	4-14-02	16.98	6,580	12-29-84	f19.15	13,600
Sandy Creek near Adams, NY (04250750)	Lat 43°48′48″, long 76°04′30″, Jefferson County, Hydrologic Unit 04140102, on left bank 250 ft upstream from bridge on Liberty Street, 2.5 mi downstream from Adams, and 10.0 mi upstream from mouth. Datum of gage is 523.71 ft. Drainage area is 137 mi^2.	1958-95‡, 1996-2002	4-14-02	8.06	4,550	1-19-96	f11.06	7,700
Moose River at McKeever, NY (04254500)	Lat 43°36′37″, long 75°06′39″, Herkimer County, Hydrologic Unit 04150101, on left bank 0.5 mi west of McKeever, and 1.9 mi downstream from confluence of Middle and South Branches. Datum of gage is 1,479.92 ft. Drainage area is 363 mi^2.	1869, 1901-22, 1923-70‡, 1982, 1985, 1987-2002	4-14-02	12.07	10,300	6- 3-47	f17.45	d18,700
Tributary to Mill Creek Tributary near Lowville, NY (04256040)	Lat 43°45′43″, long 75°31′13″, Lewis County, Hydrologic Unit 04150101, at culvert on West Road, 0.85 mi above mouth, and 2.0 mi southwest of Lowville. Elevation of gage is 1,250 ft, from topographic map. Drainage area is 1.66 mi^2.	1976-86, 1993-2002	3-10-02	10.78	125	3- 5-79 1-24-99	13.41 b13.58	312 a110
Deer River at Deer River, NY (04258700)	Lat 43°55′49″, long 75°35′27″, Lewis County, Hydrologic Unit 04150101, on left bank 350 ft upstream from bridge on State Highway 26, 2.0 mi upstream from mouth, at Deer River. Datum of gage is 762.36 ft. Drainage area is 94.8 mi^2.	1957-68‡, 1969-2002	4-14-02	7.14	9,100	3- 6-79 12-29-84	b11.10 f10.63	- 17,200
St. Lawrence River basin								
Elm Creek near Hermon, NY (04265100)	Lat 44°26′15″, long 75°12′49″, St. Lawrence County, Hydrologic Unit 04150304, at bridge 2.7 mi southeast of Hermon, and 6.8 mi upstream from confluence with Tanner Creek. Datum of gage is 539.41 ft. Drainage area is 32.6 mi^2.	1959-68‡, 1969-2002	5-15-02	6.02	380	4- 6-74 1-24-99	9.07 b9.28	a1,270 a750
Plum Brook near Grantville, NY (04268200)	Lat 44°52′46″, long 74°54′54″, St. Lawrence County, Hydrologic Unit 04150305, on right bank 430 ft upstream from bridge at junction of Brouse and Grant Roads, 1.0 mi upstream from mouth, 1.4 mi north of Grantville, 2.3 mi southwest of Massena city limits. Datum of gage is 203.15 ft. Drainage area is 43.9 mi^2.	1959-63‡, 1964-2002	4-14-02	<4.24	a250	3-30-63 3-11-92	6.94 b7.86	1,920 -

f From floodmark.
‡ Operated as a continuous-record gaging station.
d Dam failure.
b Ice jam.
a About.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Dis-charge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Dis-charge (ft^3/s)
St. Lawrence River basin--Continued								
Duane Stream southeast of Duane Center, NY (04269856)	Lat 44°39′12″, long 74°13′42″, Franklin County, Hydrologic Unit 04150307, on left bank at culvert on County Highway 26, and 1.8 mi southeast of Duane Center. Elevation of gage is 1,540 ft, from topo-graphic map. Drainage area is 1.80 mi^2.	1995-2002	6-12-02	19.97	29	6-27-98	21.91	44
Trout River at Trout River, NY (04270700)	Lat 44°59′23″, long 74°17′56″, Franklin County, Hydrologic Unit 04150307, on right bank at downstream side of bridge on county highway, 0.2 mi east of State Highway 30, and 3.3 mi downstream from Little Trout River, at Trout River. Datum of gage is 219.97 ft. Drainage area is 107 mi^2.	1960-66‡, 1967-2002	6-12-02	6.55	3,330	3-10-92 7- 5-96	b10.43 9.42	- 6,980
West Branch Ausable River near Lake Placid, NY (04274000)	Lat 44°18′40″, long 73°55′00″, Essex County, Hydrologic Unit 02010004, on right bank 150 ft upstream from Monument Falls, 4 mi downstream from Lake Placid outlet, and 4 mi northeast of Lake Placid. Datum of gage is 1,620.76 ft. Drainage area is 116 mi^2.	1920-27, 1928-68‡, 1983-2002	4-14-02	7.98	3,710	9-22-38	12.20	10,800
East Branch Ausable River at Au Sable Forks, NY (04275000)	Lat 44°26′20″, long 73°40′55″, Essex County, Hydrologic Unit 02010004, on left bank 700 ft upstream from bridge on Burt Street, and 0.5 mi upstream from confluence with West Branch, in Au Sable Forks. Datum of gage is 545.37 ft. Drainage area is 198 mi^2.	1925-95‡, 1996-2002	4-14-02	7.59	6,480	11- 9-96	15.22	23,900

‡ Operated as a continuous-record gaging station.
b Ice jam.

Discharge measurements made at miscellaneous sites during water year 2002

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Hudson River basin				
01368000 Wallkill River	Rondout Creek	Lat 41°15′36″, long 74°32′58″, Sussex County, New Jersey, Hydrologic Unit 02020007, on right bank on downstream side of bridge on Quarryville-Milton Road, 2.0 mi south of New York-New Jersey State line, and 3.0 mi south of Unionville.	140	1938-49‡‡, 1950-81‡, 1984‡‡, 1989-93‡‡, 1994	5-15-02	629
01369000 Pochuck Creek	Wallkill River	Lat 41°16′32″, long 74°28′18″, Orange County, Hydrologic Unit 02020007, on right bank, 75 ft downstream from bridge on Newport Bridge Road at Newport, 1.5 mi south of Pine Island, 3.2 mi west of Edenville, and 4.1 mi upstream from mouth.	98.0	1938-77‡, 1981	10-18-01 5-15-02 7-16-02	*22 421 *12
01370500 Wallkill River	Rondout Creek	Lat 41°25′57″, long 74°22′29″, Orange County, Hydrologic Unit 02020007, on left bank, 0.3 mi upstream from Masonic Creek, 0.9 mi upstream from bridge on State Highway 17, 1.0 mi southwest of Phillipsburg, and 1.9 mi northeast of New Hampton.	406	1936‡‡, 1937, 1938-59‡, 1989-93‡‡, 1994	1-29-02 5-16-02 7-15-02	*176 1,520 *44
0137449494 Peach Lake Brook	East Branch Reservoir	Lat 41°23′17″, long 73°35′17″, Putnam County, Hydrologic Unit 02030101, 1.3 mi southeast of Brewster, and 1.3 mi downstream from Peach Lake.	2.47	2000-01	7-15-02	*0.79
01374674 Michael Brook	Croton Falls Reservoir	Lat 41°24′25″, long 73°39′47″, Putnam County, Hydrologic Unit 02030101, at bridge on Kelly Road, about 0.4 mi upstream from mouth, and about 1.8 mi southeast of Carmel.	2.94	2000-01	7-15-02	*1.5
0137491106 Davids Brook	Stone Hill River	Lat 41°12′33″, long 73°39′45″, Westchester County, Hydrologic Unit 02030101, at wooden footbridge on horse trail, about 0.2 mi north of Guard Hill Road, and about 1.2 mi west of Bedford.	1.38		6-19-02 7-17-02 9-23-02	0.86 * .20 .19
0137491112 Davids Brook Tributary (east)	Davids Brook	Lat 41°12′33″, long 73°39′41″, Westchester County, Hydrologic Unit 02030101, at bridge on Clinton Road, about 200 ft upstream from Davids Brook, and about 1.0 mi northwest of Bedford.	0.34		6-19-02 7-17-02 9-23-02	a0.05 * .10 .05
0137491117 Davids Brook Tributary (north)	Davids Brook	Lat 41°12′59″, long 73°39′53″, Westchester County, Hydrologic Unit 02030101, at Bedford Center, about 0.3 mi south of Bedford Center Road, about 0.4 mi east of The Narrows Road.	0.63		6-19-02 7-17-02 9-23-02	a0.25 a .40 .10
0137491120 Davids Brook	Stone Hill River	Lat 41°13′21″, long 73°39′45″, Westchester County, Hydrologic Unit 02030101, at bridge on Harris Road, 0.3 mi north of Bedford Center, and 0.5 mi upstream from mouth.	2.79	2001	5- 8-02 5-22-02 5-30-02 6-19-02 7-17-02 9-11-02 9-23-02	1.9 3.5 2.7 2.5 * .71 * .72 .56
0137492010 Stone Hill River Tributary	Stone Hill River	Lat 41°14′29″, long 73°41′52″, Westchester County, Hydrologic Unit 02030101, at culvert on Park Avenue, 1.5 mi upstream from mouth, behind Bedford Town Hall.	0.16	2001	6- 6-02 7-16-02 9-15-02	9.0 * .35 8.0
01374921 Stone Hill River Tributary	Stone Hill River	Lat 41°14′45″, long 73°41′06″, Westchester County, Hydrologic Unit 02030101, at bridge on northbound ramp to Sawmill Parkway near intersection of Railroad Avenue and Harris Road, 0.2 mi east of Bedford Hills.	1.21	2000-01	7-16-02 9-15-02	*0.83 38
01374960 Hallocks Mill Brook	Muscoot River	Lat 41°17′04″, long 73°46′28″, Westchester County, Hydrologic Unit 02030101, at bridge on town highway, 0.8 mi northeast of Yorktown Heights.	10.4	1976, 1993-94	9- 4-02	14

‡‡ Operated as a crest-stage partial-record station.
‡ Operated as a continuous-record gaging station.
* Base flow.
a About.

Discharge measurements made at miscellaneous sites during water year 2002--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Hudson River basin--Continued				
01374963 Hallocks Mill Brook	Muscoot River	Lat 41°17′08″, long 73°45′58″, Westchester County, Hydrologic Unit 02030101, at bridge on Pine Bridges Road, 1.0 mi upstream from Muscoot River, in Amawalk.	11.4	1976, 2000	9- 4-02	15
01374970 Muscoot River	Croton River	Lat 41°16′20″, long 73°44′46″, Westchester County, Hydrologic Unit 02030101, at bridge on Wood Street, 1.1 mi downstream from Hallocks Mill Brook, 1.6 mi southeast of Amawalk.	32.6	1976	9- 4-02	25
0137498340 Kisco River Tributary	Kisco River	Lat 41°11′34″, long 73°44′25″, Westchester County, Hydrologic Unit 02030101, about 0.1 mi upstream from mouth, at foot of Radio Circle Drive, in Mt. Kisco.	2.49	2000-01	6- 7-02 9-16-02	41 5.2
01374984 Kisco River	New Croton Reservoir	Lat 41°11′33″, long 73°43′36″, Westchester County, Hydrologic Unit 02030101, at bridge on Byram Road, 1.2 mi downstream from confluence with Chappaqua Brook, and 1.3 mi south of Mount Kisco.	8.99	2001	6- 7-02 7-16-02 9-16-02	95 *1.3 9.6
0137498420 Branch Brook	Kisco River	Lat 41°12′14″, long 73°43′52″, Westchester County, Hydrologic Unit 02030101, at culvert on Route 22, 0.6 mi upstream from mouth, and 0.6 mi south of Mount Kisco.	2.64	2001	6- 7-02 7-16-02 9-16-02	48 * .28 9.2
		Delaware River basin				
01421200 Cadosia Creek	East Branch Delaware River	Lat 41°58′03″, long 75°15′51″, Delaware County, Hydrologic Unit 02040102, at bridge on State Highway 236, 0.3 mi upstream from mouth, at Cadosia.	17.9	1949-50, 1955, 1957-71, 1973-01	6-26-02 7- 9-02 7-17-02 8-21-02	16 *4.2 *2.5 1.0
01424997 Cannonsville Reservoir	Delaware River	Lat 42°03′46″, long 75°22′29″, Delaware County, Hydrologic Unit 02040101, on West Branch Delaware River, at outlet of Cannonsville Dam, 1.8 mi southeast of Stilesville. (Does not include spillage.)	454	1992-96, 1998-99	3- 2-95 4-20-95 8-14-96 6- 9-97 7- 7-97 1- 5-98 1-21-98 1-21-98 7-27-98 3-31-99 1- 6-00 7-19-00 6- 8-01 1-11-02 6-10-02	39 47 364 161 639 24 12 3.9 254 48 47 163 153 8.1 28
01426000 Oquaga Creek	West Branch Delaware River	Lat 42°03′31″, long 75°25′42″, Broome County, Hydrologic Unit 02040101, on left bank, 150 ft downstream from Bone Creek, 0.3 mi upstream from mouth, 0.1 mi upstream from Mill Street bridge, in Deposit.	67.6	1941-73‡, 1975-76, 1979-01	4- 4-02 5-28-02 7- 8-02 7- 9-02 7-17-02 7-30-02 8-21-02 8-30-02 9-25-02	177 266 *12 *10 *5.7 *5.3 2.2 4.4 26
01427500 Callicoon Creek	Delaware River	Lat 41°45′39″, long 75°02′55″, Sullivan County, Hydrologic Unit 02040101, on right bank, 0.7 mi southeast of Callicoon, 0.9 mi upstream from mouth, and 1.0 mi southwest of Hortonville.	110	1940‡‡, 1941-82‡, 1983-99‡‡	6-28-00 7-21-00 8-30-00 5- 8-01 5-21-01 5-30-01 6-12-01 7-25-01 8-24-01 2- 7-02 7- 8-02 7-18-02 8-16-02 8-30-02	208 72 *42 *50 *34 114 76 *18 *16 126 *38 *19 16 52

* Base flow.
‡ Operated as a continuous-record gaging station.
‡‡ Operated as a crest-stage partial-record station.

Discharge measurements made at miscellaneous sites during water year 2002--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Delaware River basin--Continued				
01428000 Tenmile River	Delaware River	Lat 41°33′51″, long 75°00′56″, Sullivan County, Hydrologic Unit 02040101, on left bank, 0.5 mi downstream from East Branch Tenmile River, 0.8 mi upstream from mouth, and 0.6 mi northeast of Tusten.	45.6	1946-73‡, 1978-01	7-10-02	13
					7-25-02	8.5
					8-20-02	2.9
01438000 Neversink River	Delaware River	Lat 41°21′40″, long 74°41′07″, Orange County, Hydrologic Unit 02040104, at Tristates Bridge on East Main Street (U.S. Highway 6), 0.1 mi upstream from Clove Brook, and 0.6 mi upstream from mouth, in Port Jervis.	336	1902-03, 1943-45, 1960-62, 1964-01	10-25-01	100
					7-11-02	181
					8-20-02	134
		Streams tributary to Lake Ontario				
04257000 Beaver River	Black River	Lat 43°53′56″, long 75°03′08″, Herkimer County, Hydrologic Unit 04150101, at logging bridge about 0.2 mi downstream from Stillwater Dam, 7.5 mi west of Beaver River Post Office, and 2.5 mi upstream from Moshier Creek.	171	1909-01	12- 4-01	261
					1-28-02	275
					3-25-02	544
					5-20-02	777
					7-26-02	348
					9-18-02	540

‡ Operated as a continuous-record gaging station.

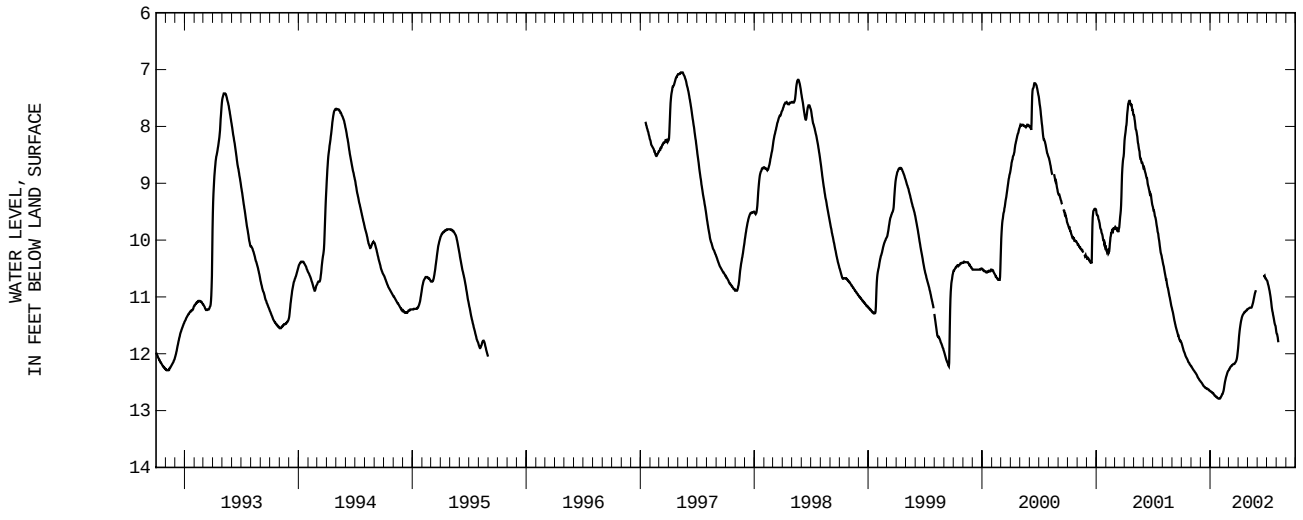
ALBANY COUNTY

424114073495402. Local number, A 636.

LOCATION.--Lat 42°41'14", long 73°49'54", Hydrologic Unit 02020006, Fuller Road, Albany.
Owner: State University of New York at Albany.
AQUIFER.--Water-table aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 21.2 ft in November 2001, filled in from original depth of 24 ft, cased to 22 ft, 2-in. jet point (60-gauze screen 22 ft to 24 ft). Well gravel packed from original depth of 26 ft.
INSTRUMENTATION.--Water-stage recorder--hourly.
DATUM.--Elevation of land-surface datum is 260 ft above NGVD of 1929, from topographic map.
Measuring point: Top of casing, 2.40 ft above land-surface datum.
REMARKS.--Well was drilled May 1974 as a replacement for 424114073495401 (local number A 635), located 35 ft north, which had a period of record from November 1965 to May 1974 (unpublished).
PERIOD OF RECORD.--May 1974 to August 1995, January 1997 to August 2002 (discontinued). Records prior to October 1976 are unpublished and available in files of the Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.12 ft below land-surface datum, Apr. 12, 13, 1978, June 5, 6-7, 8, 1984; lowest, 13.13 ft below land-surface datum, Oct. 29, Nov. 25, 26-Dec. 17, 18, 20, 21-22, 23, 1981.
EXTREMES FOR CURRENT YEAR.--Highest water level, 10.62 ft below land-surface datum, June 24; lowest, 12.79 ft below land-surface datum, Jan. 26, 27-31, Feb. 1.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.81	12.22	12.49	12.66	12.78	12.29	11.84	11.22	---	10.71	11.63	---
2	11.84	12.23	12.50	12.66	12.78	12.28	11.77	11.21	---	10.71	11.65	---
3	11.85	12.24	12.50	12.67	12.77	12.26	11.70	11.21	---	10.73	11.65	---
4	11.87	12.25	12.51	12.67	12.76	12.26	11.64	11.20	---	10.75	11.68	---
5	11.89	12.26	12.52	12.67	12.75	12.25	11.59	11.20	---	10.78	11.71	---
6	11.91	12.27	12.52	12.68	12.74	12.24	11.55	11.19	---	10.79	11.76	---
7	11.94	12.28	12.54	12.68	12.72	12.23	11.51	11.19	---	10.82	11.80	---
8	11.95	12.29	12.55	12.69	12.71	12.22	11.47	11.19	---	10.85	---	---
9	11.97	12.29	12.55	12.69	12.71	12.22	11.44	11.19	---	10.87	---	---
10	11.98	12.30	12.57	12.70	12.70	12.21	11.41	11.19	---	10.90	---	---
11	11.99	12.31	12.57	12.70	12.68	12.21	11.39	11.19	---	10.93	---	---
12	12.01	12.32	12.58	12.71	12.66	12.20	11.36	11.19	---	10.96	---	---
13	12.03	12.33	12.58	12.72	12.63	12.20	11.34	11.19	---	11.00	---	---
14	12.04	12.33	12.59	12.73	12.60	12.19	11.33	11.17	---	11.04	---	---
15	12.05	12.34	12.59	12.73	12.56	12.18	11.32	11.16	---	11.09	---	---
16	12.07	12.35	12.60	12.74	12.53	12.18	11.31	11.14	---	11.14	---	---
17	12.07	12.36	12.60	12.74	12.49	12.18	11.30	11.12	---	11.18	---	---
18	12.09	12.37	12.60	12.75	12.47	12.18	11.29	11.10	---	11.22	---	---
19	12.10	12.38	12.61	12.75	12.44	12.18	11.28	11.07	---	11.25	---	---
20	12.11	12.39	12.61	12.76	12.42	12.17	11.27	11.04	10.64	11.28	---	---
21	12.12	12.41	12.61	12.76	12.40	12.16	11.27	11.02	10.64	11.31	---	---
22	12.14	12.41	12.62	12.77	12.38	12.16	11.26	10.99	10.64	11.34	---	---
23	12.15	12.43	12.62	12.77	12.36	12.15	11.26	10.96	10.63	11.37	---	---
24	12.15	12.43	12.62	12.78	12.35	12.14	11.25	10.93	10.63	11.40	---	---
25	12.16	12.44	12.63	12.78	12.33	12.12	11.24	10.92	10.65	11.43	---	---
26	12.17	12.45	12.63	12.79	12.31	12.11	11.24	10.90	10.67	11.46	---	---
27	12.19	12.46	12.63	12.79	12.30	12.09	11.24	10.88	10.67	11.48	---	---
28	12.19	12.47	12.64	12.79	12.30	12.05	11.23	---	10.68	11.50	---	---
29	12.20	12.47	12.65	12.79	---	12.01	11.22	---	10.69	11.51	---	---
30	12.21	12.48	12.65	12.79	---	11.96	11.22	---	10.70	11.55	---	---
31	12.22	---	12.65	12.79	---	11.90	---	---	---	11.60	---	---
MEAN	12.05	12.35	12.58	12.73	12.56	12.17	11.38	---	---	11.13	---	---
MAX	12.22	12.48	12.65	12.79	12.78	12.29	11.84	---	---	11.60	---	---
MIN	11.81	12.22	12.49	12.66	12.30	11.90	11.22	---	---	10.71	---	---



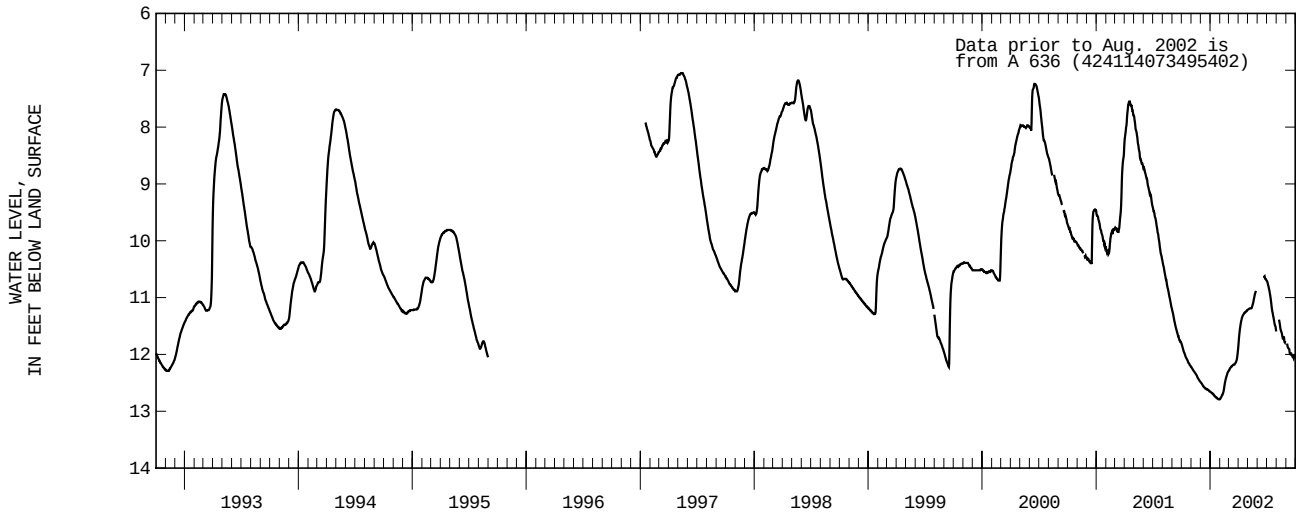
ALBANY COUNTY

424115073495301. Local number, A 654.

LOCATION.--Lat 42°41'15", long 73°49'53", Hydrologic Unit 02020006, SUNY, Fuller Road, Albany.
Owner: U.S. Geological Survey.
AQUIFER.--Water-table aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 30 ft, cased to 30 ft, 2-in. jet point (screen, 15 ft to 25 ft).
INSTRUMENTATION.--Water-stage recorder--hourly.
DATUM.--Elevation of land-surface datum is 260 ft above NGVD of 1929, from topographic map.
Measuring point: Top of inner casing, 3.99 ft above land-surface datum.
REMARKS.--Well was drilled August 2002 as a replacement for 424114073495402 (local number A 636), located about 20 ft south, which had a period of record from May 1974 to August 1995, January 1997 to August 2002. Records prior to October 1976 are unpublished and available in files of the Geological Survey.
PERIOD OF RECORD.--August to September 2002.
EXTREMES FOR CURRENT PERIOD (August to September).--Highest water level, 11.34 ft below land-surface datum, Aug. 8; lowest, 12.08 ft below land-surface datum, Sept. 25.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	11.81
5	---	---	---	---	---	---	---	---	---	---	---	11.84
6	---	---	---	---	---	---	---	---	---	---	---	11.87
7	---	---	---	---	---	---	---	---	---	---	---	11.88
8	---	---	---	---	---	---	---	---	---	---	---	11.89
9	---	---	---	---	---	---	---	---	---	---	11.39	11.90
10	---	---	---	---	---	---	---	---	---	---	11.41	11.90
11	---	---	---	---	---	---	---	---	---	---	11.44	11.91
12	---	---	---	---	---	---	---	---	---	---	11.48	11.96
13	---	---	---	---	---	---	---	---	---	---	11.52	11.98
14	---	---	---	---	---	---	---	---	---	---	11.56	12.00
15	---	---	---	---	---	---	---	---	---	---	11.58	12.00
16	---	---	---	---	---	---	---	---	---	---	11.59	11.98
17	---	---	---	---	---	---	---	---	---	---	11.61	11.98
18	---	---	---	---	---	---	---	---	---	---	11.62	12.00
19	---	---	---	---	---	---	---	---	---	---	11.66	12.01
20	---	---	---	---	---	---	---	---	---	---	11.69	12.02
21	---	---	---	---	---	---	---	---	---	---	11.71	12.04
22	---	---	---	---	---	---	---	---	---	---	11.71	12.04
23	---	---	---	---	---	---	---	---	---	---	11.72	12.05
24	---	---	---	---	---	---	---	---	---	---	11.70	12.05
25	---	---	---	---	---	---	---	---	---	---	11.70	12.07
26	---	---	---	---	---	---	---	---	---	---	11.75	12.05
27	---	---	---	---	---	---	---	---	---	---	11.78	12.01
28	---	---	---	---	---	---	---	---	---	---	11.79	12.02
29	---	---	---	---	---	---	---	---	---	---	11.77	12.04
30	---	---	---	---	---	---	---	---	---	---	---	12.05
31	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---



445052073350201. Local number, Cl 145.

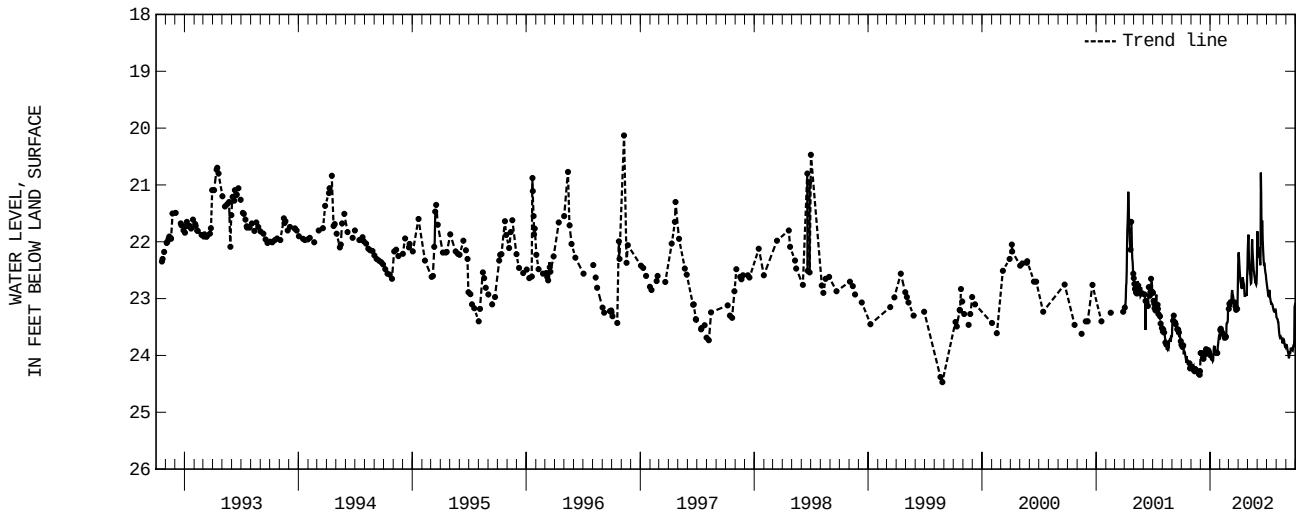
LOCATION.--Lat 44°50'52", long 73°35'02", Hydrologic Unit 02010006, at Altona.
Owner: State University of New York at Plattsburgh.
AQUIFER.--Semi-confined aquifer in Potsdam sandstone of Cambrian age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 78 ft, cased to 5 ft, open hole.
INSTRUMENTATION.--Water-stage recorder--hourly. Prior to Mar. 30, 2002, weekly measurements by observer, and more frequent during independent research studies.
DATUM.--Elevation of land-surface datum is 690 ft above NGVD of 1929, from topographic map.
Measuring points: Top of casing at bottom of v-notch, 1.05 ft above land-surface datum; top of extended casing, between two chisel marks, 4.44 ft above land-surface datum.
PERIOD OF RECORD.--October 1992 to current year. Records prior to October 2000 are unpublished and available in files of the Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.13 ft below land-surface datum, Nov. 9, 1996; lowest, 24.47 ft below land-surface datum, Aug. 26, 1999.
EXTREMES FOR CURRENT YEAR.--Highest water level, 20.48 ft below land-surface datum, June 12; lowest, 24.34 ft below land-surface datum, Nov. 28.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	23.79	OCT 28	24.23	DEC 03	23.96	JAN 04	24.07	JAN 31	23.72	MAR 04	23.02
02	23.81	29	24.19	04	24.00	05	24.08	FEB 01	23.55	05	23.04
03	23.84	30	24.21	05	24.04	06	24.08	02	23.55	06	23.07
04	23.85	NOV 02	24.20	06	23.94	07	24.06	04	23.53	07	23.08
06	23.82	03	24.24	07	23.98	08	24.07	05	23.57	08	23.14
07	23.90	04	24.23	08	24.05	09	24.10	07	23.59	09	23.12
08	23.98	05	24.23	10	24.06	10	24.09	10	23.62	10	22.97
09	23.93	06	24.21	11	24.07	11	23.99	11	23.63	11	22.88
10	23.93	07	24.20	12	24.06	12	23.88	12	23.59	12	22.85
11	23.95	08	24.19	13	23.99	13	23.83	13	23.68	13	22.90
12	23.97	09	24.26	15	23.96	14	23.90	14	23.67	14	22.93
13	24.01	10	24.24	16	23.94	15	23.88	15	23.67	15	22.96
14	24.04	11	24.28	18	23.89	16	23.92	16	23.68	16	23.00
15	24.08	13	24.26	19	23.94	17	23.90	18	23.69	17	23.06
16	24.13	14	24.24	20	23.91	18	23.92	20	23.67	18	23.03
17	24.01	18	24.27	21	23.91	19	23.95	21	23.66	19	23.05
18	24.12	19	24.24	22	23.92	21	23.96	22	23.44	20	23.06
19	24.07	20	24.27	24	23.91	23	23.96	23	23.43	21	23.07
20	24.10	21	24.29	26	23.91	24	23.94	24	23.43	23	23.14
21	24.11	22	24.29	27	23.92	25	23.84	25	23.42	24	23.17
22	24.14	25	24.29	28	23.94	26	23.80	26	23.38	25	23.20
23	24.10	26	24.33	31	23.99	27	23.74	27	23.12	28	23.18
24	24.15	28	24.34	JAN 01	24.03	28	23.70	28	23.13	29	23.15
25	24.13	29	24.28	02	24.05	29	23.65	MAR 01	23.18		
26	24.14	DEC 01	23.96	03	24.05	30	23.65	03	23.09		

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	22.24	22.16	21.82	22.75	23.33	23.83
2	---	---	---	---	---	---	22.19	22.00	22.00	22.78	23.34	23.81
3	---	---	---	---	---	---	22.28	21.88	22.16	22.83	23.35	23.82
4	---	---	---	---	---	---	22.40	22.11	22.26	22.87	23.36	23.85
5	---	---	---	---	---	---	22.50	22.27	22.25	22.92	23.37	23.90
6	---	---	---	---	---	---	22.59	22.38	22.10	22.96	23.41	23.92
7	---	---	---	---	---	---	22.66	22.47	22.16	22.96	23.42	23.94
8	---	---	---	---	---	---	22.71	22.57	22.24	22.96	23.49	23.97
9	---	---	---	---	---	---	22.73	22.58	22.31	22.85	23.57	24.01
10	---	---	---	---	---	---	22.81	22.66	22.41	22.89	23.62	24.05
11	---	---	---	---	---	---	22.81	22.74	22.23	22.96	23.65	24.01
12	---	---	---	---	---	---	22.81	22.73	20.78	23.00	23.68	23.95
13	---	---	---	---	---	---	22.82	22.64	21.19	23.03	23.70	23.95
14	---	---	---	---	---	---	22.68	22.09	21.71	23.07	23.70	23.97
15	---	---	---	---	---	---	22.63	21.96	21.89	23.07	23.69	23.91
16	---	---	---	---	---	---	22.66	22.11	21.62	23.11	23.68	23.86
17	---	---	---	---	---	---	22.70	22.24	21.77	23.09	23.69	23.88
18	---	---	---	---	---	---	22.74	22.33	21.98	23.10	23.70	23.89
19	---	---	---	---	---	---	22.74	22.41	22.12	23.11	23.73	23.89
20	---	---	---	---	---	---	22.87	22.50	22.23	23.13	23.77	23.89
21	---	---	---	---	---	---	22.95	22.52	22.33	23.16	23.79	23.91
22	---	---	---	---	---	---	22.95	22.58	22.41	23.19	23.74	23.92
23	---	---	---	---	---	---	22.95	22.62	22.41	23.21	23.72	23.86
24	---	---	---	---	---	---	22.94	22.67	22.40	23.22	23.72	23.84
25	---	---	---	---	---	---	22.93	22.73	22.47	23.23	23.73	23.85
26	---	---	---	---	---	---	22.93	22.70	22.52	23.22	23.76	23.84
27	---	---	---	---	---	---	22.95	22.74	22.56	23.20	23.81	23.74
28	---	---	---	---	---	---	22.89	22.75	22.58	23.19	23.83	23.14
29	---	---	---	---	---	---	22.59	22.73	22.65	23.19	23.83	23.12
30	---	---	---	---	---	22.86	22.44	22.56	22.70	23.22	23.82	23.13
31	---	---	---	---	---	22.46	---	22.04	---	23.27	23.85	---
MEAN	---	---	---	---	---	---	22.70	22.43	22.14	23.06	23.64	23.82
MAX	---	---	---	---	---	---	22.95	22.75	22.70	23.27	23.85	24.05
MIN	---	---	---	---	---	---	22.19	21.88	20.78	22.75	23.33	23.12


WATER LEVEL,
IN FEET BELOW LAND SURFACE
18
19
20
21
22
23
24
25
26
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
----- Trend line

DUTCHESS COUNTY

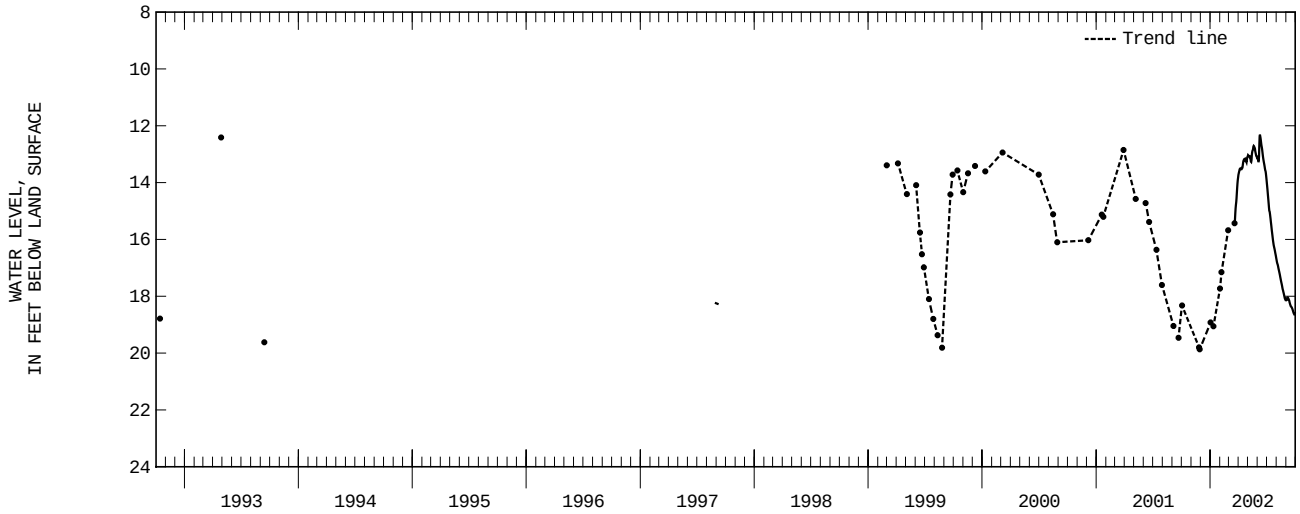
414128073475201. Local number, Du 1009.

LOCATION.--Lat 41°41'28", long 73°47'52", Hydrologic Unit 02020008, James Baird State Park, near Pleasant Valley.
Owner: New York State Department of Environmental Conservation.
AQUIFER.--Water-table aquifer in sand and gravel of Pleistocene age.
WELL CHARACTERISTICS.--Bored observation well, diameter 2.5 in., depth 24.5 ft, filled in from original depth of 28 ft, cased to 25 ft, 1.25-in. well point (60-gauze screen 25 ft to 27 ft, damaged during well installation).
INSTRUMENTATION.--Water-stage recorder--hourly. Prior to March 19, 2002, tape measurement by observer.
DATUM.--Elevation of land-surface datum is 330 ft above NGVD of 1929, from topographic map.
Measuring points: Top of casing, 2.10 ft above land-surface datum; top of extended casing, 2.93 ft above land-surface datum.
PERIOD OF RECORD.--October 1965 to April 1969, June 1971 to July 1989, December 1991 to September 1993, March 1999 to current year. Records prior to October 1976 are unpublished and available in files of the Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.48 ft below land-surface datum, Feb. 3, 1988; lowest, 20.60 ft below land-surface datum, Nov. 24, 1965.
EXTREMES FOR CURRENT YEAR.--Highest water level, 12.30 ft below land-surface datum, June 9; lowest, 19.87 ft below land-surface datum, Nov. 28.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	m17.73	---	13.73	13.08	13.06	14.00	16.70	18.09
2	m18.32	---	---	m18.92	---	---	13.68	13.03	13.11	14.12	16.77	18.10
3	---	---	---	---	---	---	13.63	13.04	13.20	14.24	16.82	18.13
4	---	---	---	---	---	---	13.58	13.06	13.25	14.36	16.86	18.12
5	---	---	---	---	---	---	13.53	13.07	13.25	14.49	16.89	18.06
6	---	---	---	---	m17.15	---	13.51	13.07	13.09	14.62	16.94	18.05
7	---	---	---	---	---	---	13.52	13.08	12.71	14.75	17.00	18.05
8	---	---	---	---	---	---	13.51	13.13	12.38	14.88	17.05	18.08
9	---	---	---	---	---	---	13.50	13.15	12.31	14.99	17.10	18.10
10	---	---	---	---	---	---	13.53	13.19	12.38	15.02	17.15	18.13
11	---	---	---	m19.06	---	---	13.53	13.26	12.44	15.09	17.20	18.16
12	---	---	---	---	---	---	13.51	13.27	12.53	15.18	17.26	18.21
13	---	---	---	---	---	---	13.50	13.21	12.62	15.28	17.32	18.25
14	---	---	---	---	---	---	13.47	13.02	12.70	15.38	17.37	18.29
15	---	---	---	---	---	---	13.39	12.94	12.76	15.47	17.43	18.33
16	---	---	---	---	---	---	13.30	12.88	12.83	15.58	17.48	18.36
17	---	---	---	---	---	---	13.24	12.86	12.92	15.68	17.53	18.36
18	---	---	---	---	---	---	13.21	12.81	13.02	15.77	17.58	18.38
19	---	---	---	---	---	---	13.18	12.73	13.11	15.86	17.64	18.40
20	---	---	---	---	---	15.43	13.17	12.71	13.19	15.96	17.70	18.42
21	---	---	---	---	---	15.29	13.18	12.72	13.25	16.05	17.76	18.45
22	---	---	---	---	---	15.09	13.17	12.75	13.31	16.12	17.80	18.48
23	---	---	---	---	---	14.91	13.22	12.77	13.37	16.20	17.84	18.52
24	---	---	---	---	---	14.78	13.25	12.81	13.43	16.25	17.89	18.56
25	---	---	---	---	---	14.68	13.25	12.90	13.51	16.30	17.94	18.59
26	---	m19.80	---	---	---	14.55	13.26	12.95	13.57	16.35	17.99	18.62
27	---	---	---	---	m15.68	14.37	13.28	13.00	13.60	16.40	18.04	18.64
28	---	m19.87	---	---	---	14.18	13.21	13.06	13.67	16.47	18.08	18.63
29	---	---	---	---	---	14.03	13.13	13.07	13.78	16.52	18.11	18.59
30	---	---	---	---	---	13.91	13.09	13.10	13.89	16.58	18.09	18.57
31	---	---	---	---	---	13.82	---	13.13	---	16.64	18.08	---
MEAN	---	---	---	---	---	---	13.38	13.00	13.07	15.50	17.46	18.32
MAX	---	---	---	---	---	---	13.73	13.27	13.89	16.64	18.11	18.64
MIN	---	---	---	---	---	---	13.09	12.71	12.31	14.00	16.70	18.05

m Instantaneous measurement



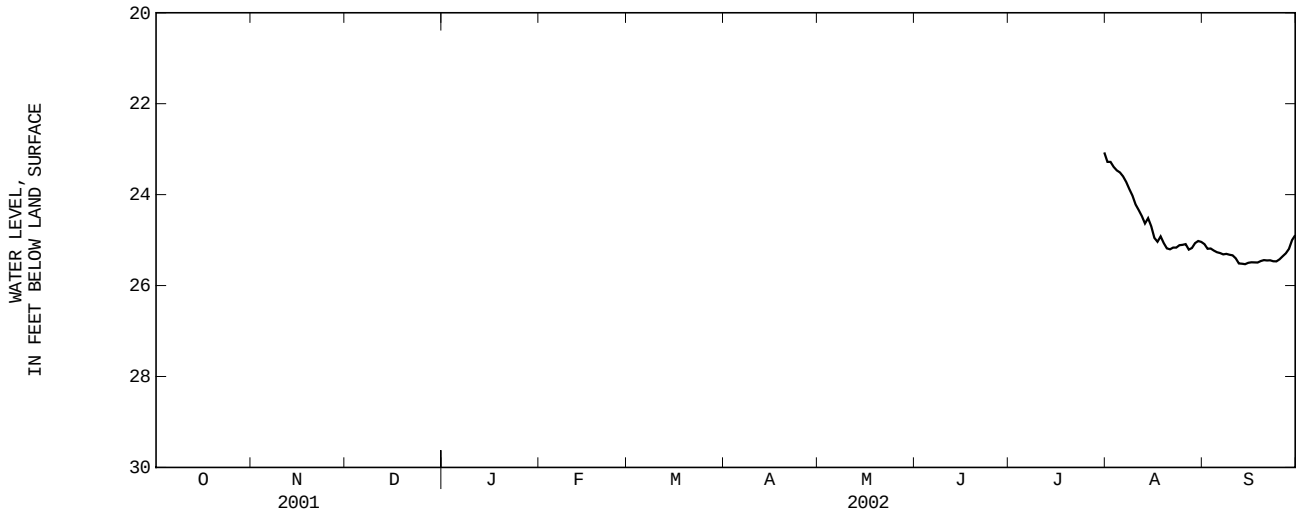
ESSEX COUNTY

435253073440701. Local number, Ex 150.

LOCATION.--Lat 43°52'53", long 73°44'07", Hydrologic Unit 02020001, at Severence.
Owner: U.S. Geological Survey.
AQUIFER.--Water-table aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 26.9 ft, cased to 16.9 ft (screen, 16.9 ft to 26.9 ft).
INSTRUMENTATION.--Water-stage recorder--hourly.
DATUM.--Elevation of land-surface datum is 850 ft above NGVD of 1929, from topographic map.
Measuring point: Top of casing, 3.12 ft above land-surface datum.
PERIOD OF RECORD.--July 30 to September 2002.
EXTREMES FOR CURRENT PERIOD (July to September).--Highest water level, 22.58 ft below land-surface datum, July 30; lowest, 25.56 ft below land-surface datum, Sept. 14.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	23.28	25.09
2	---	---	---	---	---	---	---	---	---	---	23.28	25.19
3	---	---	---	---	---	---	---	---	---	---	23.39	25.19
4	---	---	---	---	---	---	---	---	---	---	23.47	25.23
5	---	---	---	---	---	---	---	---	---	---	23.51	25.27
6	---	---	---	---	---	---	---	---	---	---	23.60	25.28
7	---	---	---	---	---	---	---	---	---	---	23.72	25.31
8	---	---	---	---	---	---	---	---	---	---	23.88	25.30
9	---	---	---	---	---	---	---	---	---	---	24.02	25.32
10	---	---	---	---	---	---	---	---	---	---	24.22	25.34
11	---	---	---	---	---	---	---	---	---	---	24.34	25.40
12	---	---	---	---	---	---	---	---	---	---	24.47	25.51
13	---	---	---	---	---	---	---	---	---	---	24.64	25.52
14	---	---	---	---	---	---	---	---	---	---	24.52	25.53
15	---	---	---	---	---	---	---	---	---	---	24.70	25.50
16	---	---	---	---	---	---	---	---	---	---	24.95	25.49
17	---	---	---	---	---	---	---	---	---	---	25.04	25.49
18	---	---	---	---	---	---	---	---	---	---	24.92	25.49
19	---	---	---	---	---	---	---	---	---	---	25.07	25.46
20	---	---	---	---	---	---	---	---	---	---	25.18	25.44
21	---	---	---	---	---	---	---	---	---	---	25.20	25.45
22	---	---	---	---	---	---	---	---	---	---	25.16	25.44
23	---	---	---	---	---	---	---	---	---	---	25.16	25.47
24	---	---	---	---	---	---	---	---	---	---	25.11	25.47
25	---	---	---	---	---	---	---	---	---	---	25.10	25.42
26	---	---	---	---	---	---	---	---	---	---	25.09	25.36
27	---	---	---	---	---	---	---	---	---	---	25.21	25.29
28	---	---	---	---	---	---	---	---	---	---	25.17	25.19
29	---	---	---	---	---	---	---	---	---	---	25.07	25.00
30	---	---	---	---	---	---	---	---	---	---	25.02	24.89
31	---	---	---	---	---	---	---	---	---	23.07	25.04	---
MEAN	---	---	---	---	---	---	---	---	---	---	24.53	25.34
MAX	---	---	---	---	---	---	---	---	---	---	25.21	25.53
MIN	---	---	---	---	---	---	---	---	---	---	23.28	24.89



HAMILTON COUNTY

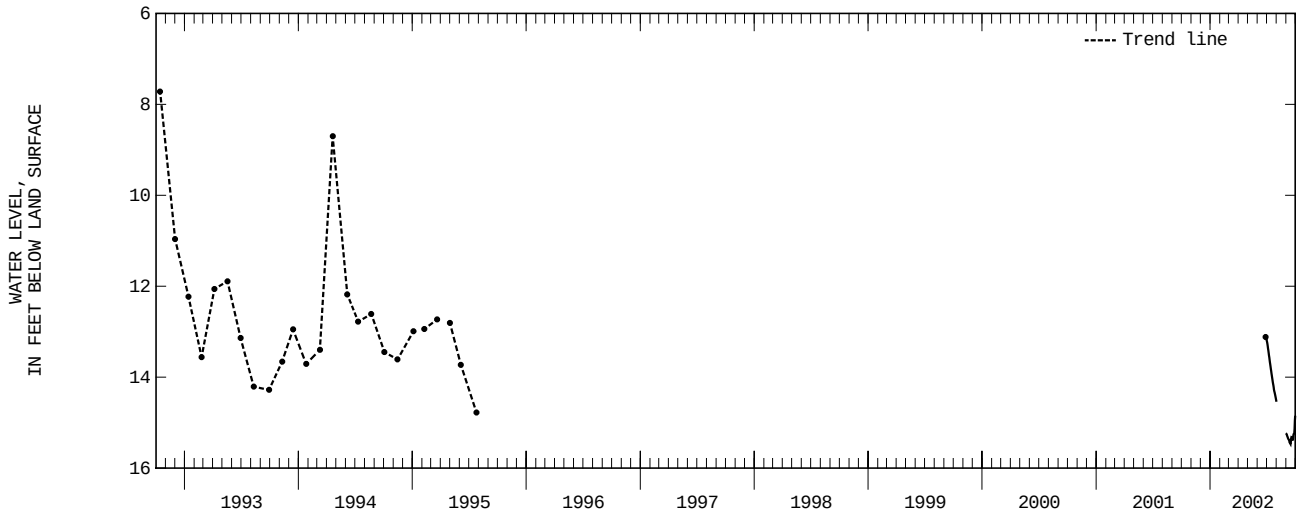
432832074122201. Local number, H 3.

LOCATION.--Lat 43°28'32", long 74°12'22", Hydrologic Unit 02020002, near Griffin.
Owner: Private.
AQUIFER.--Water-table aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Bored observation well, diameter 2.5 in., depth 16.7 ft in Aug. 2002, filled in from original depth of 19 ft, cased to 16 ft, 1.25-in. well point (60-gauze screen, 16 ft to 19 ft, damaged during well installation).
INSTRUMENTATION.--Water-stage recorder--15-minute interval. Prior to June 2002, tape measurements by USGS personnel.
DATUM.--Elevation of land-surface datum is 1,290 ft above NGVD of 1929, from topographic map.
Measuring points: Top of casing, 1.55 ft above land-surface datum as of October 1984; top of shelter shelf, 2.44 ft above land-surface datum.
REMARKS.--Well casing believed to have settled about 0.75 ft shortly after installation. All published records prior to 1985 water year should be adjusted accordingly.
PERIOD OF RECORD.--November 1965 to August 1995, March and June to September 2002. Records prior to October 1976 are unpublished and available in files of the Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.38 ft below land-surface datum, June 6, 1980; lowest, 16.19 ft below land-surface datum, Oct. 21, 1969.
EXTREMES FOR CURRENT PERIOD (March and June to September).--Highest water level, 11.61 ft below land-surface datum, Mar. 27; lowest, 15.48 ft below land-surface datum, Sept. 15.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	13.20	14.54	15.24
2	---	---	---	---	---	---	---	---	---	13.23	---	15.25
3	---	---	---	---	---	---	---	---	---	13.27	---	15.26
4	---	---	---	---	---	---	---	---	---	13.32	---	15.29
5	---	---	---	---	---	---	---	---	---	13.37	---	15.31
6	---	---	---	---	---	---	---	---	---	13.42	---	15.32
7	---	---	---	---	---	---	---	---	---	13.47	---	15.35
8	---	---	---	---	---	---	---	---	---	13.52	---	15.36
9	---	---	---	---	---	---	---	---	---	13.57	---	15.37
10	---	---	---	---	---	---	---	---	---	13.62	---	15.38
11	---	---	---	---	---	---	---	---	m12.35	13.67	---	15.40
12	---	---	---	---	---	---	---	---	---	13.72	---	15.44
13	---	---	---	---	---	---	---	---	---	13.77	---	15.44
14	---	---	---	---	---	---	---	---	---	13.82	---	15.46
15	---	---	---	---	---	---	---	---	---	13.86	---	15.47
16	---	---	---	---	---	---	---	---	---	13.92	---	15.42
17	---	---	---	---	---	---	---	---	---	13.96	---	15.36
18	---	---	---	---	---	---	---	---	---	14.01	---	15.32
19	---	---	---	---	---	---	---	---	---	14.05	---	15.32
20	---	---	---	---	---	---	---	---	m12.78	14.10	---	15.34
21	---	---	---	---	---	---	---	---	---	14.14	---	15.37
22	---	---	---	---	---	---	---	---	---	14.18	---	15.39
23	---	---	---	---	---	---	---	---	---	14.22	---	15.36
24	---	---	---	---	---	---	---	---	---	14.28	---	15.29
25	---	---	---	---	---	---	---	---	---	14.31	---	15.25
26	---	---	---	---	---	---	---	---	---	14.34	---	15.25
27	---	---	---	---	---	m11.61	---	---	13.11	14.37	---	15.24
28	---	---	---	---	---	---	---	---	13.14	14.40	---	15.14
29	---	---	---	---	---	---	---	---	13.15	14.43	---	14.95
30	---	---	---	---	---	---	---	---	13.18	14.47	---	14.85
31	---	---	---	---	---	---	---	---	---	14.51	15.23	---
MEAN	---	---	---	---	---	---	---	---	---	13.89	---	15.31
MAX	---	---	---	---	---	---	---	---	---	14.51	---	15.47
MIN	---	---	---	---	---	---	---	---	---	13.20	---	14.85

m Instantaneous measurement



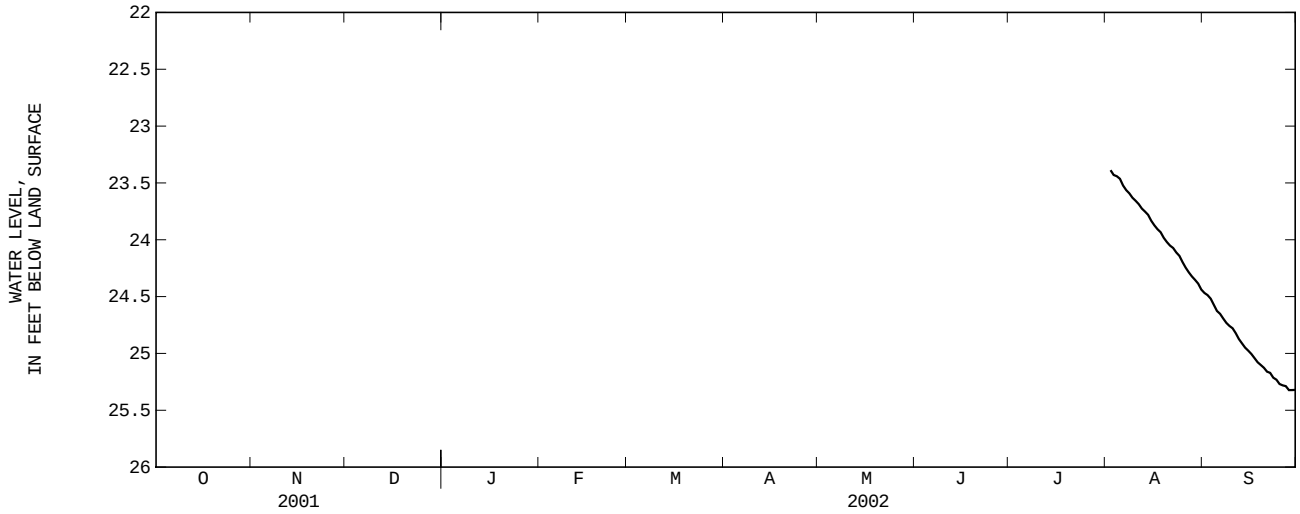
LEWIS COUNTY

440939075191301. Local number, L 174.

LOCATION.--Lat 44°09'39", long 75°19'13", Hydrologic Unit 04150302, at Harrisville.
Owner: U.S. Geological Survey.
AQUIFER.--Water-table aquifer in sand and gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 44.8 ft, cased to 35 ft (screen, 35 ft to 40 ft).
INSTRUMENTATION.--Water-stage recorder--hourly.
DATUM.--Elevation of land-surface datum is 780 ft above NGVD of 1929, from topographic map.
Measuring points: Top of casing, 3.22 ft above land-surface datum; area between two chisel marks on metal strip located over opening on shelter shelf, 3.50 ft above land-surface datum.
PERIOD OF RECORD.--August to September 2002.
EXTREMES FOR CURRENT PERIOD (August to September).--Highest water level, 23.35 ft below land-surface datum, Aug. 1; lowest, 25.33 ft below land-surface datum, Sept. 28, 29, 30.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	24.47
2	---	---	---	---	---	---	---	---	---	---	23.39	24.49
3	---	---	---	---	---	---	---	---	---	---	23.43	24.52
4	---	---	---	---	---	---	---	---	---	---	23.44	24.57
5	---	---	---	---	---	---	---	---	---	---	23.46	24.63
6	---	---	---	---	---	---	---	---	---	---	23.52	24.65
7	---	---	---	---	---	---	---	---	---	---	23.56	24.69
8	---	---	---	---	---	---	---	---	---	---	23.59	24.73
9	---	---	---	---	---	---	---	---	---	---	23.63	24.76
10	---	---	---	---	---	---	---	---	---	---	23.66	24.78
11	---	---	---	---	---	---	---	---	---	---	23.69	24.82
12	---	---	---	---	---	---	---	---	---	---	23.73	24.87
13	---	---	---	---	---	---	---	---	---	---	23.75	24.91
14	---	---	---	---	---	---	---	---	---	---	23.78	24.95
15	---	---	---	---	---	---	---	---	---	---	23.83	24.98
16	---	---	---	---	---	---	---	---	---	---	23.87	25.00
17	---	---	---	---	---	---	---	---	---	---	23.91	25.04
18	---	---	---	---	---	---	---	---	---	---	23.93	25.08
19	---	---	---	---	---	---	---	---	---	---	23.98	25.10
20	---	---	---	---	---	---	---	---	---	---	24.02	25.13
21	---	---	---	---	---	---	---	---	---	---	24.05	25.16
22	---	---	---	---	---	---	---	---	---	---	24.07	25.17
23	---	---	---	---	---	---	---	---	---	---	24.11	25.21
24	---	---	---	---	---	---	---	---	---	---	24.14	25.23
25	---	---	---	---	---	---	---	---	---	---	24.20	25.27
26	---	---	---	---	---	---	---	---	---	---	24.25	25.28
27	---	---	---	---	---	---	---	---	---	---	24.29	25.29
28	---	---	---	---	---	---	---	---	---	---	24.32	25.32
29	---	---	---	---	---	---	---	---	---	---	24.35	25.32
30	---	---	---	---	---	---	---	---	---	---	24.39	25.32
31	---	---	---	---	---	---	---	---	---	---	24.44	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	24.96
MAX	---	---	---	---	---	---	---	---	---	---	---	25.32
MIN	---	---	---	---	---	---	---	---	---	---	---	24.47



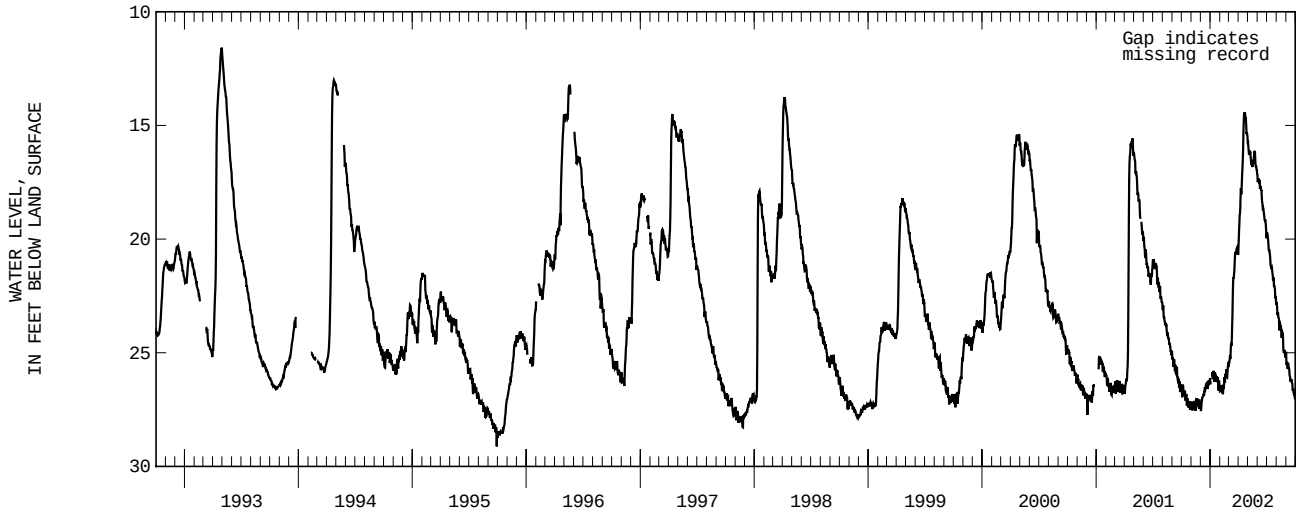
ONEIDA COUNTY

433112075091501. Local number, Oe 151.

LOCATION.--Lat 43°31'12", long 75°09'15", Hydrologic Unit 04150101, at Woodgate.
Owner: Private.
AQUIFER.--Water-table aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Dug domestic well, diameter 36 in., depth 30.9 ft in May 1996, stone-lined.
INSTRUMENTATION.--Water-stage recorder--hourly. Prior to September 8, 1991, tape gage read weekly by observer.
DATUM.--Elevation of land-surface datum is 1,484.94 ft above NGVD of 1929.
Measuring point: Top of 2-ft square concrete well cover at midpoint of south side of rectangular opening, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--July 1926 to August 1945, October 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.43 ft below land-surface datum, Apr. 3, 1976; lowest, 30.31 ft below land-surface datum, Feb. 25, 1961.
EXTREMES FOR CURRENT YEAR.--Highest water level, 14.27 ft below land-surface datum, Apr. 20; lowest, 28.32 ft below land-surface datum, Nov. 14.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.57	27.34	27.36	26.26	26.70	25.57	20.43	15.75	17.17	19.82	22.78	25.05
2	26.45	27.25	27.56	26.40	26.69	25.41	20.07	15.74	17.50	19.71	22.92	25.51
3	26.96	27.32	27.41	---	26.68	25.41	19.66	15.97	17.40	19.78	22.96	25.51
4	26.62	27.54	27.20	---	26.72	25.32	19.34	16.14	17.40	19.87	23.34	25.40
5	26.40	27.40	27.11	---	26.48	25.13	18.97	16.29	17.43	20.02	23.26	25.54
6	26.47	27.16	26.98	26.05	26.43	25.28	18.86	16.19	17.34	20.18	23.23	25.71
7	26.84	27.46	26.95	26.03	26.50	25.03	18.64	16.10	17.58	20.46	23.44	25.55
8	26.88	27.42	26.94	25.85	26.70	24.67	18.08	16.25	17.42	20.49	23.46	25.53
9	26.68	27.13	26.92	26.16	26.79	24.57	17.77	16.15	17.79	20.45	23.52	25.68
10	26.79	27.51	26.84	25.96	26.79	24.69	18.03	16.36	17.71	20.58	24.01	25.68
11	26.71	27.36	26.81	25.79	26.74	24.32	17.83	16.51	17.66	20.68	23.89	25.74
12	26.71	27.17	26.88	25.86	26.40	23.75	17.50	16.65	17.76	20.84	23.79	26.00
13	27.02	27.18	26.70	25.92	26.57	23.26	17.13	16.64	17.87	21.15	23.75	26.04
14	27.11	27.56	26.57	26.28	26.38	22.45	16.85	16.65	17.84	21.18	23.80	26.09
15	26.96	27.43	26.58	26.01	26.07	21.87	16.54	16.77	18.18	21.27	23.85	26.27
16	26.81	27.13	26.61	25.86	26.19	21.69	16.05	16.83	18.38	21.26	23.96	26.16
17	27.11	27.15	26.53	26.14	26.32	21.74	15.33	16.61	18.44	21.24	24.27	26.21
18	27.34	27.34	26.39	26.02	25.96	21.53	14.85	16.58	18.63	21.34	24.35	26.17
19	27.00	27.15	26.39	26.01	25.94	21.38	14.54	16.68	18.61	21.50	24.15	26.27
20	27.05	27.01	26.36	26.29	26.05	21.04	14.44	16.50	18.65	21.59	24.11	26.31
21	27.20	27.29	26.42	26.23	25.81	20.73	14.49	16.33	18.79	21.83	24.17	26.40
22	27.39	27.19	26.48	26.03	25.73	20.56	14.42	16.20	18.90	21.68	24.34	26.67
23	27.13	27.31	26.59	26.13	26.07	20.65	14.63	16.12	19.03	21.76	24.87	26.62
24	27.43	27.36	26.44	26.16	26.08	20.64	14.74	16.18	19.16	22.09	24.96	26.56
25	27.31	27.33	26.23	26.09	25.85	20.58	14.72	16.49	19.18	22.06	25.01	26.77
26	27.13	27.10	26.44	26.36	25.65	20.43	14.97	16.75	19.13	22.13	24.92	26.81
27	27.21	27.09	26.38	26.66	25.53	20.42	15.38	16.83	19.25	22.18	24.87	26.78
28	27.52	27.46	26.22	26.47	25.56	20.35	15.29	16.78	19.39	22.54	25.02	26.90
29	27.37	27.23	26.33	26.23	---	20.33	15.38	16.93	19.65	22.53	25.21	27.02
30	27.15	27.16	26.32	26.39	---	20.42	15.48	16.95	19.96	22.55	25.07	27.05
31	27.25	---	26.11	26.44	---	20.69	---	17.14	---	22.88	25.07	---
MEAN	26.99	27.28	26.68	---	26.26	22.58	16.68	16.45	18.31	21.21	24.08	26.13
MAX	27.52	27.56	27.56	---	26.79	25.57	20.43	17.14	19.96	22.88	25.21	27.05
MIN	26.40	27.01	26.11	---	25.53	20.33	14.42	15.74	17.17	19.71	22.78	25.05



ROCKLAND COUNTY

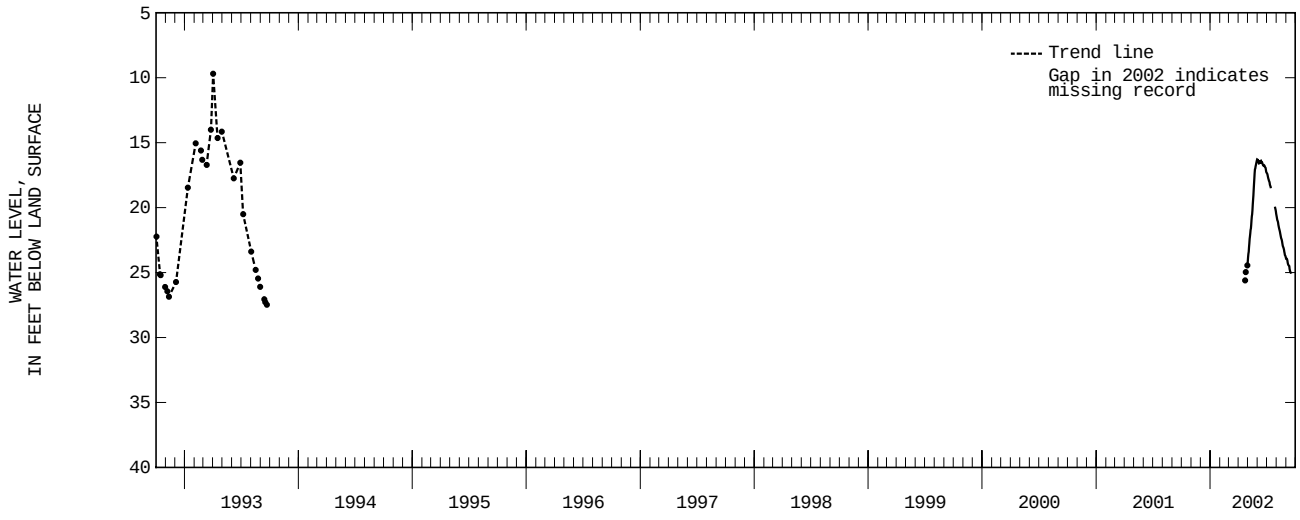
411802073593001. Local number, Ro 18.

LOCATION.--Lat 41°18'02", long 73°59'30", Hydrologic Unit 02030101, in Bear Mountain State Park near Lemon Road and Seven Lakes Drive.
Owner: Palisades Interstate Park Commission.
AQUIFER.--Semi-confined aquifer in Storm King granite of Precambrian age.
WELL CHARACTERISTICS.--Drilled unused well, diameter 6 in., depth 60 ft, cased to 53 ft, open hole.
INSTRUMENTATION.--Water-stage recorder--hourly. Prior to Apr. 29, 2002, non-recording gage usually read weekly by observer.
DATUM.--Elevation of land-surface datum is 390 ft above NGVD of 1929, from topographic map.
Measuring point: Top of extended casing, 3.65 ft above land-surface datum.
PERIOD OF RECORD.--July 1949 to September 1990, November 1991 to September 1993, March to September 2002.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.32 ft below land-surface datum, Apr. 6, 1984; lowest, 33.02 ft below land-surface datum, Feb. 6, 1981.
EXTREMES FOR CURRENT PERIOD (March to September).--Highest water level, 16.23 ft below land-surface datum, May 31; lowest, 29.96 ft below land-surface datum, Mar. 4.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	24.16	16.30	17.34	20.60	23.93
2	---	---	---	---	---	---	---	23.81	16.35	17.37	20.74	23.93
3	---	---	---	---	---	---	---	23.55	16.51	17.44	20.88	23.93
4	---	---	---	---	---	m29.96	---	23.40	16.53	17.55	20.99	23.99
5	---	---	---	---	---	---	---	23.06	16.46	17.67	21.04	24.08
6	---	---	---	---	---	---	---	22.76	16.50	17.78	21.14	24.24
7	---	---	---	---	---	---	---	22.41	16.58	17.85	21.31	24.35
8	---	---	---	---	---	---	---	22.22	16.57	17.95	21.44	24.41
9	---	---	---	---	---	---	---	21.99	16.45	17.98	21.56	24.44
10	---	---	---	---	---	---	---	21.71	16.44	18.09	21.65	24.48
11	---	---	---	---	---	---	---	21.60	16.40	18.24	21.75	24.51
12	---	---	---	---	---	---	---	21.34	16.39	18.32	21.86	24.71
13	---	---	---	---	---	---	---	20.96	16.52	18.38	21.98	24.83
14	---	---	---	---	---	---	---	20.66	16.51	18.51	22.11	24.93
15	---	---	---	---	---	---	---	20.52	16.49	---	22.25	24.98
16	---	---	---	---	---	---	---	20.20	16.53	---	22.35	25.01
17	---	---	---	---	---	---	---	19.75	16.59	---	22.42	25.08
18	---	---	---	---	---	---	---	19.39	16.68	---	22.50	---
19	---	---	---	---	---	---	---	19.08	16.74	---	22.62	---
20	---	---	---	---	---	---	---	18.61	16.76	---	22.77	---
21	---	---	---	---	---	---	---	18.16	16.74	---	22.92	---
22	---	---	---	---	---	---	---	17.79	16.73	---	23.01	---
23	---	---	---	---	---	---	m25.61	17.35	16.76	---	23.05	---
24	---	---	---	---	---	---	---	17.04	16.79	---	23.14	---
25	---	---	---	---	---	---	---	16.99	16.88	---	23.23	---
26	---	---	---	---	---	---	---	16.84	16.90	---	23.39	---
27	---	---	---	---	---	---	---	16.73	16.94	19.93	23.50	---
28	---	---	---	---	---	---	---	16.61	17.07	20.05	23.65	---
29	---	---	---	---	---	---	---	16.50	17.24	20.15	23.70	---
30	---	---	---	---	---	---	24.44	16.38	17.30	20.29	23.74	---
31	---	---	---	---	---	---	---	16.29	---	20.47	23.85	---
MEAN	---	---	---	---	---	---	---	19.93	16.66	---	22.29	---
MAX	---	---	---	---	---	---	---	24.16	17.30	---	23.85	---
MIN	---	---	---	---	---	---	---	16.29	16.30	---	20.60	---

m Instantaneous measurement



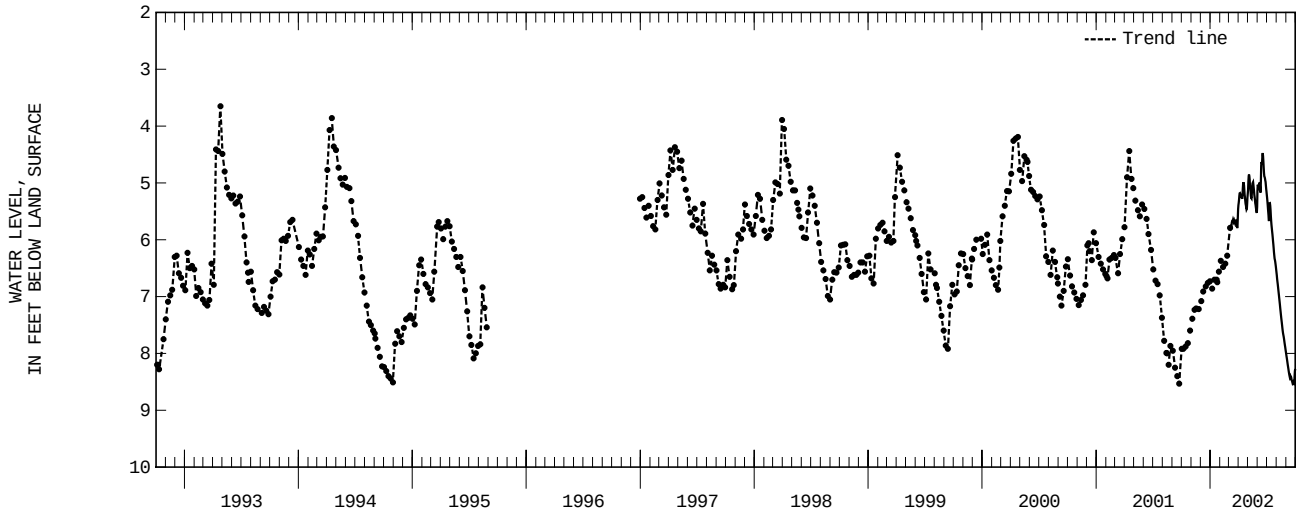
444904074455201. Local number, St 40.

LOCATION.--Lat 44°49'04", long 74°45'52", Hydrologic Unit 04150306, near Brasher Falls.
Owner: New York State Department of Environmental Conservation.
AQUIFER.--Water-table aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Dug unused well, diameter 36 in., depth 11.3 ft in October 1985, filled in from original depth of 12 ft, concrete cased to 12 ft, open end.
INSTRUMENTATION.--Water-stage recorder--hourly. Prior to March 2002, tape gage read weekly by observer.
DATUM.--Elevation of land-surface datum is 300 ft above NGVD of 1929, from topographic map.
Measuring point: Chiseled mark on top edge of 6-in. by 8-in. opening of concrete well cover, 0.65 ft above land-surface datum.
PERIOD OF RECORD.--May 1953 to August 1995, December 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.24 ft below land-surface datum, Apr. 21, 1971; lowest, 9.38 ft below land-surface datum, Oct. 24, 1964.
EXTREMES FOR CURRENT YEAR.--Highest water level, 4.47 ft below land-surface datum, June 17, 18; lowest, 8.55 ft below land-surface datum, Sept. 26, 27.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	r7.92	---	---	---	---	---	5.39	5.19	5.14	5.21	6.57	8.01
2	---	---	---	---	---	---	5.35	5.12	5.03	5.27	6.62	8.04
3	---	---	r7.08	---	---	---	5.30	4.97	5.05	5.33	6.68	8.08
4	---	r7.39	---	---	r6.37	---	5.23	4.88	5.09	5.39	6.73	8.12
5	---	---	---	---	---	5.79	5.18	4.85	5.13	5.47	6.78	8.16
6	---	---	---	---	---	5.78	5.18	4.88	5.06	5.54	6.83	8.19
7	r7.92	---	---	r6.86	---	5.80	5.20	4.94	5.00	5.61	6.88	8.23
8	---	---	---	---	---	5.82	5.21	5.04	5.00	5.67	6.93	8.27
9	---	---	r6.91	---	---	5.81	5.22	5.07	5.05	5.44	6.99	8.30
10	---	---	---	---	---	5.74	5.25	5.15	5.13	5.36	7.04	8.34
11	---	r7.23	---	---	r6.48	5.69	5.26	5.23	5.17	5.36	7.09	8.37
12	---	---	---	---	---	5.67	5.25	5.26	4.97	5.40	7.14	8.40
13	---	---	---	---	---	5.66	5.28	5.27	4.69	5.48	7.20	8.43
14	r7.88	---	---	r6.70	---	5.67	5.22	5.19	4.64	5.58	7.25	8.45
15	---	---	---	---	---	5.64	5.11	5.10	4.65	5.67	7.31	8.45
16	---	---	---	---	---	5.66	5.03	5.01	4.62	5.74	7.36	8.41
17	---	r7.21	r6.82	---	---	5.68	4.99	5.00	4.51	5.79	7.41	8.42
18	---	---	---	---	r6.42	5.66	5.01	4.99	4.47	5.85	7.46	8.45
19	---	---	---	---	---	5.69	5.04	5.03	4.53	5.90	7.51	8.47
20	---	---	---	---	---	5.68	5.13	5.09	4.63	5.96	7.56	8.49
21	r7.82	---	---	r6.70	---	5.67	5.21	5.14	4.73	6.02	7.60	8.51
22	---	---	---	---	---	5.67	5.25	5.21	4.83	6.08	7.65	8.53
23	---	---	---	r6.75	---	5.67	5.32	5.25	4.88	6.15	7.67	8.52
24	---	---	r6.76	---	r6.28	5.71	5.37	5.29	4.90	6.22	7.70	8.51
25	---	r7.22	---	---	---	5.75	5.39	5.35	4.92	6.28	7.74	8.53
26	---	---	---	---	---	5.75	5.43	5.39	4.95	6.33	7.78	8.54
27	---	---	---	---	---	5.76	5.47	5.43	4.98	6.35	7.82	8.54
28	r7.60	---	---	r6.56	---	5.79	5.46	5.47	5.04	6.39	7.86	8.40
29	---	---	---	---	---	5.77	5.37	5.51	5.11	6.43	7.89	8.31
30	---	---	---	---	---	5.62	5.25	5.53	5.16	6.48	7.93	8.27
31	---	---	r6.73	---	---	5.46	---	5.42	---	6.52	7.97	---
MEAN	---	---	---	---	---	---	5.25	5.17	4.90	5.82	7.32	8.36
MAX	---	---	---	---	---	---	5.47	5.53	5.17	6.52	7.97	8.54
MIN	---	---	---	---	---	---	4.99	4.85	4.47	5.21	6.57	8.01

r Instantaneous reading



SARATOGA COUNTY

425242073473201. Local number, Sa 1100.

LOCATION.--Lat 42°52'42", long 73°47'32", Hydrologic Unit 02020004, near Clifton Park.
Owner: Country Knolls Water Works.
AQUIFER.--Confined aquifer in sand and gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled unused well, diameter 6 in., depth 180 ft, cased to 180 ft, open end.
INSTRUMENTATION.--Weekly tape measurement by observer. March 1985 to May 1999, water-stage recorder (hourly), prior to March 1985, tape measurements.
DATUM.--Elevation of land-surface datum is 248 ft above NGVD of 1929, from topographic map.
Measuring point: Top of casing, 3.00 ft above land-surface datum.
REMARKS.--Water level affected by pumping from nearby public-supply well.
PERIOD OF RECORD.--April 1983 to current year.
EXTREMES OUTSIDE PERIOD OF RECORD.--Highest water level measured, 5.52 ft below land-surface datum, June 1, 1973, initial water level after construction completion, prior to pumping affect.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 21.84 ft below land-surface datum, Mar. 23, 24, 1986; lowest, 111.99 ft below land-surface datum, Aug. 3, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	85.65	JAN 04	80.98	FEB 27	75.10	APR 26	69.08	JUN 25	81.59	AUG 28	96.90
NOV 14	80.65	09	80.73	28	75.32	30	72.90	27	81.07	30	94.72
21	79.98	18	81.90	MAR 08	76.32	MAY 10	72.32	JUL 05	86.65	SEP 06	94.98
27	81.54	23	80.07	13	77.15	15	70.73	09	89.15	14	90.90
28	81.73	28	78.15	28	77.46	24	71.15	15	90.90	18	90.48
DEC 03	80.15	29	78.28	30	79.73	28	78.67	24	92.98	26	90.07
13	79.57	FEB 06	78.15	APR 03	73.98	JUN 07	87.07	26	93.40	30	88.20
20	84.73	12	77.57	09	71.23	14	74.98	AUG 09	96.48		
26	82.15	19	76.90	19	71.07	21	79.82	20	97.15		

WATER YEAR 2002 HIGHEST 69.08 APR 26, 2002 LOWEST 97.15 AUG 20, 2002

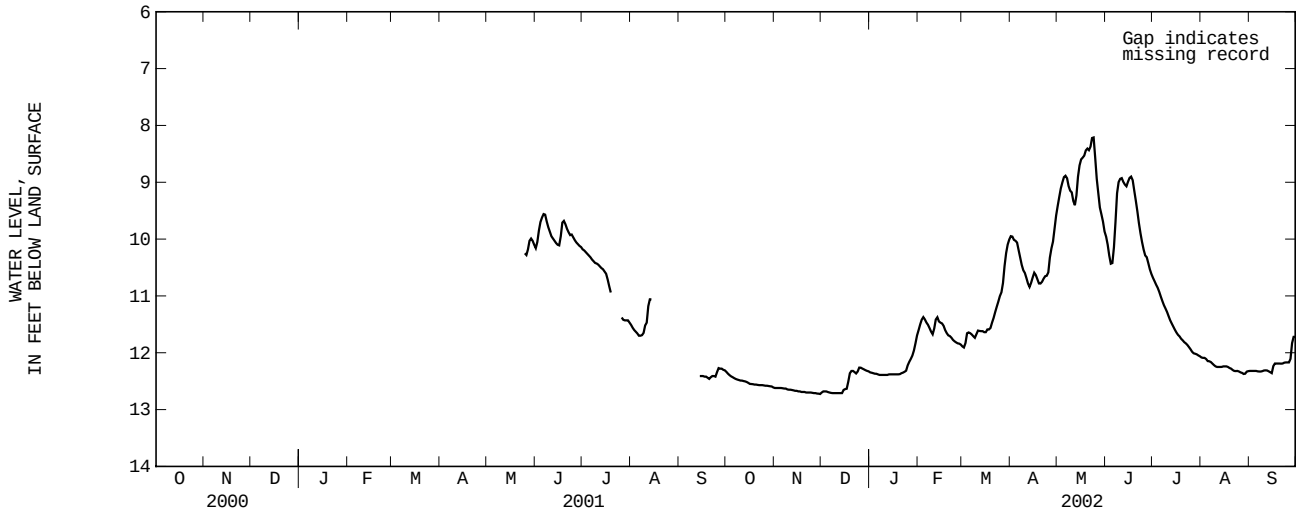
SULLIVAN COUNTY

414525074360601. Local number, Sv 535.

LOCATION.--Lat 41°45'25", long 74°36'06", Hydrologic Unit 02040104, at Woodbourne.
Owner: New York State Department of Environmental Conservation.
AQUIFER.--Water-table aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 37.5 ft in May 2001, filled in from original depth of 40 ft, cased to 37.5 ft, 2-in. well point (10-slotted screen 37.5 ft to 40 ft).
INSTRUMENTATION.--Water-stage recorder--15-minute interval.
DATUM.--Elevation of land-surface datum is 1,180 ft above NGVD of 1929, from topographic map.
Measuring point: Top of casing, 0.86 ft above land-surface datum.
PERIOD OF RECORD.--May 2001 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.18 ft below land-surface datum, May 24, 2002; lowest, 12.73 ft below land-surface datum, Nov. 30, Dec. 1, 2001.
EXTREMES FOR CURRENT YEAR.--Highest water level, 8.18 ft below land-surface datum, May 24; lowest, 12.73 ft below land-surface datum, Nov. 30, Dec. 1.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.34	12.62	12.70	12.35	11.60	11.89	9.95	9.42	9.96	10.68	12.08	12.32
2	12.37	12.62	12.68	12.35	11.50	11.91	9.96	9.26	10.10	10.74	12.09	12.32
3	12.39	12.62	12.68	12.36	11.42	11.83	10.01	9.11	10.29	10.80	12.09	12.32
4	12.42	12.62	12.68	12.37	11.37	11.66	10.03	9.00	10.43	10.86	12.11	12.32
5	12.43	12.62	12.69	12.37	11.41	11.64	10.06	8.91	10.42	10.93	12.15	12.32
6	12.45	12.62	12.70	12.38	11.47	11.66	10.19	8.89	10.14	11.01	12.15	12.33
7	12.46	12.63	12.71	12.39	11.51	11.68	10.32	8.93	9.70	11.09	12.16	12.33
8	12.47	12.63	12.71	12.39	11.57	11.71	10.45	9.07	9.19	11.16	12.19	12.33
9	12.48	12.64	12.71	12.39	11.63	11.74	10.55	9.15	9.00	11.22	12.22	12.32
10	12.49	12.65	12.71	12.39	11.68	11.67	10.60	9.18	8.94	11.28	12.24	12.31
11	12.49	12.65	12.71	12.39	11.57	11.61	10.69	9.33	8.93	11.36	12.25	12.31
12	12.50	12.66	12.71	12.39	11.42	11.62	10.78	9.40	8.99	11.43	12.25	12.31
13	12.50	12.66	12.71	12.38	11.38	11.62	10.84	9.23	9.04	11.49	12.25	12.33
14	12.51	12.67	12.71	12.38	11.45	11.62	10.77	8.90	9.07	11.54	12.25	12.34
15	12.53	12.67	12.65	12.38	11.47	11.64	10.67	8.70	8.99	11.59	12.24	12.36
16	12.55	12.68	12.64	12.38	11.48	11.64	10.59	8.60	8.92	11.64	12.24	12.23
17	12.55	12.68	12.63	12.38	11.53	11.59	10.63	8.57	8.90	11.68	12.24	12.19
18	12.55	12.69	12.51	12.38	11.60	11.59	10.71	8.53	8.96	11.71	12.25	12.19
19	12.56	12.69	12.36	12.38	11.65	11.56	10.78	8.44	9.15	11.75	12.27	12.19
20	12.56	12.69	12.32	12.38	11.69	11.47	10.78	8.41	9.32	11.78	12.28	12.19
21	12.57	12.70	12.32	12.36	11.71	11.39	10.75	8.44	9.51	11.81	12.30	12.19
22	12.57	12.70	12.34	12.35	11.74	11.29	10.70	8.37	9.72	11.83	12.32	12.19
23	12.57	12.70	12.36	12.34	11.77	11.19	10.65	8.22	9.90	11.86	12.32	12.17
24	12.57	12.70	12.33	12.32	11.80	11.10	10.64	8.21	10.05	11.90	12.32	12.17
25	12.57	12.70	12.26	12.22	11.82	11.00	10.59	8.57	10.18	11.94	12.33	12.17
26	12.58	12.71	12.26	12.16	11.83	10.94	10.32	8.94	10.29	11.98	12.34	12.17
27	12.58	12.71	12.28	12.11	11.84	10.77	10.16	9.20	10.32	12.01	12.35	12.11
28	12.59	12.72	12.29	12.05	11.86	10.47	10.04	9.44	10.42	12.02	12.37	11.83
29	12.59	12.72	12.31	11.96	---	10.25	9.82	9.57	10.53	12.03	12.37	11.72
30	12.59	12.73	12.32	11.83	---	10.10	9.59	9.69	10.62	12.05	12.33	11.72
31	12.61	---	12.33	11.70	---	10.01	---	9.87	---	12.06	12.32	---
MEAN	12.52	12.67	12.53	12.29	11.60	11.35	10.42	8.95	9.67	11.52	12.25	12.21
MAX	12.61	12.73	12.71	12.39	11.86	11.91	10.84	9.87	10.62	12.06	12.37	12.36
MIN	12.34	12.62	12.26	11.70	11.37	10.01	9.59	8.21	8.90	10.68	12.08	11.72



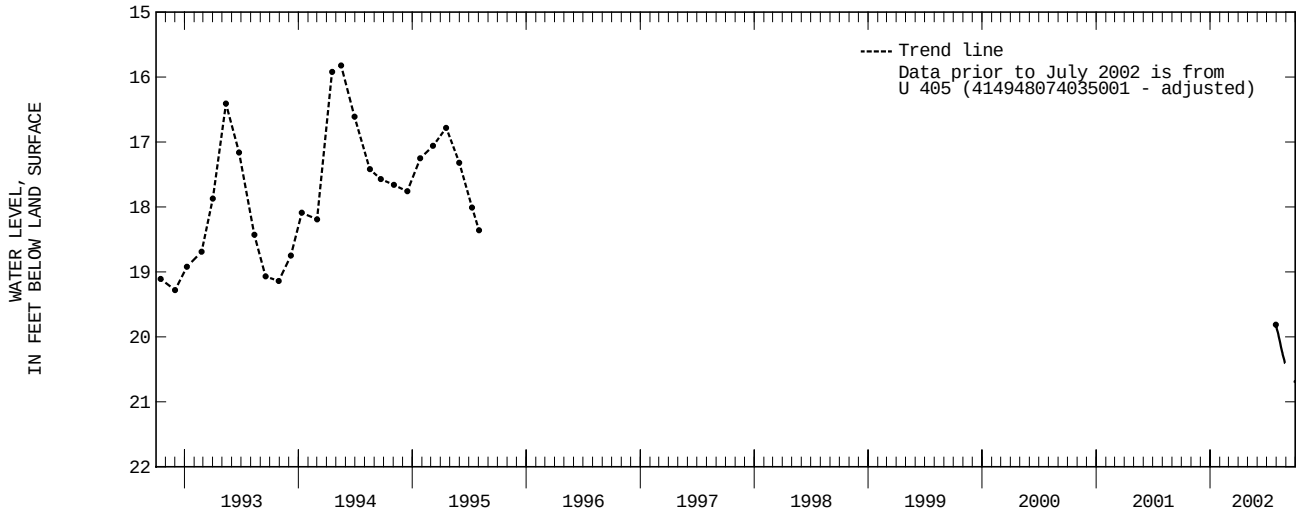
ULSTER COUNTY

414948074035001. Local number, U 1619.

LOCATION.--Lat 41°49'48", long 74°03'50", Hydrologic Unit 02020007, Grist Mill Road, Tillson.
Owner: U.S. Geological Survey.
AQUIFER.--Water-table aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 42.3 ft, cased to 32 ft (screen, 32 ft to 37 ft).
INSTRUMENTATION.--Water-stage recorder--hourly.
DATUM.--Elevation of land-surface datum is 240 ft above NGVD of 1929, from topographic map.
Measuring point: Top of casing, 3.41 ft above land-surface datum.
REMARKS.--Well was drilled in 2002 as a replacement for 414948074035101 (local number U 405), located about 3 ft west, which had a period of record from October 1964 to July 1965, March 1966 to December 1974, April 1976 to August 1995.
PERIOD OF RECORD.--July 30 to September 2002.
EXTREMES FOR CURRENT PERIOD (July to September).--Highest water level, 19.79 ft below land-surface datum, July 29; lowest, 20.71 ft below land-surface datum, Sept. 26, 27, 28.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	19.85	---
2	---	---	---	---	---	---	---	---	---	---	19.88	---
3	---	---	---	---	---	---	---	---	---	---	19.89	---
4	---	---	---	---	---	---	---	---	---	---	19.91	---
5	---	---	---	---	---	---	---	---	---	---	19.92	---
6	---	---	---	---	---	---	---	---	---	---	19.94	---
7	---	---	---	---	---	---	---	---	---	---	19.96	---
8	---	---	---	---	---	---	---	---	---	---	19.99	---
9	---	---	---	---	---	---	---	---	---	---	20.01	---
10	---	---	---	---	---	---	---	---	---	---	20.03	---
11	---	---	---	---	---	---	---	---	---	---	20.05	---
12	---	---	---	---	---	---	---	---	---	---	20.07	---
13	---	---	---	---	---	---	---	---	---	---	20.09	---
14	---	---	---	---	---	---	---	---	---	---	20.12	---
15	---	---	---	---	---	---	---	---	---	---	20.15	---
16	---	---	---	---	---	---	---	---	---	---	20.17	---
17	---	---	---	---	---	---	---	---	---	---	20.19	---
18	---	---	---	---	---	---	---	---	---	---	20.21	---
19	---	---	---	---	---	---	---	---	---	---	20.23	---
20	---	---	---	---	---	---	---	---	---	---	20.24	---
21	---	---	---	---	---	---	---	---	---	---	20.27	---
22	---	---	---	---	---	---	---	---	---	---	20.29	---
23	---	---	---	---	---	---	---	---	---	---	20.31	---
24	---	---	---	---	---	---	---	---	---	---	20.32	---
25	---	---	---	---	---	---	---	---	---	---	20.34	---
26	---	---	---	---	---	---	---	---	---	---	20.36	---
27	---	---	---	---	---	---	---	---	---	---	20.38	20.71
28	---	---	---	---	---	---	---	---	---	---	20.40	20.70
29	---	---	---	---	---	---	---	---	---	---	20.41	20.68
30	---	---	---	---	---	---	---	---	---	19.81	---	20.67
31	---	---	---	---	---	---	---	---	---	19.83	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

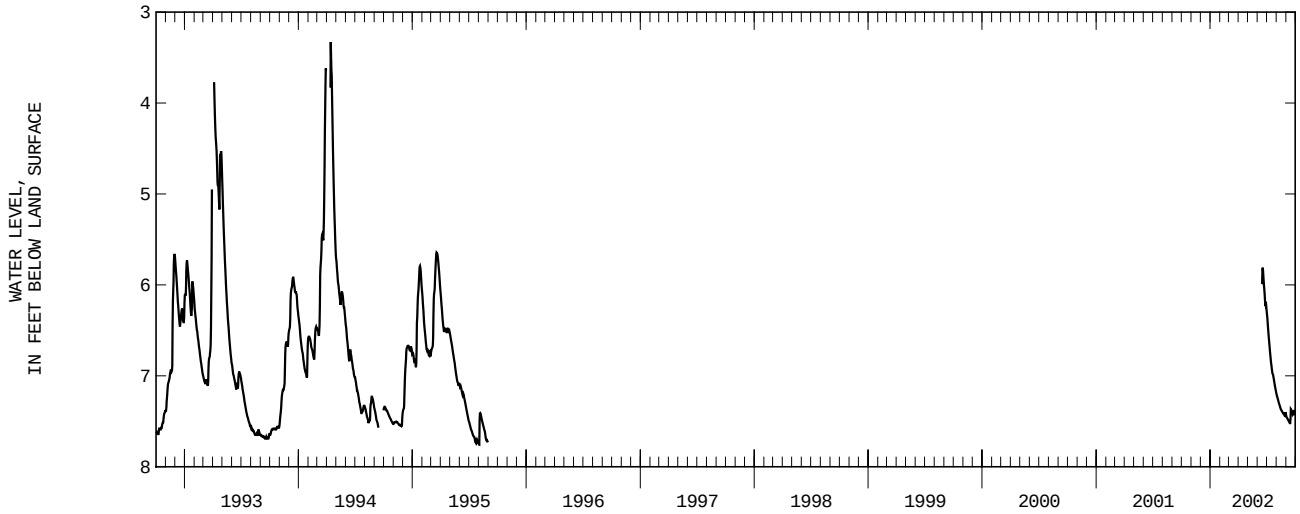


431030073192101. Local number, W 533.

LOCATION.--Lat 43°10'30", long 73°19'21", Hydrologic Unit 02020003, in Salem.
Owner: Salem Central High School.
AQUIFER.--Water-table aquifer in sand and gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 15.2 ft, cased to 16 ft, open end. Well backfilled 1.6 ft with coarse gravel.
INSTRUMENTATION.--Water-stage recorder--hourly.
DATUM.--Elevation of land-surface datum is 489.5 ft above NGVD of 1929.
Measuring points: Top of casing, 3.10 ft above land-surface datum; top of shelter shelf, 3.32 ft above land-surface datum.
REMARKS.--Well was drilled March 1974 as a replacement for 431032073192401 (local number W 532), located 350 ft northwest, which had a period of record from October 1965 to June 1973 (unpublished).
PERIOD OF RECORD.--March 1974 to August 1995, June to September 2002. Records prior to October 1976 are unpublished and available in files of the Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.30 ft below land-surface datum, Apr. 14, 1994, but may have been higher during period of no water level record all or part of each day Mar. 30 to Apr. 4, 1993, Mar. 31 to Apr. 11, 1994; lowest water level, 7.77 ft below land-surface datum, Aug. 3, 1995.
EXTREMES FOR CURRENT PERIOD (June to September).--Highest water level, 5.81 ft below land-surface datum, June 14, 17, 18; lowest, 7.52 ft below land-surface datum, Sept. 12, 13-14, 15.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	6.30	7.20	7.44
2	---	---	---	---	---	---	---	---	---	6.34	7.22	7.45
3	---	---	---	---	---	---	---	---	---	6.38	7.23	7.46
4	---	---	---	---	---	---	---	---	---	6.43	7.24	7.46
5	---	---	---	---	---	---	---	---	---	6.48	7.25	7.47
6	---	---	---	---	---	---	---	---	---	6.52	7.26	7.48
7	---	---	---	---	---	---	---	---	---	6.56	7.28	7.48
8	---	---	---	---	---	---	---	---	---	6.60	7.29	7.49
9	---	---	---	---	---	---	---	---	---	6.64	7.30	7.49
10	---	---	---	---	---	---	---	---	---	6.68	7.31	7.50
11	---	---	---	---	---	---	---	---	---	6.72	7.32	7.51
12	---	---	---	---	---	---	---	---	---	6.76	7.33	7.51
13	---	---	---	---	---	---	---	---	---	6.80	7.35	7.52
14	---	---	---	---	---	---	---	---	---	6.83	7.36	7.52
15	---	---	---	---	---	---	---	---	5.99	6.87	7.37	7.47
16	---	---	---	---	---	---	---	---	5.98	6.89	7.37	7.37
17	---	---	---	---	---	---	---	---	5.84	6.92	7.38	7.37
18	---	---	---	---	---	---	---	---	5.81	6.95	7.39	7.39
19	---	---	---	---	---	---	---	---	5.85	6.97	7.39	7.40
20	---	---	---	---	---	---	---	---	5.91	6.98	7.40	7.40
21	---	---	---	---	---	---	---	---	5.96	6.99	7.40	7.41
22	---	---	---	---	---	---	---	---	6.01	7.01	7.41	7.40
23	---	---	---	---	---	---	---	---	6.05	7.03	7.42	7.39
24	---	---	---	---	---	---	---	---	6.10	7.05	7.42	7.40
25	---	---	---	---	---	---	---	---	6.16	7.07	7.40	7.41
26	---	---	---	---	---	---	---	---	6.22	7.09	7.42	7.42
27	---	---	---	---	---	---	---	---	6.23	7.11	7.43	7.42
28	---	---	---	---	---	---	---	---	6.19	7.13	7.44	7.38
29	---	---	---	---	---	---	---	---	6.23	7.15	7.44	7.38
30	---	---	---	---	---	---	---	---	6.27	7.17	7.40	7.39
31	---	---	---	---	---	---	---	---	---	7.18	7.42	---
MEAN	---	---	---	---	---	---	---	---	---	6.83	7.35	7.44
MAX	---	---	---	---	---	---	---	---	---	7.18	7.44	7.52
MIN	---	---	---	---	---	---	---	---	---	6.30	7.20	7.37



NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

HUDSON RIVER BASIN

Introduction

In 1991, the U.S. Geological Survey began full-scale implementation of a National Water-Quality Assessment (NAWQA) program. The long-term goals of the NAWQA program are to describe the physical, chemical, and biological conditions for a large part of the Nation's surface-water and ground-water resources, and to identify the major natural and human factors that influence the quality of these resources. Fifty-three study units, ranging in size from 1,200 to more than 60,000 square miles and representing major river or aquifer systems in the United States, will be investigated for the NAWQA program. Water-quality information collected during the program will be useful to policy makers and managers at all levels of government as well as to other water-resource professionals.

Assessment of the 13,400 square mile Hudson River basin began in 1991. A 3-year intensive data-collection phase ended in 1996 and the study is currently in a 6-year period of low-intensity sampling, evaluation, and assessment. Intensive sampling is planned to resume in 2005.

Surface-water-quality data collected at continuous-record sites in the Hudson River basin during the 2002 water year are published immediately following the discharge records for those sites.

A number of different methods were used to analyze water samples for pesticides; references for each method are given below. The SH2010 and SH2002 methods use gas chromatography/mass spectrometry and are described in Zaugg and others (1995) and Sandstrom and others (2001), respectively; the SH2060 method uses liquid chromatography/mass spectrometry and is described by Furlong and others (2001). For some samples, the U.S. Geological Survey Kansas Organic Geochemistry Laboratory LCAA method was used; this method is described in Lee and others, 2001. Results of the LCAA method are included in the SH2010 tables. Samples were collected according to methods described by Shelton, 1994.

Furlong, E.T., Anderson, B.D., Werner, S.L., Soliven, P.P., Coffey, L.J., and Burkhardt, M.R., 2001, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory - Determination of pesticides in water by graphitized carbon-based solid-phase extraction and high-performance liquid chromatography/mass spectrometry: U.S. Geological Survey Water-Resources Investigations Report 01-4134, 81 p.

Lee, E.A., Kish, J.L., Zimmerman, L.R., and Thurman, E.M., 2001, Methods of analysis by the U.S. Geological Survey Organic Geochemistry Research Group - Update and additions to the determination of chloroacetanilide herbicide degradation compounds in water using high-performance liquid chromatography/mass spectrometry: U.S. Geological Survey Open-File Report 01-10.

Sandstrom, M.W., Stroppel, M.E., Foreman, W.T., and Schroeder, M.P., 2001, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory - Determination of moderate-use pesticides and selected degradates in water by C-18 solid-phase extraction and gas chromatography/mass spectrometry: U.S. Geological Survey Water-Resources Investigations Report 01-4098, 70 p.

Shelton, L.R., 1994, Field guide for collecting and processing stream-water samples for the National Water-Quality Assessment program: U.S. Geological Survey Open-File Report 94-455, 42 p.

Zaugg, S.D., Sandstrom, M.W., Smith, S.G., and Fehlberg, K.M., 1995, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory - Determination of pesticides in water by C-18 solid-phase extraction and capillary-column gas chromatography with selective-ion monitoring: U.S. Geological Survey Open-File Report 95-181, 49 p.

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin
(National water-quality assessment program)

In May 2000, a study investigating pesticides in the Croton watershed was begun in cooperation with the New York State Department of Environmental Conservation. Data from surface-water sites in the Croton watershed were collected to describe the occurrence of pesticide and pesticide degradation products in urban or residential areas. For many of the samples collected, analysis was performed using three analytical methods - method SH2010, method SH2060, and method SH2002. Because each of these methods share one or more pesticides, separate tables are provided so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the introduction of the Hudson NAWQA section.

Estimated values are those preceded by an E, values with an M indicate presence verified, not quantified, replicate samples are those preceded by an *.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010

Station number	Station name	Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)
0137449450	PUTNAM LAKE AT DAM, AT PUTNAM LAKE NY	07-15-02	1100	.0	<.006	<.006	<.004
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-15-02	1140	.79	<.006	<.006	<.004
*0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-15-02	1200	.79	<.006	<.006	<.004
01374674	MICHAEL BROOK NEAR CARMEL NY	07-15-02	1230	1.5	<.006	<.006	<.004
01374890	CROSS RIVER NEAR CROSS RIVER NY	07-15-02	1400	1.8	<.006	<.006	<.004
01374911	STONE HILL RIVER AT BEDFORD CENTER, NY	07-17-02	1020	1.1	<.006	<.006	<.004
0137491106	DAVIDS BROOK WEST OF BEDFORD NY	06-19-02	0830	.86	<.006	<.006	<.004
0137491106	DAVIDS BROOK WEST OF BEDFORD NY	07-17-02	0740	.20	<.006	<.006	<.004
0137491106	DAVIDS BROOK WEST OF BEDFORD NY	09-23-02	0710	.19	<.006	<.006	<.004
0137491112	DAVIDS BROOK, EAST TRIBUTARY, AT BEDFORD NY	06-19-02	0815	E.05	<.006	<.006	<.004
0137491112	DAVIDS BROOK, EAST TRIBUTARY, AT BEDFORD NY	07-17-02	0710	.10	<.006	<.006	<.004
*0137491112	DAVIDS BROOK, EAST TRIBUTARY, AT BEDFORD NY	07-17-02	0730	.10	<.006	<.006	<.004
0137491112	DAVIDS BROOK, EAST TRIBUTARY, AT BEDFORD NY	09-23-02	0640	.04	<.006	<.006	<.004
0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	06-19-02	0935	E.25	<.006	<.006	<.004
0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	07-17-02	0830	E.40	<.006	<.006	<.004
0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	09-23-02	0800	.10	<.006	<.006	<.004
*0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	09-23-02	0801	.10	<.006	<.006	<.004
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	05-08-02	1100	1.9	<.006	<.006	<.004
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	05-22-02	1230	3.5	<.006	<.006	<.004
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	05-30-02	1430	2.7	<.006	<.006	<.004
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	06-19-02	1025	2.5	<.006	<.006	<.004
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	06-26-02	1050	.56	<.006	<.006	<.004
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	07-17-02	0930	.70	<.006	<.006	<.004
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	09-11-02	1030	.72	<.006	<.006	<.004
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	09-23-02	0910	.55	<.006	<.006	<.004
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	07-17-02	1100	3.0	<.006	<.006	<.004
0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	06-06-02	2000	9.0	<.006	<.006	<.004
0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	07-16-02	1140	.35	<.006	<.006	<.004
0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	09-15-02	1600	8.0	<.006	<.006	<.004
01374960	HALLOCKS MILL BROOK AT YORKTOWN HEIGHTS NY	09-04-02	0900	14	<.006	<.006	<.004
01374963	HALLOCKS MILL BROOK AT AMAWALK NY	09-04-02	1030	15	<.006	<.006	<.004
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	06-07-02	0800	41	<.006	<.006	<.004
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-16-02	1300	.0	<.006	<.006	<.004
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	09-16-02	0740	5.2	<.006	<.006	<.004
*0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	09-16-02	0800	5.2	<.006	<.006	<.004
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	06-07-02	0630	95	<.006	<.006	<.004
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	07-16-02	1230	1.3	<.006	<.006	<.004
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	09-16-02	0700	9.6	<.006	<.006	<.004
0137498420	BRANCH BROOK AT MOUNT KISCO, NY	06-07-02	0530	48	<.006	<.006	<.004
0137498420	BRANCH BROOK AT MOUNT KISCO, NY	07-16-02	1415	.28	<.006	<.006	<.004
0137498420	BRANCH BROOK AT MOUNT KISCO, NY	09-16-02	0620	9.2	<.006	<.006	<.004

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Station number	Date	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)
0137449450	07-15-02	<.005	.008	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.007	.006
0137449494	07-15-02	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.005	<.005
0137449494	07-15-02	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.005	<.005
01374674	07-15-02	<.005	E.006	<.010	<.002	E.011	<.020	<.005	<.018	<.003	E.005	E.004
01374890	07-15-02	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
01374911	07-17-02	<.005	<.007	<.010	<.002	E.006	<.020	<.005	<.018	<.003	<.006	<.005
0137491106	06-19-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491106	07-17-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491106	09-23-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491112	06-19-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491112	07-17-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491112	07-17-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491112	09-23-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491117	06-19-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491117	07-17-02	<.005	.179	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.020	<.005
0137491117	09-23-02	<.005	.613	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.013	<.005
0137491117	09-23-02	<.005	.404	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.013	<.005
0137491120	05-08-02	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.002	<.005
0137491120	05-22-02	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.004	<.005
0137491120	05-30-02	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.005	<.005
0137491120	06-19-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491120	06-26-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491120	07-17-02	<.005	.025	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.008	<.005
0137491120	09-11-02	<.005	E.003	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.003	<.005
0137491120	09-23-02	<.005	.048	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
01374916	07-17-02	<.005	.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.005	<.005
0137492010	06-06-02	<.005	.013	<.010	<.002	E.032	<.020	<.005	<.018	<.003	E.007	.034
0137492010	07-16-02	<.005	E.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.007	<.005
0137492010	09-15-02	<.005	<.007	<.010	<.002	E.050	<.020	<.005	<.018	<.003	<.006	.163
01374960	09-04-02	<.005	E.003	<.010	<.002	E.006	<.020	<.005	<.018	<.003	E.002	.020
01374963	09-04-02	<.005	<.007	<.010	<.002	E.010	<.020	<.005	<.018	<.003	<.006	.049
0137498340	06-07-02	<.005	.008	E.005	<.002	E.011	<.020	<.005	<.018	<.003	E.009	<.005
0137498340	07-16-02	<.005	<.007	<.010	<.002	E.005	<.020	<.005	<.018	<.003	<.006	<.005
0137498340	09-16-02	<.005	<.007	<.010	<.002	E.013	<.020	<.005	<.018	<.003	<.006	.048
0137498340	09-16-02	<.005	<.007	<.010	<.002	E.013	<.020	<.005	<.018	<.003	<.006	.047
01374984	06-07-02	<.005	.007	<.010	<.002	E.010	<.020	<.005	<.018	<.003	E.007	<.005
01374984	07-16-02	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.004	<.005
01374984	09-16-02	<.005	<.007	<.010	<.002	E.006	<.020	<.005	<.018	<.003	<.006	.017
0137498420	06-07-02	<.005	.011	E.004	<.002	E.073	<.020	<.005	<.018	<.003	E.009	.017
0137498420	07-16-02	<.005	E.004	<.010	<.002	E.005	<.020	<.005	<.018	<.003	E.004	E.003
0137498420	09-16-02	<.005	<.007	<.010	<.002	E.083	<.020	<.005	<.018	<.003	<.006	.121

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Station number	Date	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
0137449450	07-15-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137449494	07-15-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137449494	07-15-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374674	07-15-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374890	07-15-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374911	07-17-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491106	06-19-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491106	07-17-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	E.031	<.006
0137491106	09-23-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491112	06-19-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491112	07-17-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491112	07-17-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491112	09-23-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491117	06-19-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491117	07-17-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491117	09-23-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491117	09-23-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491120	05-08-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491120	05-22-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491120	05-30-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491120	06-19-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491120	06-26-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491120	07-17-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491120	09-11-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491120	09-23-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374916	07-17-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137492010	06-06-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.030	<.050	<.006
0137492010	07-16-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137492010	09-15-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.048	<.050	<.006
01374960	09-04-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374963	09-04-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137498340	06-07-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137498340	07-16-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137498340	09-16-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137498340	09-16-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374984	06-07-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374984	07-16-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374984	09-16-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137498420	06-07-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.065	<.050	<.006
0137498420	07-16-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137498420	09-16-02	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	.497	<.050	<.006

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Station number	Date	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)
0137449450	07-15-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137449494	07-15-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137449494	07-15-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
01374674	07-15-02	E.007	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
01374890	07-15-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
01374911	07-17-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137491106	06-19-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
0137491106	07-17-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137491106	09-23-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
0137491112	06-19-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
0137491112	07-17-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137491112	07-17-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137491112	09-23-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137491117	06-19-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
0137491117	07-17-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
0137491117	09-23-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
0137491117	09-23-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
0137491120	05-08-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
0137491120	05-22-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
0137491120	05-30-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
0137491120	06-19-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
0137491120	06-26-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
0137491120	07-17-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
0137491120	09-11-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
0137491120	09-23-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
01374916	07-17-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137492010	06-06-02	E.008	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137492010	07-16-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
0137492010	09-15-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
01374960	09-04-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
01374963	09-04-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137498340	06-07-02	E.006	<.006	<.002	<.007	<.010	<.010	<.004	.034	<.006	<.011	E.01
0137498340	07-16-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
0137498340	09-16-02	<.013	<.006	<.002	<.007	<.006	<.010	<.004	<.022	<.006	<.011	E.01
0137498340	09-16-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M
01374984	06-07-02	E.006	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
01374984	07-16-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01
01374984	09-16-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.05
0137498420	06-07-02	E.009	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
0137498420	07-16-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02
0137498420	09-16-02	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	.02

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010--Continued

Station number	Date	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
0137449450	07-15-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137449494	07-15-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137449494	07-15-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374674	07-15-02	<.004	<.010	<.011	<.02	.006	<.02	<.034	<.02	<.005	<.002	<.009
01374890	07-15-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374911	07-17-02	<.004	<.010	<.011	<.02	.021	<.02	<.034	<.02	<.005	<.002	<.009
0137491106	06-19-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137491106	07-17-02	<.004	<.010	<.011	<.02	.006	<.02	<.034	<.02	<.005	<.002	<.009
0137491106	09-23-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137491112	06-19-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137491112	07-17-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137491112	07-17-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137491112	09-23-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137491117	06-19-02	<.004	<.010	<.011	<.02	2.84	<.02	<.034	<.02	<.005	<.002	<.009
0137491117	07-17-02	<.004	<.010	<.011	<.02	16.9	<.02	<.034	<.02	<.005	<.002	<.009
0137491117	09-23-02	<.004	<.010	<.011	<.02	E85.8	<.02	<.034	<.02	<.005	<.002	<.009
0137491117	09-23-02	<.004	<.010	<.011	<.02	E78.3	<.02	<.034	<.02	<.005	<.002	<.009
0137491120	05-08-02	<.004	<.010	<.011	<.02	.439	<.02	<.034	<.02	<.005	<.002	<.009
0137491120	05-22-02	<.004	<.010	<.011	<.02	.571	<.02	<.034	<.02	<.005	<.002	<.009
0137491120	05-30-02	<.004	<.010	<.011	<.02	.554	<.02	<.034	<.02	<.005	<.002	<.009
0137491120	06-19-02	<.004	<.010	<.011	<.02	.614	<.02	<.034	<.02	<.005	<.002	<.009
0137491120	06-26-02	<.004	<.010	<.011	<.02	.498	<.02	<.034	<.02	<.005	<.002	<.009
0137491120	07-17-02	<.004	<.010	<.011	<.02	1.38	<.02	<.034	<.02	<.005	<.002	<.009
0137491120	09-11-02	<.004	<.010	<.011	<.02	.131	<.02	<.034	<.02	<.005	<.002	<.009
0137491120	09-23-02	<.004	<.010	<.011	<.02	5.52	<.02	<.034	<.02	<.005	<.002	<.009
01374916	07-17-02	<.004	<.010	<.011	<.02	.252	<.02	<.034	<.02	<.005	<.002	<.009
0137492010	06-06-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137492010	07-16-02	<.004	<.010	<.011	<.02	<.005	E.01	<.034	<.02	<.005	<.002	<.009
0137492010	09-15-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374960	09-04-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.003
01374963	09-04-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.003
0137498340	06-07-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.008
0137498340	07-16-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137498340	09-16-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.005
0137498340	09-16-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374984	06-07-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374984	07-16-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374984	09-16-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
0137498420	06-07-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	E.005
0137498420	07-16-02	<.004	<.010	<.011	<.02	<.005	.06	<.034	<.02	<.005	<.002	<.009
0137498420	09-16-02	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060

Station number	Station name	Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
0137449450	PUTNAM LAKE AT DAM, AT PUTNAM LAKE NY	07-15-02	1105	.0	<.009	.06	<.02
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-15-02	1145	.79	<.009	.11	<.02
*0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-15-02	1210	.79	<.009	.13	<.02
01374674	MICHAEL BROOK NEAR CARMEL NY	07-15-02	1235	1.5	<.009	<.02	<.02
01374890	CROSS RIVER NEAR CROSS RIVER NY	07-15-02	1405	1.6	<.009	<.02	<.02
01374911	STONE HILL RIVER AT BEDFORD CENTER, NY	07-17-02	1025	1.1	<.009	<.02	<.02
0137491106	DAVIDS BROOK WEST OF BEDFORD NY	06-19-02	0835	.86	<.009	<.02	<.02
0137491106	DAVIDS BROOK WEST OF BEDFORD NY	07-17-02	0745	.20	<.009	<.02	<.02
0137491106	DAVIDS BROOK WEST OF BEDFORD NY	09-23-02	0720	.19	<.009	<.02	<.02
0137491112	DAVIDS BROOK, EAST TRIBUTARY, AT BEDFORD NY	06-19-02	0820	E.05	<.009	<.02	<.02
0137491112	DAVIDS BROOK, EAST TRIBUTARY, AT BEDFORD NY	07-17-02	0715	.10	<.009	<.02	<.02
*0137491112	DAVIDS BROOK, EAST TRIBUTARY, AT BEDFORD NY	07-17-02	0735	.10	<.009	<.02	<.02
0137491112	DAVIDS BROOK, EAST TRIBUTARY, AT BEDFORD NY	09-23-02	0650	.04	<.009	<.02	<.02
0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	06-19-02	0940	E.25	<.009	.04	<.02
0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	09-23-02	0810	.10	<.009	<.02	<.02
*0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	09-23-02	0811	.10	<.009	<.02	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	05-08-02	1105	1.9	<.009	E.02	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	05-30-02	1435	2.7	<.009	.03	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	06-19-02	1030	2.5	<.009	<.02	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	06-26-02	1055	.56	<.009	<.02	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	07-17-02	0935	.70	<.009	<.02	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	09-11-02	1035	.72	<.009	<.02	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	09-23-02	0920	.55	<.009	<.02	<.02
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	07-17-02	1105	3.0	<.009	<.02	<.02
0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	06-06-02	2005	9.0	<.009	<.02	<.02
0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	07-16-02	1145	.35	<.009	<.02	<.02
0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	09-15-02	1610	8.0	<.009	E.20	<.02
01374960	HALLOCKS MILL BROOK AT YORKTOWN HEIGHTS NY	09-04-02	0905	14	<.009	.24	<.02
01374963	HALLOCKS MILL BROOK AT AMAWALK NY	09-04-02	1035	15	<.009	.20	<.02
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	06-07-02	0805	41	.042	.32	<.02
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-16-02	1305	.0	<.009	.17	<.02
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	09-16-02	0750	5.2	<.009	E.20	<.02
*0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	09-16-02	0810	5.2	<.009	E.20	<.02
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	06-07-02	0635	95	<.009	.30	<.02
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	07-16-02	1235	1.3	<.009	<.02	<.02
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	09-16-02	0710	9.6	<.009	E.02	<.02
0137498420	BRANCH BROOK AT MOUNT KISCO, NY	06-07-02	0535	48	<.009	.22	<.02
0137498420	BRANCH BROOK AT MOUNT KISCO, NY	07-16-02	1420	.28	<.009	<.02	<.02
0137498420	BRANCH BROOK AT MOUNT KISCO, NY	09-16-02	0630	9.2	<.009	E.31	<.02

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Station number	Date	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)
0137449450	07-15-02	<.006	<2	<.007	<.02	<.008	<.04	E.004	<.03	<.004	<.02	<.01
0137449494	07-15-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137449494	07-15-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
01374674	07-15-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
01374890	07-15-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
01374911	07-17-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491106	06-19-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491106	07-17-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491106	09-23-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491112	06-19-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491112	07-17-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491112	07-17-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491112	09-23-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	.029	<.02	<.01
0137491117	06-19-02	<.006	<2	<.007	<.02	<.008	<.04	E.003	<.03	<.004	<.02	<.01
0137491117	09-23-02	<.006	<2	<.007	<.02	<.008	<.04	E1.61	<.03	<.004	<.02	<.01
0137491117	09-23-02	<.006	<2	<.007	<.02	<.008	<.04	E1.20	<.03	<.004	<.02	<.01
0137491120	05-08-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491120	05-30-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491120	06-19-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491120	06-26-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491120	07-17-02	<.006	<2	<.007	<.02	<.008	<.04	.012	<.03	<.004	<.02	<.01
0137491120	09-11-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137491120	09-23-02	<.006	<2	<.007	<.02	<.008	<.04	E.025	<.03	<.004	<.02	<.01
01374916	07-17-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137492010	06-06-02	<.006	<2	<.007	<.02	<.008	<.04	E.006	<.03	<.004	<.02	<.01
0137492010	07-16-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137492010	09-15-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
01374960	09-04-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
01374963	09-04-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137498340	06-07-02	<.006	<2	<.007	<.02	<.008	<.04	E.004	<.03	E1.32	<.02	<.01
0137498340	07-16-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	.252	<.02	<.01
0137498340	09-16-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	.322	<.02	<.01
0137498340	09-16-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	E.291	<.02	<.01
01374984	06-07-02	<.006	<2	<.007	<.02	<.008	<.04	E.004	<.03	<.004	<.02	<.01
01374984	07-16-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
01374984	09-16-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137498420	06-07-02	<.006	<2	<.007	<.02	<.008	<.04	E.007	<.03	E.063	<.02	<.01
0137498420	07-16-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01
0137498420	09-16-02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Station number	Date	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)
0137449450	07-15-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137449494	07-15-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137449494	07-15-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
01374674	07-15-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
01374890	07-15-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
01374911	07-17-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491106	06-19-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491106	07-17-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491106	09-23-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491112	06-19-02	<.03	<.02	<.010	M	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491112	07-17-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491112	07-17-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491112	09-23-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491117	06-19-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491117	09-23-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491117	09-23-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491120	05-08-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491120	05-30-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491120	06-19-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491120	06-26-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491120	07-17-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491120	09-11-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137491120	09-23-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
01374916	07-17-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137492010	06-06-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137492010	07-16-02	<.03	<.02	.015	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137492010	09-15-02	<.03	<.02	E.978	E.01	<.006	<.02	<.010	<.04	<.01	<.01	<.01
01374960	09-04-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
01374963	09-04-02	<.03	<.02	E8.82	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137498340	06-07-02	<.03	<.02	<.010	E.01	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137498340	07-16-02	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137498340	09-16-02	<.03	<.02	<.010	E.01	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137498340	09-16-02	<.03	<.02	<.010	E.01	<.006	<.02	<.010	<.04	<.01	<.01	<.01
01374984	06-07-02	<.03	<.02	<.010	E.01	<.006	<.02	<.010	<.04	<.01	<.01	<.01
01374984	07-16-02	<.03	<.02	E.014	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
01374984	09-16-02	<.03	<.02	.057	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137498420	06-07-02	<.03	<.02	.092	.04	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137498420	07-16-02	<.03	<.02	.023	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
0137498420	09-16-02	<.03	<.02	E1.12	E.02	<.006	<.02	<.010	<.04	<.01	<.01	<.01

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Station number	Date	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)
0137449450	07-15-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137449494	07-15-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137449494	07-15-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
01374674	07-15-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
01374890	07-15-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
01374911	07-17-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491106	06-19-02	<.03	<.01	<.04	<.01	.02	<.01	<.03	<.01	<.03	<.01	<.03
0137491106	07-17-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.01	<.03
0137491106	09-23-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491112	06-19-02	<.03	<.01	<.04	<.01	.05	<.01	<.03	<.01	<.03	<.01	<.03
0137491112	07-17-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491112	07-17-02	<.03	<.01	<.04	<.01	.02	<.01	<.03	<.01	<.03	<.01	<.03
0137491112	09-23-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491117	06-19-02	<.03	<.01	E.06	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491117	09-23-02	<.03	E.49	E12.6	<.01	<.01	<.01	<.03	.05	<.03	<.01	<.03
0137491117	09-23-02	<.03	E.09	E10.8	<.01	<.01	<.01	<.03	E.06	<.03	<.01	<.03
0137491120	05-08-02	<.03	<.01	E.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491120	05-30-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491120	06-19-02	<.03	<.01	E.02	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491120	06-26-02	<.03	<.01	E.02	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491120	07-17-02	<.03	<.01	E1.68	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491120	09-11-02	<.03	<.01	E.21	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137491120	09-23-02	<.03	E.02	E.85	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
01374916	07-17-02	<.03	<.01	E.61	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137492010	06-06-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.19	<.03	<.01	E.01
0137492010	07-16-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137492010	09-15-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
01374960	09-04-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
01374963	09-04-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137498340	06-07-02	<.03	<.01	<.04	<.01	.04	<.01	<.03	<.01	<.03	<.01	<.03
0137498340	07-16-02	<.03	<.01	<.04	.07	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137498340	09-16-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137498340	09-16-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
01374984	06-07-02	M	<.01	<.04	<.01	.03	<.01	<.03	<.01	<.03	<.01	<.03
01374984	07-16-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
01374984	09-16-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03
0137498420	06-07-02	E.01	<.01	<.04	<.01	.04	<.01	<.03	.29	<.03	<.01	E.02
0137498420	07-16-02	<.03	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.01	<.03
0137498420	09-16-02	<.03	<.01	<.04	<.01	.07	<.01	<.03	<.01	<.03	<.01	<.03

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Station number	Date	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)
0137449450	07-15-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137449494	07-15-02	<.008	E.01	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137449494	07-15-02	<.008	M	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374674	07-15-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374890	07-15-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374911	07-17-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137491106	06-19-02	<.008	<.02	<.02	.062	<.01	.07	<.01	<.02	<.008	<.004	<.03
0137491106	07-17-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137491106	09-23-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137491112	06-19-02	<.008	<.02	<.02	E.105	<.01	.09	<.01	E.03	<.008	<.004	<.03
0137491112	07-17-02	<.008	<.02	<.02	<.007	<.01	.03	<.01	.11	<.008	<.004	<.03
0137491112	07-17-02	<.008	<.02	<.02	<.007	<.01	.03	<.01	.09	<.008	<.004	<.03
0137491112	09-23-02	<.008	<.02	<.02	.018	<.01	<.02	<.01	E.07	<.008	<.004	<.03
0137491117	06-19-02	E.036	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137491117	09-23-02	E2.09	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137491117	09-23-02	E2.90	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137491120	05-08-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03
0137491120	05-30-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03
0137491120	06-19-02	<.008	<.02	<.02	.023	<.01	E.02	<.01	<.02	<.008	<.004	<.03
0137491120	06-26-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03
0137491120	07-17-02	E.071	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03
0137491120	09-11-02	E.055	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03
0137491120	09-23-02	E.085	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03
01374916	07-17-02	E.020	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137492010	06-06-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137492010	07-16-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03
0137492010	09-15-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374960	09-04-02	<.008	E.03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374963	09-04-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137498340	06-07-02	<.008	<.02	<.02	E1.84	<.01	<.02	<.01	.02	<.008	<.004	<.03
0137498340	07-16-02	<.008	<.02	<.02	.043	<.01	<.02	<.01	.33	<.008	<.004	<.03
0137498340	09-16-02	<.008	<.02	<.02	.211	<.01	<.02	<.01	.34	<.008	<.004	<.03
0137498340	09-16-02	<.008	<.02	<.02	E.215	<.01	<.02	<.01	E.35	<.008	<.004	<.03
01374984	06-07-02	<.008	<.02	<.02	.025	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374984	07-16-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374984	09-16-02	<.008	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137498420	06-07-02	<.008	<.02	<.02	.077	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137498420	07-16-02	E.011	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137498420	09-16-02	<.008	<.02	<.02	<.007	<.01	.05	<.01	<.02	<.008	<.004	<.03

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Station number	Date	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)
0137449450	07-15-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137449494	07-15-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137449494	07-15-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
01374674	07-15-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	.018	M	<.009
01374890	07-15-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
01374911	07-17-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491106	06-19-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491106	07-17-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491106	09-23-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491112	06-19-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491112	07-17-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491112	07-17-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491112	09-23-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491117	06-19-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491117	09-23-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491117	09-23-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491120	05-08-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491120	05-30-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491120	06-19-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491120	06-26-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491120	07-17-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491120	09-11-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137491120	09-23-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
01374916	07-17-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137492010	06-06-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	E.01	<.009
0137492010	07-16-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	.009
0137492010	09-15-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
01374960	09-04-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
01374963	09-04-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137498340	06-07-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	.07	<.008	.02	<.009
0137498340	07-16-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	E.01	<.008	<.02	<.009
0137498340	09-16-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	.08	<.008	<.02	<.009
0137498340	09-16-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	E.07	<.008	<.02	<.009
01374984	06-07-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	.06	<.009
01374984	07-16-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
01374984	09-16-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009
0137498420	06-07-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	E.134
0137498420	07-16-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	E.003	<.02	<.009
0137498420	09-16-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Station number	Date	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOROPHENYL METHYL WAT FLT REC (UG/L) (61692)
0137449450	07-15-02	<.006	<.010	<.02	<.02
0137449494	07-15-02	<.006	<.010	<.02	<.02
0137449494	07-15-02	<.006	<.010	<.02	<.02
01374674	07-15-02	<.006	<.010	<.02	<.02
01374890	07-15-02	<.006	<.010	<.02	<.02
01374911	07-17-02	<.006	<.010	<.02	<.02
0137491106	06-19-02	<.006	<.010	<.02	<.02
0137491106	07-17-02	<.006	<.010	<.02	<.02
0137491106	09-23-02	<.006	<.010	<.02	<.02
0137491112	06-19-02	<.006	<.010	<.02	<.02
0137491112	07-17-02	<.006	<.010	<.02	<.02
0137491112	07-17-02	<.006	<.010	<.02	<.02
0137491112	09-23-02	<.006	<.010	<.02	<.02
0137491117	06-19-02	<.006	<.010	<.02	<.02
0137491117	09-23-02	<.006	<.010	<.02	<.02
0137491117	09-23-02	<.006	<.010	<.02	<.02
0137491120	05-08-02	<.006	<.010	<.02	<.02
0137491120	05-30-02	<.006	<.010	<.02	<.02
0137491120	06-19-02	<.006	<.010	<.02	<.02
0137491120	06-26-02	<.006	<.010	<.02	<.02
0137491120	07-17-02	<.006	<.010	<.02	<.02
0137491120	09-11-02	<.006	<.010	<.02	<.02
0137491120	09-23-02	<.006	<.010	<.02	<.02
01374916	07-17-02	<.006	<.010	<.02	<.02
0137492010	06-06-02	<.006	<.010	<.02	<.02
0137492010	07-16-02	<.006	<.010	<.02	<.02
0137492010	09-15-02	<.006	<.010	.15	<.02
01374960	09-04-02	<.006	<.010	<.02	<.02
01374963	09-04-02	<.006	<.010	<.02	<.02
0137498340	06-07-02	<.006	<.010	<.02	<.02
0137498340	07-16-02	<.006	<.010	<.02	<.02
0137498340	09-16-02	<.006	<.010	<.02	<.02
0137498340	09-16-02	<.006	<.010	<.02	<.02
01374984	06-07-02	<.006	<.010	<.02	<.02
01374984	07-16-02	<.006	<.010	<.02	<.02
01374984	09-16-02	<.006	<.010	<.02	<.02
0137498420	06-07-02	<.006	<.010	.08	<.02
0137498420	07-16-02	.035	<.010	<.02	<.02
0137498420	09-16-02	<.006	<.010	<.02	<.02

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2002

Station number	Station name	Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	1,4-NAPTHO QUINON WATER FLTRD REC (UG/L) (61611)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	2(4TERT BUTYL-PHENOXY CYCLO-HEXANOL FLT REC (UG/L) (61637)
0137449450	PUTNAM LAKE AT DAM, AT PUTNAM LAKE NY	07-15-02	1110	.0	<.05	<.09	<.01
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-15-02	1150	.79	<.05	<.09	<.01
*0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-15-02	1220	.79	<.05	<.09	<.01
01374674	MICHAEL BROOK NEAR CARMEL NY	07-15-02	1240	1.5	<.05	<.09	<.01
01374890	CROSS RIVER NEAR CROSS RIVER NY	07-15-02	1410	1.6	<.05	<.09	<.01
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	07-17-02	1110	3.0	<.05	<.09	<.01
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-16-02	1310	.0	<.05	<.09	<.01

Station number	Date	2,5-DI-CHLORO-ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2-ETHYL-6-METHY —PANOL WAT FLT REC (UG/L) (61615)	2AMINON ISOPROP PYLBEN ZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO -2,6-DIETHYL ACET-ANILIDE FLT REC (UG/L) (61618)	4CHLORO 2-METH-YL-PHENOL WAT FLT REC (UG/L) (61633)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)	ANILINE 3,4-DI-CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI-CHLORO WATER FLTRD REC (UG/L) (61627)	ANILINE 3-TRI-FLUORO-METHYL WAT FLT REC (UG/L) (61630)	AZIN-PHOS-METHYL-OXON WAT FLT REC (UG/L) (61635)	BENZO-PHENONE 4,4-DI-CHLORO WAT FLT REC (UG/L) (61631)
0137449450	07-15-02	<.03	<.1	<.005	<.005	<.006	<.004	<.004	<.005	<.01	<.02	<.003
0137449494	07-15-02	<.03	<.1	<.005	<.005	<.006	<.004	<.004	<.005	<.01	<.02	<.003
0137449494	07-15-02	<.03	<.1	<.005	<.005	<.006	<.004	<.004	<.005	<.01	<.02	<.003
01374674	07-15-02	<.03	<.1	<.005	<.005	<.006	<.004	.016	<.005	<.01	<.02	<.003
01374890	07-15-02	<.03	<.1	<.005	<.005	<.006	<.004	<.004	<.005	<.01	<.02	<.003
01374916	07-17-02	<.03	<.1	<.005	<.005	<.006	<.004	<.004	<.005	<.01	<.02	<.003
0137498340	07-16-02	<.03	<.1	<.005	<.005	E.008	<.004	<.004	<.005	<.01	<.02	<.003

Station number	Date	BENZYL ALCOHOL 3-PHEN-OXY WAT FLT REC (UG/L) (61629)	BI-FENTH-RIN WATER FLTRD REC (UG/L) (61580)	CHLOR-PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	CIS-CARBOX-YATE WATER FLTRD REC (UG/L) (79842)	CIS-PROPI-CONAZ-OLE WAT FLT REC (UG/L) (79846)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	CY-FLUTH-RIN WATER FLTRD REC (UG/L) (61585)	CYPER-METHRIN WATER FLTRD REC (UG/L) (61586)	DICROT-OPHOS WATER FLTRD REC (UG/L) (38454)	DIMETH-OATE WATER FLTRD 0.7 U GF, REC (UG/L) (82662)	DISULF-OTON SULFONE WATER FLTRD REC (UG/L) (61640)
0137449450	07-15-02	<.05	<.005	<.06	<.04	<.008	<.005	<.008	<.009	<.08	<.006	<.02
0137449494	07-15-02	<.05	<.005	<.06	<.04	<.008	<.005	<.008	<.009	<.08	<.006	<.02
0137449494	07-15-02	<.05	<.005	<.06	<.04	<.008	<.005	<.008	<.009	<.08	<.006	<.02
01374674	07-15-02	<.05	<.005	<.06	<.04	<.008	<.005	<.008	<.009	<.08	<.006	<.02
01374890	07-15-02	<.05	<.005	<.06	<.04	<.008	<.005	<.008	<.009	<.08	<.006	<.02
01374916	07-17-02	<.05	<.005	<.06	<.04	<.008	<.005	<.008	<.009	<.08	<.006	<.02
0137498340	07-16-02	<.05	<.005	<.06	<.04	.013	<.005	<.008	<.009	<.08	<.006	<.02

Station number	Date	DISULF-OTON SULF-OXIDE WAT FLT REC (UG/L) (61641)	E-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79844)	ENDO-SULFAN ALPHA DISSOLV (UG/L) (34362)	ENDO-SULFAN BETA DISSOLV (UG/L) (34357)	ENDO-SULFAN ETHER WATER FLTRD REC (UG/L) (61642)	ENDO-SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	ETHION DISSOLV (UG/L) (82346)	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI-PHOS SULFONE WATER FLTRD REC (UG/L) (61645)	FENAMI-PHOS SULF-OXIDE WAT FLT REC (UG/L) (61646)	FENAMI-PHOS WATER FLTRD REC (UG/L) (61591)
0137449450	07-15-02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03	<.03
0137449494	07-15-02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03	<.03
0137449494	07-15-02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03	<.03
01374674	07-15-02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03	<.03
01374890	07-15-02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03	<.03
01374916	07-17-02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03	<.03
0137498340	07-16-02	<.002	<.02	<.005	<.01	<.004	<.006	<.004	<.03	<.008	<.03	<.03

Station number	Date	FEN-THION SULF-OXIDE WAT FLT REC (UG/L) (61647)	FEN-THION WATER FLTRD (UG/L) (38801)	FLUME-TRALIN WATER FLTRD REC (UG/L) (61592)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	HEXA-ZINONE, WATER, DISS, REC (UG/L) (04025)	HYDROXY METHYL-PENDI-METH-LION FLT REC (UG/L) (61665)	IPRO-DIONE WATER FLTRD REC (UG/L) (61593)	ISOFEN-PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA-CYHALO-THRIN WATER FLTRD REC (UG/L) (61595)	MALA-OXON WATER FLTRD REC (UG/L) (61652)	META-LAXYL WATER FLTRD REC (UG/L) (61596)
0137449450	07-15-02	<.008	<.02	<.004	<.002	<.013	<.1	<1	<.003	<.009	<.008	<.005
0137449494	07-15-02	<.008	<.02	<.004	<.002	<.013	<.1	<1	<.003	<.009	<.008	<.005
0137449494	07-15-02	<.008	<.02	<.004	<.002	<.013	<.1	<1	<.003	<.009	<.008	<.005
01374674	07-15-02	<.008	<.02	<.004	<.002	<.013	<.1	<1	<.003	<.009	<.008	<.005
01374890	07-15-02	<.008	<.02	<.004	<.002	<.013	<.1	<1	<.003	<.009	<.008	<.005
01374916	07-17-02	<.008	<.02	<.004	<.002	<.013	--	<1	<.003	<.009	<.008	E.003
0137498340	07-16-02	<.008	<.02	<.004	<.002	<.013	<.1	<1	<.003	<.009	<.008	.233

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2002--Continued

Station number	Date	METHI-DATHION WATER FLTRD REC (UG/L) (61598)	MYCLO-BUTANIL WATER FLTRD REC (UG/L) (61599)	O-ETHYL O-METHY S-PROPY —HIOATE WAT FLT REC (UG/L) (61660)	OXY-FLUOR-FEN WATER FLTRD REC (UG/L) (61600)	PARA-OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA-OXON METHYL WATER FLTRD REC (UG/L) (61664)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	PHOSMET WATER FLTRD REC (UG/L) (61601)	PHOSTE-BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO-FENOFOS WATER FLTRD REC (UG/L) (61603)
0137449450	07-15-02	<.006	<.008	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006
0137449494	07-15-02	<.006	<.008	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006
0137449494	07-15-02	<.006	<.008	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006
01374674	07-15-02	<.006	<.008	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006
01374890	07-15-02	<.006	<.008	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006
01374916	07-17-02	<.006	<.008	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006
0137498340	07-16-02	<.006	.056	<.008	<.007	<.008	<.03	<.10	<.06	<.008	<.005	<.006

Station number	Date	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	PROPET-AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO-TEPP WATER FLTRD REC (UG/L) (61605)	SUL-PROFOS WATER FLTRD REC (UG/L) (38716)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)	TEFLU-THRIN METAB-OLITE R119364 FLT REC (UG/L) (61671)	TEFLU-THRIN METAB-OLITE R152912 FLT REC (UG/L) (61672)	TEFLU-THRIN WATER FLTRD REC (UG/L) (61606)	TEME-PHOS WATER FLTRD REC (UG/L) (61607)	TER-BUFOS O-ANA-LOGUE WAT FLT REC (UG/L) (61674)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)
0137449450	07-15-02	<.005	<.004	<.003	<.02	<.006	<.02	<.01	<.008	<.3	<.07	<.01
0137449494	07-15-02	<.005	<.004	<.003	<.02	<.006	<.02	<.01	<.008	<.3	<.07	<.01
0137449494	07-15-02	<.005	<.004	<.003	<.02	<.006	<.02	<.01	<.008	<.3	<.07	<.01
01374674	07-15-02	<.005	<.004	<.003	<.02	<.006	<.02	<.01	<.008	<.3	<.07	<.01
01374890	07-15-02	<.005	<.004	<.003	<.02	<.006	<.02	<.01	<.008	<.3	<.07	<.01
01374916	07-17-02	<.005	<.004	<.003	<.02	<.006	<.02	<.01	<.008	<.3	<.07	<.01
0137498340	07-16-02	<.005	<.004	<.003	<.02	<.006	<.02	<.01	<.008	<.3	<.07	<.01

Station number	Date	TRANS-CARBOX-YATE WATER FLTRD REC (UG/L) (79843)	TRANS-PROPI-CONA-ZOLE WAT FLT REC (UG/L) (79847)	TRIBU-PHOS WATER FLTRD REC (UG/L) (61610)	Z-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79845)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)
0137449450	07-15-02	<.03	<.01	<.004	<.05	<.01
0137449494	07-15-02	<.03	<.01	<.004	<.05	<.01
0137449494	07-15-02	<.03	<.01	<.004	<.05	<.01
01374674	07-15-02	<.03	<.01	<.004	<.05	<.01
01374890	07-15-02	<.03	<.01	<.004	<.05	<.01
01374916	07-17-02	<.03	<.01	<.004	<.05	<.01
0137498340	07-16-02	<.03	E.01	<.004	<.05	<.01

New York City Reservoirs Pesticide Monitoring Project
(National water-quality assessment program)

Data from 10 surface-water sites (see figure below) sampled in cooperation with the New York State Department of Environmental Conservation and New York City Department of Environmental Protection were collected to describe the occurrence of pesticide and pesticide degradation products in reservoirs in the New York City water supply system.

For many of the samples collected, analysis was performed using three analytical methods - method SH2010, method SH2060, and method LCAA. The results from method SH2010 and method LCAA are listed in the same table. Because method SH2010 and method SH2060 share one or more pesticides, separate tables are provided for each of these methods, so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Introduction to the Hudson NAWQA section.

Estimated values are those preceded by an E, values with an M indicate presence verified, Catskill Aqueduct sites are those preceded by a c, Delaware Aqueduct sites are those preceded by a d, and replicate samples are those preceded by an *.

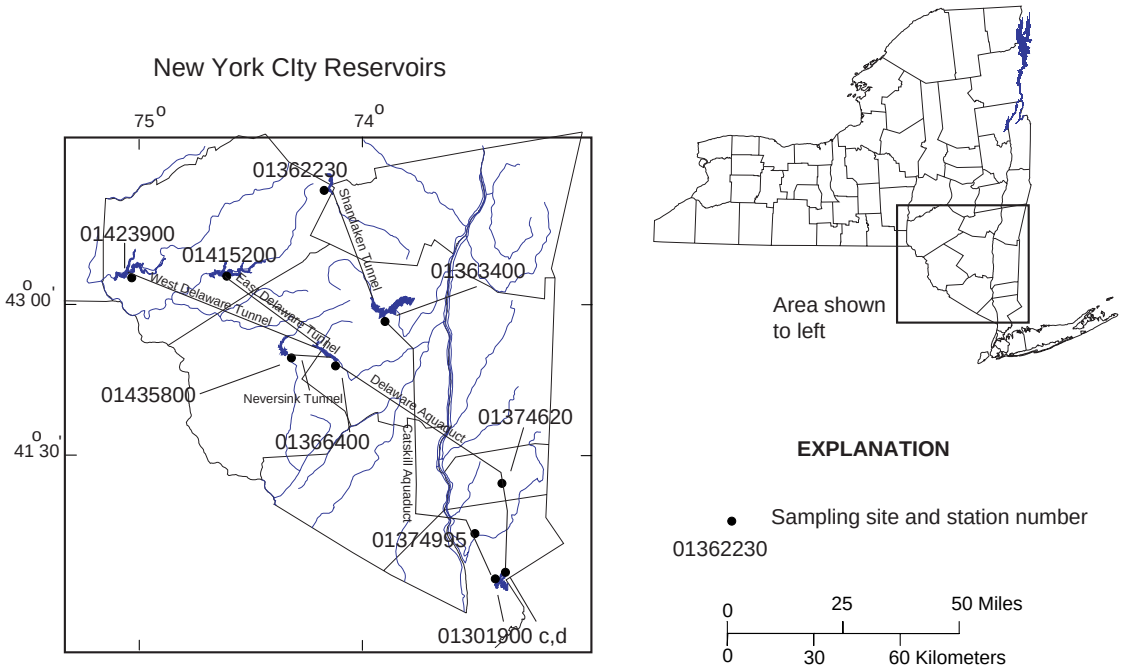


Figure 10.--Location of sites within the New York City reservoir system that were sampled for pesticide analysis.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHODS SH2010 AND LCAA

Station number	Station name	Date	Time	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)
c01301900	KENSICO RESERVOIR AT VALHALLA NY	10-30-01	0750	<.002	<.05	<.05	<.004
d01301900	KENSICO RESERVOIR AT VALHALLA NY	10-30-01	0820	<.002	<.05	<.05	<.004
d01301900	KENSICO RESERVOIR AT VALHALLA NY	05-14-02	0830	<.006	<.05	<.05	<.006
c01301900	KENSICO RESERVOIR AT VALHALLA NY	05-14-02	0845	<.006	<.05	<.05	<.006
c01301900	KENSICO RESERVOIR AT VALHALLA NY	07-16-02	0630	<.006	<.05	<.05	<.006
d01301900	KENSICO RESERVOIR AT VALHALLA NY	07-16-02	0700	<.006	<.05	<.05	<.006
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	10-29-01	1005	<.002	<.05	<.05	<.004
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	05-13-02	0905	<.006	<.05	<.05	<.006
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	07-29-02	0900	<.006	<.05	<.05	<.006
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	10-29-01	1115	<.002	<.05	<.05	<.004
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	05-13-02	1045	<.006	<.05	<.05	<.006
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	07-29-02	1100	<.006	<.05	<.05	<.006
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	10-29-01	0945	<.002	<.05	<.05	<.004
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	05-13-02	0830	<.006	<.05	<.05	<.006
*01366400	RONDOUT RESERVOIR AT LACKAWACK NY	05-13-02	0831	<.006	<.05	<.05	<.006
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	07-22-02	0800	<.006	<.05	<.05	<.006
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	10-30-01	1050	<.002	<.05	<.05	<.004
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	05-14-02	0600	<.006	<.05	<.05	<.006
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	07-16-02	0830	<.006	<.05	<.05	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-30-01	0915	<.002	<.05	<.05	<.004
*01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-30-01	0916	<.002	<.05	<.05	<.004
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	02-13-02	1015	<.006	--	--	<.006
*01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	02-13-02	1016	<.006	--	--	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	05-14-02	0750	<.006	<.05	<.05	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	06-18-02	0915	<.006	<.05	<.05	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-16-02	0940	<.006	<.05	<.05	<.006
*01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-16-02	1000	<.006	<.05	<.05	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	08-13-02	1130	<.006	<.05	<.05	<.006
01415200	DIVERSION FROM PEPACTON RESERVOIR	10-29-01	0900	<.002	<.05	<.05	<.004
01415200	DIVERSION FROM PEPACTON RESERVOIR	05-13-02	1030	<.006	<.05	<.05	<.006
01415200	DIVERSION FROM PEPACTON RESERVOIR	07-22-02	0840	<.006	<.05	<.05	<.006
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	10-29-01	1200	<.002	<.05	<.05	<.004
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	05-13-02	0800	<.006	<.05	<.05	<.006
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	07-22-02	0900	<.006	<.05	<.05	<.006
01435800	DIVERSION FROM NEVERSINK RESERVOIR	10-29-01	0805	<.002	<.05	<.05	<.004
01435800	DIVERSION FROM NEVERSINK RESERVOIR	05-13-02	0730	<.006	<.05	<.05	<.006
01435800	DIVERSION FROM NEVERSINK RESERVOIR	07-22-02	0720	<.006	<.05	<.05	<.006

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHODS SH2010 AND LCAA--Continued

Station number	Date	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	ALA-CHLOR ESA WAT FLT GF 0.7U REC (UG/L) (50009)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)
01301900	10-30-01	<.05	<.05	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01301900	10-30-01	<.05	<.05	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01301900	05-14-02	<.05	<.05	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018
01301900	05-14-02	<.05	<.05	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018
01301900	07-16-02	<.05	<.05	<.004	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018
01301900	07-16-02	<.05	<.05	<.004	<.005	.007	<.010	<.002	<.041	<.020	<.005	<.018
01362230	10-29-01	<.05	<.05	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01362230	05-13-02	<.05	<.05	<.004	<.005	E.003	<.010	<.002	<.041	<.020	<.005	<.018
01362230	07-29-02	<.05	<.05	<.004	<.005	.008	<.010	<.002	<.041	<.020	<.005	<.018
01363400	10-29-01	<.05	<.05	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01363400	05-13-02	<.05	<.05	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01363400	07-29-02	<.05	<.05	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01366400	10-29-01	<.05	<.05	<.002	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018
01366400	05-13-02	<.05	<.05	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018
01366400	05-13-02	<.05	<.05	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018
01366400	07-22-02	<.05	<.05	<.004	<.005	.009	<.010	<.002	<.041	<.020	<.005	<.018
01374620	10-30-01	<.05	<.05	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01374620	05-14-02	<.05	<.05	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018
01374620	07-16-02	<.05	<.05	<.004	<.005	.008	<.010	<.002	<.041	<.020	<.005	<.018
01374995	10-30-01	<.05	<.05	<.002	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018
01374995	10-30-01	<.05	<.05	<.002	<.005	E.007	<.010	<.002	<.041	<.020	<.005	<.018
01374995	02-13-02	--	--	<.004	<.005	.007	<.010	<.002	<.041	<.020	<.005	<.018
01374995	02-13-02	--	--	<.004	<.005	.007	<.010	<.002	<.041	<.020	<.005	<.018
01374995	05-14-02	<.05	<.05	<.004	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01374995	06-18-02	<.05	<.05	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01374995	07-16-02	<.05	<.05	<.004	<.005	E.007	<.010	<.002	<.041	<.020	<.005	<.018
01374995	07-16-02	<.05	<.05	<.004	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018
01374995	08-13-02	<.05	<.05	<.004	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018
01415200	10-29-01	<.05	<.05	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01415200	05-13-02	<.05	<.05	<.004	<.005	E.003	<.010	<.002	<.041	<.020	<.005	<.018
01415200	07-22-02	<.05	<.05	<.004	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018
01423900	10-29-01	<.05	<.05	<.002	<.005	.010	<.010	<.002	<.041	<.020	<.005	<.018
01423900	05-13-02	<.05	<.05	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018
01423900	07-22-02	<.05	<.05	<.004	<.005	.021	<.010	<.002	<.041	<.020	<.005	<.018
01435800	10-29-01	<.05	<.05	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01435800	05-13-02	<.05	<.05	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01435800	07-22-02	<.05	<.05	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHODS SH2010 AND LCAA--Continued

Station number	Date	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DIMETH-ENAMID OA, WATER FLT, REC (UG/L) (62482)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUFEN-ACET, ESA, WAT FLT (UG/L) (61952)
01301900	10-30-01	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	--
01301900	10-30-01	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	--
01301900	05-14-02	<.003	E.003	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01301900	05-14-02	<.003	E.002	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01301900	07-16-02	<.003	E.005	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01301900	07-16-02	<.003	E.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01362230	10-29-01	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	--
01362230	05-13-02	<.003	E.002	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01362230	07-29-02	<.003	E.005	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01363400	10-29-01	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01363400	05-13-02	<.003	E.002	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01363400	07-29-02	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01366400	10-29-01	<.003	E.003	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	--
01366400	05-13-02	<.003	E.003	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01366400	05-13-02	<.003	E.003	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01366400	07-22-02	<.003	E.004	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01374620	10-30-01	<.003	E.003	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01374620	05-14-02	<.003	E.003	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01374620	07-16-02	<.003	E.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01374995	10-30-01	<.003	<.006	E.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	--
01374995	10-30-01	<.003	E.002	E.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	--
01374995	02-13-02	<.003	E.004	E.003	<.005	--	--	<.02	<.002	<.009	<.005	--
01374995	02-13-02	<.003	E.004	E.002	<.005	--	--	<.02	<.002	<.009	<.005	--
01374995	05-14-02	<.003	E.003	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01374995	06-18-02	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01374995	07-16-02	<.003	E.006	E.003	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01374995	07-16-02	<.003	E.006	E.003	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01374995	08-13-02	<.003	E.004	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01415200	10-29-01	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	--
01415200	05-13-02	<.003	E.002	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01415200	07-22-02	<.003	E.003	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01423900	10-29-01	<.003	E.009	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01423900	05-13-02	<.003	E.005	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01423900	07-22-02	<.003	E.005	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01435800	10-29-01	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	--
01435800	05-13-02	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05
01435800	07-22-02	<.003	<.006	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHODS SH2010 AND LCAA--Continued

Station number	Date	FLUFE-NACET OA, WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
01301900	10-30-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01301900	10-30-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01301900	05-14-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	E.003	<.006
01301900	05-14-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	E.003	<.006
01301900	07-16-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	E.007	<.006
01301900	07-16-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.05	<.05	E.007	<.006
01362230	10-29-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01362230	05-13-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.003	<.006
01362230	07-29-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01363400	10-29-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01363400	05-13-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.002	<.006
01363400	07-29-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01366400	10-29-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01366400	05-13-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.07	<.05	E.003	<.006
01366400	05-13-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	E.003	<.006
01366400	07-22-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.09	.09	E.009	<.006
01374620	10-30-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01374620	05-14-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	E.003	<.006
01374620	07-16-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.09	<.05	E.008	<.006
01374995	10-30-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01374995	10-30-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01374995	02-13-02	--	<.003	<.004	<.035	<.027	<.050	<.006	--	--	<.013	<.006
01374995	02-13-02	--	<.003	<.004	<.035	<.027	<.050	<.006	--	--	<.013	<.006
01374995	05-14-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01374995	06-18-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01374995	07-16-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.006	<.006
01374995	07-16-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.005	<.006
01374995	08-13-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.004	<.006
01415200	10-29-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01415200	05-13-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.003	<.006
01415200	07-22-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01423900	10-29-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.13	<.05	E.006	<.006
01423900	05-13-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.16	<.05	E.004	<.006
01423900	07-22-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.17	.10	.017	<.006
01435800	10-29-01	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01435800	05-13-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01435800	07-22-02	<.05	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHODS SH2010 AND LCAA--Continued

Station number	Date	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)
01301900	10-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01301900	10-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01301900	05-14-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01301900	05-14-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01301900	07-16-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01301900	07-16-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01362230	10-29-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01362230	05-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01362230	07-29-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01363400	10-29-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01363400	05-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01363400	07-29-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01366400	10-29-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01366400	05-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01366400	05-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01366400	07-22-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01374620	10-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01374620	05-14-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01374620	07-16-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01374995	10-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01374995	10-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01374995	02-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01	<.004	<.010
01374995	02-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01	<.004	<.010
01374995	05-14-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004	<.010
01374995	06-18-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01374995	07-16-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01	<.004	<.010
01374995	07-16-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01	<.004	<.010
01374995	08-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01	<.004	<.010
01415200	10-29-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01415200	05-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01415200	07-22-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01423900	10-29-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01423900	05-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01423900	07-22-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004	<.010
01435800	10-29-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
01435800	05-13-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
01435800	07-22-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHODS SH2010 AND LCAA--Continued

Station number	Date	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
01301900	10-30-01	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
01301900	10-30-01	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
01301900	05-14-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01301900	05-14-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01301900	07-16-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01301900	07-16-02	<.011	<.02	.005	<.02	<.034	<.02	<.005	<.002	<.009
01362230	10-29-01	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
01362230	05-13-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01362230	07-29-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01363400	10-29-01	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
01363400	05-13-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01363400	07-29-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01366400	10-29-01	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
01366400	05-13-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01366400	05-13-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01366400	07-22-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374620	10-30-01	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
01374620	05-14-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374620	07-16-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374995	10-30-01	<.011	<.02	.051	<.02	<.034	<.02	<.005	<.002	<.009
01374995	10-30-01	<.011	<.02	.057	<.02	<.034	<.02	<.005	<.002	<.009
01374995	02-13-02	<.011	<.02	.040	<.02	<.034	<.02	<.005	<.002	<.009
01374995	02-13-02	<.011	<.02	.037	<.02	<.034	<.02	<.005	<.002	<.009
01374995	05-14-02	<.011	<.02	.025	<.02	<.034	<.02	<.005	<.002	<.009
01374995	06-18-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01374995	07-16-02	<.011	<.02	.013	<.02	<.034	<.02	<.005	<.002	<.009
01374995	07-16-02	<.011	<.02	.014	<.02	<.034	<.02	<.005	<.002	<.009
01374995	08-13-02	<.011	<.02	.013	<.02	<.034	<.02	<.005	<.002	<.009
01415200	10-29-01	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
01415200	05-13-02	<.011	<.02	E.003	<.02	<.034	<.02	<.005	<.002	<.009
01415200	07-22-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01423900	10-29-01	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
01423900	05-13-02	<.011	<.02	.006	<.02	<.034	<.02	<.005	<.002	<.009
01423900	07-22-02	<.011	<.02	.009	<.02	<.034	<.02	<.005	<.002	<.009
01435800	10-29-01	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009
01435800	05-13-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
01435800	07-22-02	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009

METHOD SH2060

Station number	Station name	Date	Time	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)
c01301900	KENSICO RESERVOIR AT VALHALLA NY	07-16-02	0635	<.009	<.02	<.02	<.006
d01301900	KENSICO RESERVOIR AT VALHALLA NY	07-16-02	0705	<.009	<.02	<.02	<.006
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	07-29-02	0905	<.009	<.02	<.02	<.006
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	07-29-02	1105	<.009	<.02	<.02	<.006
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	07-22-02	0805	<.009	<.02	<.02	<.006
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	07-16-02	0835	<.009	<.02	<.02	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-30-01	0920	<.009	.03	<.02	<.006
*01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-30-01	0921	<.009	.04	<.02	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	02-13-02	1020	<.009	E.02	<.02	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	02-13-02	1021	<.009	.02	<.02	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	05-14-02	0755	<.009	E.02	<.02	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	06-18-02	0920	<.009	.03	<.02	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-16-02	0945	<.009	.05	<.02	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-16-02	1005	<.009	.04	<.02	<.006
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	08-13-02	1135	<.009	.05	<.02	<.006
01415200	DIVERSION FROM PEPACTON RESERVOIR	07-22-02	0845	<.009	<.02	<.02	<.006
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	07-22-02	0905	<.009	<.02	<.02	<.006
01435800	DIVERSION FROM NEVERSINK RESERVOIR	07-22-02	0725	<.009	<.02	<.02	<.006

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Station number	Date	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)
01301900	07-16-02	<2	<.007	<.02	<.008	<.04	E.004	<.03	<.004	<.02	<.01	<.03
01301900	07-16-02	<2	<.007	<.02	<.008	<.04	E.004	<.03	<.004	<.02	<.01	<.03
01362230	07-29-02	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03
01363400	07-29-02	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03
01366400	07-22-02	<2	<.007	<.02	<.008	<.04	E.004	<.03	<.004	<.02	<.01	<.03
01374620	07-16-02	<2	<.007	<.02	<.008	<.04	E.006	<.03	<.004	<.02	<.01	<.03
01374995	10-30-01	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03
01374995	10-30-01	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03
01374995	02-13-02	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03
01374995	02-13-02	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03
01374995	05-14-02	<2	<.007	<.02	<.008	<.04	E.003	<.03	<.004	<.02	<.01	<.03
01374995	06-18-02	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03
01374995	07-16-02	<2	<.007	<.02	<.008	<.04	E.004	<.03	<.004	<.02	<.01	<.03
01374995	07-16-02	<2	<.007	<.02	<.008	<.04	E.004	<.03	<.004	<.02	<.01	<.03
01374995	08-13-02	<2	<.007	<.02	<.008	<.04	E.004	<.03	E.009	<.02	<.01	<.03
01415200	07-22-02	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03
01423900	07-22-02	<2	<.007	<.02	<.008	<.04	.015	<.03	<.004	<.02	<.01	<.03
01435800	07-22-02	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03

Station number	Date	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)
01301900	07-16-02	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01301900	07-16-02	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01362230	07-29-02	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01363400	07-29-02	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01366400	07-22-02	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374620	07-16-02	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374995	10-30-01	<.02	E.013	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374995	10-30-01	<.02	E.013	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374995	02-13-02	<.02	.025	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374995	02-13-02	<.02	.025	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374995	05-14-02	<.02	.041	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374995	06-18-02	<.02	.046	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374995	07-16-02	<.02	.038	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374995	07-16-02	<.02	E.040	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01374995	08-13-02	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01415200	07-22-02	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03
01423900	07-22-02	<.02	.015	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	M
01435800	07-22-02	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03

Station number	Date	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)
01301900	07-16-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.004
01301900	07-16-02	<.01	M	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.003
01362230	07-29-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
01363400	07-29-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
01366400	07-22-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.004
01374620	07-16-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.005
01374995	10-30-01	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
01374995	10-30-01	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
01374995	02-13-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
01374995	02-13-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
01374995	05-14-02	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.01	<.03	E.006
01374995	06-18-02	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.01	<.03	E.006
01374995	07-16-02	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.01	<.03	E.005
01374995	07-16-02	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.01	<.03	E.005
01374995	08-13-02	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.01	<.03	<.008
01415200	07-22-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
01423900	07-22-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.010
01435800	07-22-02	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Station number	Date	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)
01301900	07-16-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01301900	07-16-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01362230	07-29-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01363400	07-29-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01366400	07-22-02	<.02	--	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374620	07-16-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374995	10-30-01	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374995	10-30-01	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374995	02-13-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374995	02-13-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374995	05-14-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374995	06-18-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374995	07-16-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374995	07-16-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01374995	08-13-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01415200	07-22-02	<.02	--	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01423900	07-22-02	<.02	--	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01
01435800	07-22-02	<.02	--	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01

Station number	Date	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
01301900	07-16-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01301900	07-16-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01362230	07-29-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01363400	07-29-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01366400	07-22-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374620	07-16-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	10-30-01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	10-30-01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	02-13-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	02-13-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	05-14-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	06-18-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	M	<.009	<.006
01374995	07-16-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	07-16-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	08-13-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01415200	07-22-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01423900	07-22-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01435800	07-22-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006

Station number	Date	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
01301900	07-16-02	<.010	<.02	<.02
01301900	07-16-02	<.010	<.02	<.02
01362230	07-29-02	<.010	<.02	<.02
01363400	07-29-02	<.010	<.02	<.02
01366400	07-22-02	<.010	<.02	<.02
01374620	07-16-02	<.010	<.02	<.02
01374995	10-30-01	<.010	<.02	<.02
01374995	10-30-01	<.010	<.02	<.02
01374995	02-13-02	<.010	<.02	<.02
01374995	02-13-02	<.010	<.02	<.02
01374995	05-14-02	<.010	<.02	<.02
01374995	06-18-02	<.010	<.02	<.02
01374995	07-16-02	<.010	<.02	<.02
01374995	07-16-02	<.010	<.02	<.02
01374995	08-13-02	<.010	<.02	<.02
01415200	07-22-02	<.010	<.02	<.02
01423900	07-22-02	<.010	<.02	<.02
01435800	07-22-02	<.010	<.02	<.02

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Poughkeepsie Water-Treatment Plant Pesticide Monitoring
(National water-quality assessment program)

Samples were collected at the Poughkeepsie water-treatment plant for pesticide analysis in cooperation with the U.S. Department of Agriculture. These data were collected as part of a national effort to characterize pesticide and pesticide degradate occurrence in surface water supplies across the nation.

For many of the samples collected, analysis was performed using three analytical methods - method SH2010, method SH2060, and method LCAA. The results from method SH2010 and method LCAA are listed in the same table. Because method SH2010 and method SH2060 share one or more pesticides, separate tables are provided for each of these methods, so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Introduction to the Hudson NAWQA section.

Data were collected from a raw-water tap at the Poughkeepsie water-treatment plant and were stored under the USGS station number 414318073562501. Previous data occasionally collected at this raw-water tap were reported under 01372043 - Hudson River at Poughkeepsie.

Estimated values are those preceded by an E, values with an M indicate presence verified, not quantified, and replicate samples are those preceded by an * (only noted on first page of appearance).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHODS SH2010 AND LCAA

Date	Time	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	ALA-CHLOR ESA WAT FLT GF 0.7U REC (UG/L) (50009)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
OCT													
30...	1300	<.002	<.05	<.05	<.004	<.05	<.05	<.002	<.005	.016	<.010	<.002	<.041
FEB													
13...	1400	<.006	<.05	<.05	<.006	<.05	<.05	<.004	<.005	E.006	<.010	<.002	<.041
JUN													
06...	0935	<.006	<.05	<.05	<.006	<.05	<.05	<.004	<.005	.029	<.010	<.002	<.041
17...	0900	<.006	<.05	<.05	<.006	<.05	<.05	<.004	<.005	.108	<.010	<.002	<.041
24...	0920	<.006	<.05	<.05	<.006	<.05	<.05	.013	<.005	.486	<.010	<.002	<.041
JUL													
01...	0915	<.006	<.05	<.05	<.006	<.05	<.05	.007	<.005	.250	<.010	<.002	<.041
09...	0835	<.006	<.05	<.05	<.006	<.05	<.05	<.004	<.005	.166	<.010	<.002	<.041
22...	1100	<.006	<.05	<.05	<.006	<.05	<.05	<.004	<.005	.144	<.010	<.002	<.041
*22...	1110	<.006	<.05	<.05	<.006	<.05	<.05	<.004	<.005	.141	<.010	<.002	<.041
AUG													
12...	0845	<.006	<.05	<.05	<.006	<.05	<.05	<.004	<.005	.151	<.010	<.002	<.041

Date	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DIMETH-ENAMID OA, WATER FLT, REC (UG/L) (62482)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
OCT													
30...	<.020	<.005	<.018	<.003	E.008	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005
FEB													
13...	<.020	<.005	<.018	<.003	E.005	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005
JUN													
06...	<.020	<.005	<.018	<.003	E.008	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005
17...	<.020	<.005	<.018	<.003	E.013	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005
24...	<.020	<.005	<.018	<.003	E.030	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005
JUL													
01...	<.020	<.005	E.008	<.003	E.030	E.003	<.005	<.05	<.05	<.02	<.002	<.009	<.005
09...	<.020	<.005	<.018	<.003	E.017	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005
22...	<.020	<.005	<.018	<.003	E.013	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005
*22...	<.020	<.005	<.018	<.003	E.014	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005
AUG													
12...	<.020	<.005	<.018	<.003	E.017	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005

Date	FLUFEN-ACET, ESA, WAT FLT (UG/L) (61952)	FLUFE-NACET OA, WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
OCT													
30...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	E.010	<.006	<.002
FEB													
13...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.05	<.05	E.007	<.006	<.002
JUN													
06...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.12	.06	.020	<.006	<.002
17...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.11	.05	.065	<.006	<.002
24...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.15	.09	.284	<.006	<.002
JUL													
01...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.16	.07	.134	<.006	<.002
09...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.17	.07	.086	<.006	<.002
22...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.14	.11	.069	<.006	<.002
*22...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.14	.11	.069	<.006	<.002
AUG													
12...	<.05	<.05	<.003	<.004	<.035	<.027	<.050	<.006	.13	.06	.072	<.006	<.002

Poughkeepsie Water-Treatment Plant Pesticide Monitoring--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHODS SH2010 AND LCAA--Continued

Date	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
OCT													
30...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.011
FEB													
13...	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.005
JUN													
06...	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	.008
17...	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.005
24...	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	.012
JUL													
01...	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004	<.010	<.011	<.02	.015
09...	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004	<.010	<.011	<.02	.014
22...	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004	<.010	<.011	<.02	.013
22...	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	.013
AUG													
12...	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004	<.010	<.011	<.02	.015

Date	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT						
30...	<.02	<.034	<.02	<.005	<.002	<.009
FEB						
13...	<.02	<.034	<.02	<.005	<.002	<.009
JUN						
06...	<.02	<.034	<.02	<.005	<.002	<.009
17...	<.02	<.034	<.02	<.005	<.002	<.009
24...	<.02	<.034	<.02	<.005	<.002	<.009
JUL						
01...	<.02	<.034	<.02	<.005	<.002	<.009
09...	<.02	<.034	<.02	<.005	<.002	<.009
22...	<.02	<.034	<.02	<.005	<.002	<.009
22...	E.01	<.034	<.02	<.005	<.002	<.009
AUG						
12...	<.02	<.034	<.02	<.005	<.002	<.009

METHOD SH2060

Date	Time	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)
OCT													
30...	1305	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.004	<.03	<.004
FEB													
13...	1405	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
JUN													
06...	0940	<.009	.03	<.02	<.006	<2	<.007	<.02	<.008	<.04	.027	<.03	<.004
17...	0905	<.009	.03	<.02	<.006	<2	<.007	<.02	<.008	<.04	.070	<.03	<.004
24...	0925	<.009	.03	<.02	<.006	<2	<.007	<.02	<.008	<.04	.139	<.03	<.004
JUL													
01...	0920	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	.166	<.03	<.004
09...	0840	<.009	E.01	<.02	<.006	<2	<.007	<.02	<.008	<.04	.129	<.03	<.004
22...	1105	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	.115	<.03	<.004
22...	1115	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	.108	<.03	<.004
AUG													
12...	0850	<.009	<.02	<.02	<.006	<2	<.007	<.02	<.008	<.04	E.034	<.03	<.004

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Poughkeepsie Water-Treatment Plant Pesticide Monitoring--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)
OCT													
30...	<.02	<.01	<.03	<.02	E.011	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
FEB													
13...	<.02	<.01	<.03	<.02	.087	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
JUN													
06...	<.02	<.01	<.03	<.02	.025	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
17...	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
24...	<.02	E.01	<.03	<.02	.031	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
JUL													
01...	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
09...	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
22...	<.02	<.01	<.03	<.02	.030	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
22...	<.02	<.01	<.03	<.02	.033	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01
AUG													
12...	<.02	<.01	<.03	<.02	E.039	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01

Date	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)
OCT													
30...	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.007	<.02
FEB													
13...	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008	<.02
JUN													
06...	<.03	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.01	<.03	E.005	<.02
17...	E.01	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.01	<.03	<.008	<.02
24...	E.01	E.02	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.226	<.02
JUL													
01...	E.02	<.01	E.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.025	<.02
09...	E.02	<.01	E.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.021	<.02
22...	E.01	<.01	E.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.039	<.02
22...	E.01	<.01	E.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.050	<.02
AUG													
12...	<.03	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	E.146	<.02

Date	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)
OCT													
30...	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01	<.02	<.02
FEB													
13...	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	E.04	<.01	<.01	<.02	<.02
JUN													
06...	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01	<.02	<.02
17...	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01	<.02	<.02
24...	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01	<.02	<.02
JUL													
01...	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01	<.02	<.02
09...	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01	<.02	<.02
22...	--	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01	<.02	<.02
22...	--	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01	<.02	<.02
AUG													
12...	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.01	<.01	<.02	<.02

Poughkeepsie Water-Treatment Plant Pesticide Monitoring--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Date	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
OCT											
30...	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
FEB											
13...	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
JUN											
06...	<.01	<.02	<.010	<.02	<.008	<.02	<.009	E.004	<.010	<.02	<.02
17...	<.01	<.02	<.010	<.02	<.008	<.02	<.009	E.006	<.010	<.02	<.02
24...	<.01	<.02	<.010	<.02	<.008	M	<.009	E.004	<.010	<.02	<.02
JUL											
01...	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
09...	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02	<.02
22...	<.01	<.02	<.010	<.02	<.008	<.02	<.009	E.004	<.010	<.02	<.02
22...	<.01	<.02	<.010	<.02	<.008	<.02	<.009	E.004	<.010	<.02	<.02
AUG											
12...	<.01	<.02	<.010	<.02	<.008	M	<.009	E.005	<.010	<.02	<.02

Aquifers within the Mohawk River Basin

In October 2001, the U.S. Geological Survey, in cooperation with the New York State Department of Environmental Conservation (NYSDEC), began a pilot study to characterize the native ground-water quality from aquifers within major river basins in New York State. Designed to compliment the ongoing Rotating Intensive Basins Studies Program being conducted by NYSDEC, this pilot study was designed to provide water-quality data on ground water from both stratified- drift and bedrock aquifers within the Mohawk River basin. During August and September 2002, 23 municipal supply wells within the basin, completed in both bedrock and sand and gravel aquifers, were sampled for a variety of chemical constituents. The ground-water samples obtained were analyzed for common anions and cations, nutrients, heavy metals, volatile organic compounds, radon-222, and tritium. The analyses were performed by the USGS National Water-Quality Laboratory in Denver, CO. Samples for time-critical constituents were shipped to the laboratory within 24 hours of sampling, and replicate samples from two wells were obtained for quality control. The map below shows the location of the wells that were sampled along with the county identifying number.

For many of the pesticide samples collected, analysis was performed using three analytical methods - method SH2010, method SH2060, and method LCAA. The results from method SH2010 and method LCAA can be found in the same table. Because method SH2010 and method SH2060 share one or more pesticides, separate tables are provided for each of these methods, so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Introduction to the Hudson NAWQA section.

Estimated values are those preceded by an E, values with an M indicate presence verified, not quantified, and replicate samples are those preceded by an * (only noted on first page of appearance).

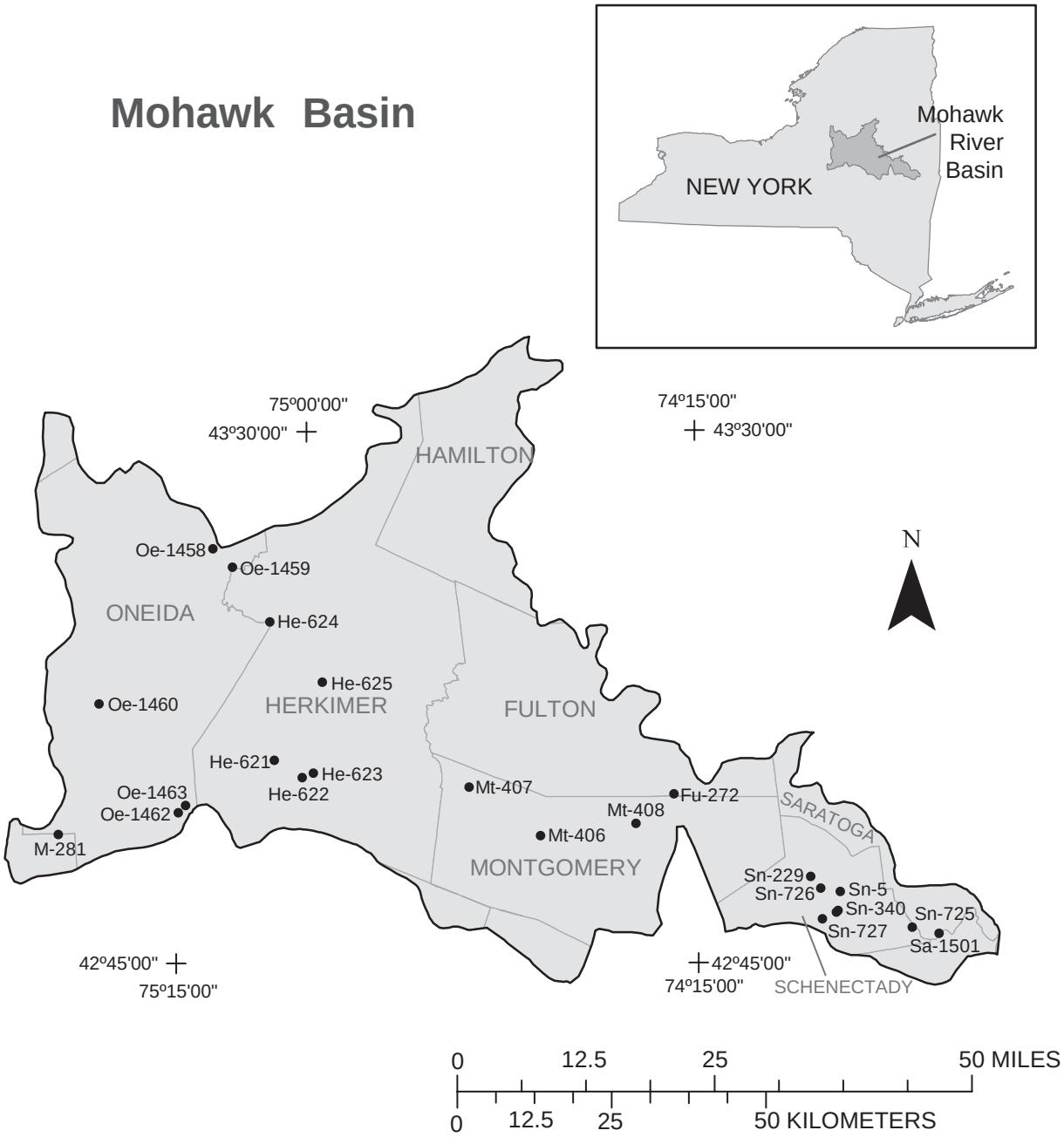


Figure 11.--Location of municipal supply wells within the Mohawk River basin that were sampled for ground-water quality during August and September 2002.

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident-i-fier	Station number	Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAM-PLING METHOD, CODES (82398)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	OXYGEN, DIS-SOLVED (MG/L) (00300)
				FULTON COUNTY						
FU 272	425916074175101	09-04-02	1015	65	740	30	120	8030	31	.3
		09-04-02	1030	65	740	30	120	8030	31	.3
		09-04-02	1045	65	740	30	120	--	--	--
		09-04-02	1055	65	740	30	120	--	--	--
				HERKIMER COUNTY						
HE 621	430212075034901	09-11-02	0950	75	405	840	30	8030	16	4.1
		09-11-02	0955	75	405	840	30	8030	--	4.1
		09-11-02	1015	75	405	840	30	--	--	--
HE 622	430047075003001	09-11-02	1120	52	395	660	120	8030	13	4.3
		09-11-02	1125	52	395	660	120	8030	--	4.3
		09-11-02	1130	52	395	660	120	--	--	--
HE 623	430107074591301	09-11-02	1300	--	390	250	120	8030	22	2.3
		09-11-02	1305	--	390	250	120	--	--	--
HE 624	431353075041801	09-16-02	1030	70	715	110	60	8030	2.1	5.5
		09-16-02	1055	70	715	110	60	--	--	--
HE 625	430848074581301	09-16-02	1245	47	625	135	60	8030	2.6	6.0
		09-16-02	1305	47	625	135	60	--	--	--
				MADISON COUNTY						
M 281	425553075283601	09-23-02	1250	--	1020	280	--	8030	--	.3
		09-23-02	1255	--	1020	280	--	8030	--	.3
		09-23-02	1300	--	1020	280	--	--	--	--
				MONTGOMERY COUNTY						
MT 406	425550074330701	09-09-02	0900	815	785	230	120	8030	8890	.1
		09-09-02	0910	815	785	230	120	--	--	--
MT 407	425957074412101	09-09-02	1030	--	320	305	30	8030	169	6.6
		09-09-02	1050	--	320	305	30	8030	--	--
MT 408	425647074221001	09-04-02	1200	190	300	150	120	8030	42	.4
		09-04-02	1215	190	300	150	120	--	--	--
				ONEIDA COUNTY						
OE1458	432004075105101	09-18-02	1230	500	1215	120	60	8030	--	.2
		09-18-02	1300	500	1215	120	60	8030	--	.2
		09-18-02	1305	500	1215	120	60	--	--	--
		09-18-02	1330	500	1215	120	60	--	--	--
OE1459	431832075083501	09-18-02	1500	46	1260	55	20	8030	--	7.5
		09-18-02	1505	46	1260	55	20	--	--	--
OE1460	430655075240001	09-23-02	1030	28	520	350	60	8030	--	4.8
		09-23-02	1035	28	520	350	60	8030	--	4.8
		09-23-02	1045	28	520	350	60	--	--	--
OE1462	425747075144501	09-25-02	1100	87	1045	50	60	8030	--	.2
		09-25-02	1105	87	1045	50	60	8030	--	.2
		09-25-02	1109	87	1045	--	--	--	--	--
		09-25-02	1115	87	1045	50	60	--	--	--
OE1463	425824075140101	09-25-02	1230	--	1080	--	60	8030	--	10.5
		09-25-02	1240	--	1080	130	60	8030	--	10.5
		09-25-02	1241	--	1080	130	60	8030	--	10.5
		09-25-02	1245	--	1080	130	60	--	--	--
				SARATOGA COUNTY						
SA1501	424713073473601	08-28-02	1000	--	190	1000	3600	8030	18	--
				SCHENECTADY COUNTY						
SN 5	425052073585102	08-26-02	1125	85.0	270.00	1000	--	--	--	--
		08-26-02	1130	85.0	270.00	1000	--	8030	4.4	--
SN 135	424909073591601	08-21-02	0900	69.0	230.00	3500	120	8030	7.5	--
		08-21-02	0935	69.0	230.00	3500	120	--	--	--
SN 229	425211074021605	08-21-02	1230	63.0	260.00	300	120	8030	35	--
		08-21-02	1308	63.0	260.00	300	120	--	--	--
SN 340	424918073591001	08-21-02	1005	81.0	237.00	1800	120	8030	--	--
		08-21-02	1100	81.0	237.00	1800	120	--	--	--
SN 725	424748073503401	08-26-02	0930	55	195	300	--	8030	29	--
		08-26-02	0950	55	195	300	--	--	--	--
SN 726	425111074010501	08-26-02	1245	60	238	700	--	8030	6.2	--
		08-26-02	1300	60	238	700	--	--	--	--
SN 727	424836074005501	09-04-02	1400	166	550	30	60	8030	63	.2
		09-04-02	1425	166	550	30	60	--	--	--

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS NONCARB DISSOLV LAB AS CACO3 (MG/L) (00905)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
					FULTON COUNTY						
FU 272	09-04-02	2	7.2	655	9.7	68	310	95.8	16.1	.95	13.6
	09-04-02	2	7.2	655	9.7	71	310	96.7	16.2	.94	13.5
	09-04-02	--	--	--	9.7	--	--	--	--	--	--
	09-04-02	--	7.2	--	9.7	--	--	--	--	--	--
					HERKIMER COUNTY						
HE 621	09-11-02	38	7.5	861	11.6	66	320	90.8	22.1	2.36	52.5
	09-11-02	38	7.5	861	11.6	--	--	--	--	--	--
	09-11-02	--	--	--	11.6	--	--	--	--	--	--
HE 622	09-11-02	40	7.6	880	12.3	61	300	92.7	16.2	3.64	62.7
	09-11-02	40	7.6	880	12.3	--	--	--	--	--	--
	09-11-02	--	--	--	12.3	--	--	--	--	--	--
HE 623	09-11-02	22	7.4	1150	12.6	120	400	127	20.9	2.28	83.4
	09-11-02	--	--	--	12.6	--	--	--	--	--	--
HE 624	09-16-02	49	8.2	344	9.6	--	170	56.0	7.85	1.04	4.89
	09-16-02	--	--	--	9.6	--	--	--	--	--	--
HE 625	09-16-02	52	8.1	343	9.3	--	180	54.0	9.78	1.02	4.20
	09-16-02	--	--	--	9.3	--	--	--	--	--	--
					MADISON COUNTY						
M 281	09-23-02	2	7.9	566	9.1	--	310	65.2	35.9	1.31	4.81
	09-23-02	2	7.9	566	9.1	--	--	--	--	--	--
	09-23-02	--	--	--	9.1	--	--	--	--	--	--
					MONTGOMERY COUNTY						
MT 406	09-09-02	.0	4.8	1080	9.4	210	500	148	32.4	4.40	41.3
	09-09-02	--	--	--	9.4	--	--	--	--	--	--
MT 407	09-09-02	59	6.4	487	9.9	24	250	65.4	21.7	1.07	7.50
	09-09-02	--	--	--	9.9	--	--	--	--	--	--
MT 408	09-04-02	4	7.1	999	12.7	50	330	89.7	25.7	2.23	74.9
	09-04-02	--	--	--	12.7	--	--	--	--	--	--
					ONEIDA COUNTY						
OE1458	09-18-02	2	7.9	418	9.5	4	220	61.9	14.7	.45	4.26
	09-18-02	2	7.9	418	9.5	2	220	62.2	14.9	1.66	4.32
	09-18-02	--	--	--	9.5	--	--	--	--	--	--
	09-18-02	--	--	--	9.5	--	--	--	--	--	--
OE1459	09-18-02	63	8.2	312	8.2	--	170	60.7	4.06	.46	1.99
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1460	09-23-02	47	7.6	941	13.5	--	370	95.1	31.2	2.10	60.0
	09-23-02	47	--	941	13.5	--	--	--	--	--	--
	09-23-02	--	--	--	13.5	--	--	--	--	--	--
OE1462	09-25-02	1	8.0	582	9.8	--	280	72.5	23.1	.99	14.8
	09-25-02	1	8.0	582	9.8	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	9.8	--	--	--	--	--	--
OE1463	09-25-02	91	8.0	639	9.0	--	350	104	22.4	.62	1.83
	09-25-02	91	8.0	639	9.0	--	--	--	--	--	--
	09-25-02	91	8.0	639	9.0	--	--	--	--	--	--
	09-25-02	--	--	--	9.0	--	--	--	--	--	--
					SARATOGA COUNTY						
SA1501	08-28-02	--	7.3	507	12.8	33	230	73.0	11.7	2.35	14.8
					SCHENECTADY COUNTY						
SN 5	08-26-02	--	--	--	7.7	--	--	--	--	--	--
	08-26-02	--	7.8	541	7.7	42	200	59.5	12.8	1.40	34.4
SN 135	08-21-02	13	7.6	427	12.2	17	170	53.1	9.75	1.32	18.7
	08-21-02	13	7.6	427	12.2	--	--	--	--	--	--
SN 229	08-21-02	9	7.2	939	11.1	67	350	99.6	24.5	2.65	55.7
	08-21-02	--	--	--	11.1	--	--	--	--	--	--
SN 340	08-21-02	7	7.6	438	16.4	--	--	--	--	--	--
	08-21-02	--	--	--	16.4	27	190	55.6	12.2	1.37	18.8
SN 725	08-26-02	--	7.1	662	10.5	70	250	71.9	16.6	1.79	35.3
	08-26-02	--	--	--	10.5	--	--	--	--	--	--
SN 726	08-26-02	--	7.7	465	13.2	26	190	53.9	12.3	1.90	21.3
	08-26-02	--	--	--	13.2	--	--	--	--	--	--
SN 727	09-04-02	2	7.0	913	11.7	--	260	71.4	19.9	3.38	114
	09-04-02	--	--	--	11.7	--	--	--	--	--	--

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident-i-fier	Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB (MG/L CACO3) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
					FULTON COUNTY						
FU 272	09-04-02	238	238	35.2	.40	8.1	50.8	371	364	.28	.36
	09-04-02	237	238	35.6	.41	8.0	50.8	372	366	.28	.37
	09-04-02	--	--	--	--	--	--	--	--	--	--
	09-04-02	--	--	--	--	--	--	--	--	--	--
					HERKIMER COUNTY						
HE 621	09-11-02	256	252	102	E.10	7.4	39.0	505	478	<.04	E.06
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 622	09-11-02	244	237	115	E.07	7.3	39.9	517	491	<.04	<.10
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 623	09-11-02	298	282	169	<.10	9.6	31.6	668	629	<.04	E.06
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 624	09-16-02	165	--	6.78	E.10	9.1	11.5	195	201	<.04	<.10
	09-16-02	--	--	--	--	--	--	--	--	--	--
HE 625	09-16-02	173	--	5.04	E.09	7.3	10.6	193	197	<.04	<.10
	09-16-02	--	--	--	--	--	--	--	--	--	--
					MADISON COUNTY						
M 281	09-23-02	E281	E220	5.55	E.09	8.2	38.3	331	--	<.04	<.10
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
					MONTGOMERY COUNTY						
MT 406	09-09-02	290	289	108	.33	7.7	151	708	667	.43	.52
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 407	09-09-02	229	229	13.5	E.10	8.2	19.2	281	277	<.04	E.06
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 408	09-04-02	280	280	144	.45	14.6	26.9	555	549	1.05	1.1
	09-04-02	--	--	--	--	--	--	--	--	--	--
					ONEIDA COUNTY						
OE1458	09-18-02	E204	211	3.17	.15	11.6	19.4	249	243	.14	.18
	09-18-02	E210	215	3.19	.18	11.6	19.4	243	247	.15	.19
	09-18-02	--	--	--	--	--	--	--	--	--	--
	09-18-02	--	--	--	.18	--	--	--	--	--	--
OE1459	09-18-02	E148	E131	.67	<.10	9.4	11.8	189	--	<.04	<.10
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1460	09-23-02	E288	E233	105	<.10	6.0	48.4	545	--	<.04	<.10
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
OE1462	09-25-02	E202	E187	35.1	.15	12.9	58.2	342	--	.05	E.07
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
OE1463	09-25-02	E203	E127	4.59	.14	5.6	129	423	--	<.04	<.10
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
					SARATOGA COUNTY						
SA1501	08-28-02	196	198	26.5	.21	10.9	34.2	311	295	.32	.42
					SCHENECTADY COUNTY						
SN 5	08-26-02	--	--	--	--	--	--	--	--	--	--
	08-26-02	159	159	66.7	.11	6.2	21.8	314	302	<.04	E.07
SN 135	08-21-02	162	156	26.9	E.09	6.5	21.4	241	232	<.04	E.07
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 229	08-21-02	293	282	101	<.10	9.2	33.1	531	518	<.04	E.07
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 340	08-21-02	--	--	--	--	--	--	--	--	<.04	E.06
	08-21-02	168	162	26.7	E.09	8.1	23.4	263	243	--	--
SN 725	08-26-02	178	178	80.2	.14	8.4	35.5	376	361	<.04	E.07
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 726	08-26-02	160	160	35.9	<.10	7.3	28.5	264	259	<.04	E.07
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 727	09-04-02	324	322	41.2	.32	12.3	135	599	593	.59	.60
	09-04-02	--	--	--	--	--	--	--	--	--	--

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident-i-fier	Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)
					FULTON COUNTY						
FU 272	09-04-02	.36	<.05	<.008	.08	<.02	1.6	<2	<.9	<2	187
	09-04-02	.36	<.05	<.008	.09	<.02	2.0	<2	<.9	<2	178
	09-04-02	--	--	--	--	--	--	--	--	--	--
	09-04-02	--	--	--	--	--	--	--	--	--	--
					HERKIMER COUNTY						
HE 621	09-11-02	--	2.36	<.008	--	<.02	1.1	<2	<.9	<2	157
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 622	09-11-02	--	2.53	<.008	--	<.02	E.5	<2	<.9	E1	203
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 623	09-11-02	--	3.77	<.008	--	<.02	E.6	<2	<.9	<2	77
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 624	09-16-02	--	1.25	<.008	--	<.02	<.6	<2	<.9	<2	7
	09-16-02	--	--	--	--	--	--	--	--	--	--
HE 625	09-16-02	--	.40	<.008	--	<.02	E.5	<2	<.9	<2	18
	09-16-02	--	--	--	--	--	--	--	--	--	--
					MADISON COUNTY						
M 281	09-23-02	--	.08	E.004	--	<.02	1.0	<2	<.9	<2	59
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
					MONTGOMERY COUNTY						
MT 406	09-09-02	.55	<.05	<.008	.09	<.02	.8	<2	<.9	E1	114
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 407	09-09-02	--	.81	<.008	--	<.02	E.3	<2	<.9	<2	16
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 408	09-04-02	1.35	<.05	<.008	.09	<.02	3.3	<2	<.9	E2	526
	09-04-02	--	--	--	--	--	--	--	--	--	--
					ONEIDA COUNTY						
OE1458	09-18-02	.18	<.05	<.008	.04	<.02	.7	<2	<.9	<2	177
	09-18-02	.19	<.05	<.008	.05	<.02	1.5	<2	<.9	<2	174
	09-18-02	--	--	--	--	--	--	--	--	--	--
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1459	09-18-02	--	.70	<.008	--	<.02	1.0	<2	<.9	<2	15
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1460	09-23-02	--	2.00	<.008	--	<.02	2.6	<2	<.9	<2	95
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
OE1462	09-25-02	.06	<.05	<.008	--	<.02	<.6	<2	<.9	11	48
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
OE1463	09-25-02	--	1.83	<.008	--	<.02	<.6	<2	<.9	<2	87
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
					SARATOGA COUNTY						
SA1501	08-28-02	.42	<.05	<.008	.10	<.02	2.6	<2	<.9	<2	23
					SCHENECTADY COUNTY						
SN 5	08-26-02	--	--	--	--	--	--	--	--	--	--
	08-26-02	--	.77	<.008	--	<.02	1.2	7	<.9	<2	24
SN 135	08-21-02	--	.21	<.008	--	.03	2.0	<2	<.9	<2	21
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 229	08-21-02	--	5.21	<.008	--	<.02	E.6	<2	<.9	<2	44
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 340	08-21-02	--	.29	<.008	--	<.02	.8	--	--	--	--
	08-21-02	--	--	--	--	--	--	3	<.9	<2	33
SN 725	08-26-02	--	1.05	<.008	--	<.02	1.3	3	<.9	<2	38
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 726	08-26-02	--	.38	.039	--	<.02	1.0	3	<.9	<2	23
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 727	09-04-02	.76	<.05	<.008	.01	<.02	6.2	<2	<.9	2	21
	09-04-02	--	--	--	--	--	--	--	--	--	--

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident-i-fier	Date	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)
					FULTON COUNTY						
FU 272	09-04-02	<.06	60	E.03	<.8	<1	34.3	522	570	<1	9.6
	09-04-02	<.06	60	<.04	<.8	<1	31.8	779	530	<1	10.4
	09-04-02	--	--	--	--	--	--	--	--	--	--
	09-04-02	--	--	--	--	--	--	--	--	--	--
					HERKIMER COUNTY						
HE 621	09-11-02	<.06	40	<.04	<.8	<1	2.0	<10	<10	<1	16.5
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 622	09-11-02	<.06	30	<.04	<.8	<1	2.3	<10	50	<1	6.2
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 623	09-11-02	<.06	40	<.04	<.8	<1	1.5	<10	<10	<1	4.4
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 624	09-16-02	<.06	M	<.04	<.8	<1	2.5	<10	<10	<1	1.9
	09-16-02	--	--	--	--	--	--	--	--	--	--
HE 625	09-16-02	<.06	M	<.04	<.8	<1	1.9	<10	<10	<1	1.4
	09-16-02	--	--	--	--	--	--	--	--	--	--
					MADISON COUNTY						
M 281	09-23-02	<.06	20	<.04	<.8	<1	1.0	<10	20	<1	11.9
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
					MONTGOMERY COUNTY						
MT 406	09-09-02	<.06	180	<.04	<.8	<1	1.6	169	240	<1	18.4
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 407	09-09-02	<.06	10	<.04	<.8	<1	2.1	<10	<10	<1	.8
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 408	09-04-02	<.06	100	E.02	<.8	<1	.7	251	1800	<1	45.8
	09-04-02	--	--	--	--	--	--	--	--	--	--
					ONEIDA COUNTY						
OE1458	09-18-02	<.06	40	<.04	<.8	<1	E.5	24	90	<1	12.0
	09-18-02	<.06	40	<.04	<.8	<1	11.4	40	90	<1	12.1
	09-18-02	--	--	--	--	--	--	--	--	--	--
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1459	09-18-02	<.06	<10	<.04	<.8	<1	E.5	<10	<10	<1	3.1
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1460	09-23-02	<.06	30	<.04	<.8	<1	3.5	<10	<10	<1	9.7
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
OE1462	09-25-02	<.06	20	.05	<.8	<1	1.7	<10	80	<1	9.9
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
OE1463	09-25-02	<.06	20	<.04	<.8	<1	2.2	<10	<10	<1	5.3
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
					SARATOGA COUNTY						
SA1501	08-28-02	<.06	30	.04	<.8	<1	2.8	<10	M	<1	4.0
					SCHENECTADY COUNTY						
SN 5	08-26-02	--	--	--	--	--	--	--	--	--	--
	08-26-02	<.06	30	.09	<.8	<1	1.3	<10	<10	<1	1.3
SN 135	08-21-02	<.06	20	E.02	<.8	<1	1.9	<10	<10	<1	2.8
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 229	08-21-02	<.06	50	<.04	E.5	<1	2.3	<10	<10	<1	2.5
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 340	08-21-02	--	--	--	--	--	--	--	--	--	--
	08-21-02	<.06	20	<.04	<.8	<1	4.1	<10	<10	<1	3.6
SN 725	08-26-02	<.06	30	E.03	<.8	<1	1.4	<10	<10	<1	6.9
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 726	08-26-02	<.06	40	<.04	<.8	<1	.8	<10	<10	<1	2.5
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 727	09-04-02	<.06	340	<.04	<.8	<1	2.0	81	60	<1	105
	09-04-02	--	--	--	--	--	--	--	--	--	--

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident-i-fier	Date	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	THAL-LIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
					FULTON COUNTY						
FU 272	09-04-02	17.3	17	<.01	1.2	17	E.3	<.05	1240	<.9	19
	09-04-02	17.6	16	--	1.2	16	E.2	<.05	1190	<.9	12
	09-04-02	--	--	--	--	--	--	--	--	--	--
	09-04-02	--	--	--	--	--	--	--	--	--	--
					HERKIMER COUNTY						
HE 621	09-11-02	E.9	<1	<.01	E.2	4	1.0	<.05	720	<.9	3
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 622	09-11-02	<2.0	<2.4	<.01	<.2	4	.9	<.05	616	<.9	3
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 623	09-11-02	<2.0	<1	<.01	<.2	7	1.9	<.05	419	<.9	2
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 624	09-16-02	<2.0	<1	<.01	.5	3	E.2	<.05	157	<.9	2
	09-16-02	--	--	--	--	--	--	--	--	--	--
HE 625	09-16-02	<2.0	<1	<.01	.3	3	<.4	<.05	170	<.9	2
	09-16-02	--	--	--	--	--	--	--	--	--	--
					MADISON COUNTY						
M 281	09-23-02	9.6	8.9	<.01	1.2	3	E.2	<.05	1020	<.9	3
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
					MONTGOMERY COUNTY						
MT 406	09-09-02	27.6	27.6	.02	2.4	6	E.2	<.05	2420	<.9	2
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 407	09-09-02	<2.0	<2.4	<.01	.2	3	.5	<.05	166	<.9	3
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 408	09-04-02	194	193	<.01	6.3	6	.6	<.05	2370	<.9	5
	09-04-02	--	--	--	--	--	--	--	--	--	--
					ONEIDA COUNTY						
OE1458	09-18-02	23.5	23	<.01	1.5	3	<.4	<.05	610	<.9	3
	09-18-02	23.5	22	<.01	1.5	3	<.4	<.05	605	<.9	10
	09-18-02	--	--	--	--	--	--	--	--	--	--
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1459	09-18-02	<2.0	<1	<.01	.3	3	E.2	<.05	97.4	<.9	<1
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1460	09-23-02	<2.0	<2.4	.03	<.2	4	E.2	<.05	407	<.9	4
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
OE1462	09-25-02	42.0	40.7	<.01	1.0	3	<.4	<.05	1270	<.9	40
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
OE1463	09-25-02	<2.0	<2.4	<.01	.3	4	<.4	<.05	4650	<.9	3
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
					SARATOGA COUNTY						
SA1501	08-28-02	1930	1910	<.01	1.1	2	<.4	<.05	233	<.9	4
					SCHENECTADY COUNTY						
SN 5	08-26-02	--	--	--	--	--	--	--	--	--	--
	08-26-02	<2.0	<2.4	<.01	E.1	<1	<.4	<.05	196	<.9	1
SN 135	08-21-02	E1.2	19.6	<.01	.3	<1	E.3	<.05	278	<.9	3
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 229	08-21-02	<2.0	<1	4.82	E.1	1	.6	<.05	289	<.9	2
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 340	08-21-02	--	--	--	--	--	--	--	--	--	--
	08-21-02	<2.0	<2.4	<.01	.4	<1	E.3	<.05	254	<.9	2
SN 725	08-26-02	15.5	15.3	<.01	.2	1	E.2	<.05	270	<.9	7
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 726	08-26-02	<2.0	<2.4	<.01	.3	<1	<.4	<.05	221	<.9	3
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 727	09-04-02	258	266	<.01	2.2	5	.4	<.05	2350	<.9	7
	09-04-02	--	--	--	--	--	--	--	--	--	--

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident-i-fier	Date	PHENOLS TOTAL (UG/L) (32730)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)
					FULTON COUNTY						
FU 272	09-04-02	<16	<.2	<.2	<.2	<.4	<.2	<.2	<.2	<.2	<.2
	09-04-02	<16	<.2	<.2	<.2	<.4	<.2	<.2	<.2	<.2	<.2
	09-04-02	--	--	--	--	--	--	--	--	--	--
	09-04-02	--	--	--	--	--	--	--	--	--	--
					HERKIMER COUNTY						
HE 621	09-11-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 622	09-11-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 623	09-11-02	<16	.2	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 624	09-16-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-16-02	--	--	--	--	--	--	--	--	--	--
HE 625	09-16-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-16-02	--	--	--	--	--	--	--	--	--	--
					MADISON COUNTY						
M 281	09-23-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
					MONTGOMERY COUNTY						
MT 406	09-09-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 407	09-09-02	--	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 408	09-04-02	<16	<.2	<.2	<.2	<.4	<.2	<.2	<.2	<.2	<.2
	09-04-02	--	--	--	--	--	--	--	--	--	--
					ONEIDA COUNTY						
OE1458	09-18-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-18-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-18-02	--	--	--	--	--	--	--	--	--	--
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1459	09-18-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1460	09-23-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
OE1462	09-25-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
OE1463	09-25-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
					SARATOGA COUNTY						
SA1501	08-28-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
					SCHENECTADY COUNTY						
SN 5	08-26-02	--	--	--	--	--	--	--	--	--	--
	08-26-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
SN 135	08-21-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 229	08-21-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 340	08-21-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 725	08-26-02	--	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 726	08-26-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 727	09-04-02	<16	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1
	09-04-02	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident-i-fier	Date	BENZENE TOTAL (UG/L) (34030)	BROMO-FORM TOTAL (UG/L) (32104)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2 -DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)
					FULTON COUNTY						
FU 272	09-04-02	<.2	<.4	<.4	<.2	<.4	<.2	<.2	<.2	<.4	<.4
	09-04-02	<.2	<.4	<.4	<.2	<.4	<.2	<.2	<.2	<.4	<.4
	09-04-02	--	--	--	--	--	--	--	--	--	--
	09-04-02	--	--	--	--	--	--	--	--	--	--
					HERKIMER COUNTY						
HE 621	09-11-02	<.1	<.2	<.2	<.1	<.2	.5	<.1	<.1	<.2	<.2
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 622	09-11-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 623	09-11-02	<.1	<.2	<.2	<.1	<.2	2.3	<.1	<.1	<.2	<.2
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 624	09-16-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-16-02	--	--	--	--	--	--	--	--	--	--
HE 625	09-16-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-16-02	--	--	--	--	--	--	--	--	--	--
					MADISON COUNTY						
M 281	09-23-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
					MONTGOMERY COUNTY						
MT 406	09-09-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 407	09-09-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 408	09-04-02	<.2	<.4	<.4	<.2	<.4	<.2	<.2	<.2	<.4	<.4
	09-04-02	--	--	--	--	--	--	--	--	--	--
					ONEIDA COUNTY						
OE1458	09-18-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-18-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-18-02	--	--	--	--	--	--	--	--	--	--
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1459	09-18-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1460	09-23-02	<.1	.3	<.2	<.1	.3	.8	<.1	.2	<.2	<.2
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
OE1462	09-25-02	<.1	<.2	<.2	<.1	<.2	1.3	<.1	<.1	<.2	<.2
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
OE1463	09-25-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
					SARATOGA COUNTY						
SA1501	08-28-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
					SCHENECTADY COUNTY						
SN 5	08-26-02	--	--	--	--	--	--	--	--	--	--
	08-26-02	<.1	<.2	<.2	<.1	<.2	.3	<.1	<.1	<.2	<.2
SN 135	08-21-02	<.1	<.2	<.2	<.1	<.2	.1	<.1	<.1	<.2	<.2
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 229	08-21-02	<.1	<.2	<.2	<.1	<.2	.1	<.1	<.1	<.2	<.2
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 340	08-21-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 725	08-26-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 726	08-26-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 727	09-04-02	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
	09-04-02	--	--	--	--	--	--	--	--	--	--

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident-i-fier	Date	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	META/ PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)
					FULTON COUNTY						
FU 272	09-04-02	<.4	<.2	<.4	<.2	<.2	<.4	<.4	<.4	<.2	<.2
	09-04-02	<.4	<.2	<.4	<.2	<.2	<.4	<.4	<.4	<.2	<.2
	09-04-02	--	--	--	--	--	--	--	--	--	--
	09-04-02	--	--	--	--	--	--	--	--	--	--
					HERKIMER COUNTY						
HE 621	09-11-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 622	09-11-02	<.2	<.1	<.2	<.1	<.1	.2	<.2	<.2	<.1	<.1
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 623	09-11-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-11-02	--	--	--	--	--	--	--	--	--	--
HE 624	09-16-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-16-02	--	--	--	--	--	--	--	--	--	--
HE 625	09-16-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-16-02	--	--	--	--	--	--	--	--	--	--
					MADISON COUNTY						
M 281	09-23-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
					MONTGOMERY COUNTY						
MT 406	09-09-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 407	09-09-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-09-02	--	--	--	--	--	--	--	--	--	--
MT 408	09-04-02	<.4	<.2	<.4	<.2	<.2	<.4	<.4	<.4	<.2	<.2
	09-04-02	--	--	--	--	--	--	--	--	--	--
					ONEIDA COUNTY						
OE1458	09-18-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-18-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-18-02	--	--	--	--	--	--	--	--	--	--
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1459	09-18-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-18-02	--	--	--	--	--	--	--	--	--	--
OE1460	09-23-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	--	--	--	--	--
OE1462	09-25-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
OE1463	09-25-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
					SARATOGA COUNTY						
SA1501	08-28-02	<.2	<.1	<.2	<.1	<.1	E.1	<.2	<.2	<.1	<.1
					SCHENECTADY COUNTY						
SN 5	08-26-02	--	--	--	--	--	--	--	--	--	--
	08-26-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
SN 135	08-21-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 229	08-21-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 340	08-21-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	08-21-02	--	--	--	--	--	--	--	--	--	--
SN 725	08-26-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 726	08-26-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	08-26-02	--	--	--	--	--	--	--	--	--	--
SN 727	09-04-02	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.1	<.1
	09-04-02	--	--	--	--	--	--	--	--	--	--

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident-i-fier	Date	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE TOTAL (UG/L) (34010)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	RADON 222 TOTAL (PCI/L) (82303)	TRITIUM TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)	URANIUM NATURAL TOTAL (UG/L AS U) (28011)
					FULTON COUNTY						
FU 272	09-04-02	<.2	<.2	<.2	<.4	<.4	--	--	31	2.6	1.72
	09-04-02	<.2	<.2	<.2	<.4	<.4	--	--	34	2.6	1.71
	09-04-02	--	--	--	--	--	17	60	--	--	--
	09-04-02	--	--	--	--	--	17	50	--	--	--
					HERKIMER COUNTY						
HE 621	09-11-02	1.9	<.1	.1	<.2	<.2	--	--	37	2.6	.190
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	25	550	--	--	--
HE 622	09-11-02	<.1	<.1	<.1	<.2	<.2	--	--	37	2.6	.221
	09-11-02	--	--	--	--	--	--	--	--	--	--
	09-11-02	--	--	--	--	--	24	490	--	--	--
HE 623	09-11-02	<.1	<.1	<.1	<.2	<.2	--	--	37	2.6	.288
	09-11-02	--	--	--	--	--	25	580	--	--	--
HE 624	09-16-02	<.1	<.1	<.1	<.2	<.2	--	--	36	2.6	.389
	09-16-02	--	--	--	--	--	25	420	--	--	--
HE 625	09-16-02	<.1	<.1	<.1	<.2	<.2	--	--	40	2.6	.196
	09-16-02	--	--	--	--	--	25	440	--	--	--
					MADISON COUNTY						
M 281	09-23-02	<.1	<.1	<.1	<.2	<.2	--	--	44	2.6	1.53
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	19	210	--	--	--
					MONTGOMERY COUNTY						
MT 406	09-09-02	<.1	<.1	<.1	<.2	<.2	--	--	32	2.6	1.95
	09-09-02	--	--	--	--	--	19	170	--	--	--
MT 407	09-09-02	<.1	<.1	<.1	<.2	<.2	--	--	38	2.6	.320
	09-09-02	--	--	--	--	--	22	310	--	--	--
MT 408	09-04-02	<.2	<.2	<.2	<.4	<.4	--	--	38	2.6	.356
	09-04-02	--	--	--	--	--	17	60	--	--	--
					ONEIDA COUNTY						
OE1458	09-18-02	<.1	<.1	<.1	<.2	<.2	17	70	39	2.6	.116
	09-18-02	<.1	<.1	<.1	<.2	<.2	--	--	41	2.6	.116
	09-18-02	--	--	--	--	--	18	110	--	--	--
	09-18-02	--	--	--	--	--	17	70	--	--	--
OE1459	09-18-02	<.1	<.1	<.1	<.2	<.2	--	--	38	2.6	.384
	09-18-02	--	--	--	--	--	30	770	--	--	--
OE1460	09-23-02	.3	<.1	<.1	<.2	<.2	--	--	47	3.2	.149
	09-23-02	--	--	--	--	--	--	--	--	--	--
	09-23-02	--	--	--	--	--	26	590	--	--	--
OE1462	09-25-02	<.1	<.1	<.1	<.2	<.2	--	--	42	2.6	.506
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	17	100	--	--	--
OE1463	09-25-02	<.1	<.1	<.1	<.2	<.2	--	--	40	2.6	.380
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	--	--	--	--	--
	09-25-02	--	--	--	--	--	26	550	--	--	--
					SARATOGA COUNTY						
SA1501	08-28-02	<.1	<.1	<.1	<.2	<.2	29	530	40	2.6	.284
					SCHENECTADY COUNTY						
SN 5	08-26-02	--	--	--	--	--	22	350	--	--	--
	08-26-02	<.1	<.1	<.1	<.2	<.2	--	--	34	2.6	.115
SN 135	08-21-02	<.1	<.1	.1	<.2	<.2	--	--	43	3.2	.241
	08-21-02	--	--	--	--	--	25	450	--	--	--
SN 229	08-21-02	<.1	<.1	<.1	<.2	<.2	--	--	29	2.6	.213
	08-21-02	--	--	--	--	--	25	400	--	--	--
SN 340	08-21-02	<.1	.2	1.0	<.2	<.2	--	--	38	2.6	--
	08-21-02	--	--	--	--	--	27	500	--	--	.236
SN 725	08-26-02	<.1	<.1	<.1	<.2	<.2	--	--	48	3.2	.258
	08-26-02	--	--	--	--	--	23	420	--	--	--
SN 726	08-26-02	<.1	.2	<.1	<.2	<.2	--	--	42	3.2	.199
	08-26-02	--	--	--	--	--	24	390	--	--	--
SN 727	09-04-02	<.1	<.1	<.1	<.2	<.2	--	--	6	1.6	.069
	09-04-02	--	--	--	--	--	19	100	--	--	--

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010 and LCAA

Local ident-i-fier	Station number	Date	Time	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	ALA-CHLOR ESA WAT FLT GF 0.7U REC (UG/L) (50009)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)
			FULTON COUNTY							
FU 272	425916074175101	09-04-02	1015	<.006	.05	<.05	<.006	<.05	<.05	<.004
		09-04-02	1030	<.006	<.05	<.05	<.006	<.05	<.05	<.004
			HERKIMER COUNTY							
HE 621	430212075034901	09-11-02	0950	<.006	<.05	<.05	<.006	<.05	<.05	<.004
HE 622	430047075003001	09-11-02	1120	<.006	<.05	<.05	<.006	<.05	<.05	<.004
HE 623	430107074591301	09-11-02	1300	<.006	<.05	<.05	<.006	<.05	<.05	<.004
HE 624	431353075041801	09-16-02	1030	<.006	<.05	<.05	<.006	<.05	<.05	<.004
HE 625	430848074581301	09-16-02	1245	<.006	<.05	<.05	<.006	<.05	<.05	<.004
			MADISON COUNTY							
M 281	425553075283601	09-23-02	1250	<.006	<.05	<.05	<.006	<.05	<.05	<.004
			MONTGOMERY COUNTY							
MT 406	425550074330701	09-09-02	0900	<.006	<.05	<.05	<.006	<.05	.12	<.004
MT 407	425957074412101	09-09-02	1030	<.006	<.05	<.05	<.006	<.05	<.05	<.004
MT 408	425647074221001	09-04-02	1200	<.006	<.05	<.05	<.006	<.05	<.05	<.004
			ONEIDA COUNTY							
OE1458	432004075105101	09-18-02	1230	<.006	<.05	<.05	<.006	<.05	<.05	<.004
		09-18-02	1300	<.006	<.05	<.05	<.006	<.05	<.05	<.004
OE1459	431832075083501	09-18-02	1500	<.006	<.05	<.05	<.006	<.05	<.05	<.004
OE1460	430655075240001	09-23-02	1030	<.006	<.05	<.05	<.006	<.05	<.05	<.004
OE1462	425747075144501	09-25-02	1100	<.006	<.05	<.05	<.006	<.05	<.05	<.004
			SARATOGA COUNTY							
SA1501	424713073473601	08-28-02	1000	<.006	<.05	<.05	<.006	<.05	<.05	<.004
			SCHENECTADY COUNTY							
SN 5	425052073585102	08-26-02	1130	<.006	<.05	<.05	<.006	<.05	<.05	<.004
SN 135	424909073591601	08-21-02	0900	<.006	<.05	<.05	<.006	<.05	<.05	<.004
SN 229	425211074021605	08-21-02	1230	<.006	<.05	<.05	<.006	<.05	<.05	<.004
SN 340	424918073591001	08-21-02	1005	<.006	<.05	<.05	<.006	<.05	<.05	<.004
SN 725	424748073503401	08-26-02	0930	<.006	<.05	<.05	<.006	<.05	<.05	<.004
SN 726	425111074010501	08-26-02	1245	<.006	<.05	<.05	<.006	<.05	<.05	<.004
SN 727	424836074005501	09-04-02	1400	<.006	<.05	<.05	<.006	<.05	<.05	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010 and LCAA--Continued

Local ident-i-fier	Date	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)
					FULTON COUNTY						
FU 272	09-04-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
	09-04-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
					HERKIMER COUNTY						
HE 621	09-11-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.004
HE 622	09-11-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
HE 623	09-11-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.006
HE 624	09-16-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
HE 625	09-16-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
					MADISON COUNTY						
M 281	09-23-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
					MONTGOMERY COUNTY						
MT 406	09-09-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
MT 407	09-09-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
MT 408	09-04-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
					ONEIDA COUNTY						
OE1458	09-18-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
	09-18-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
OE1459	09-18-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
OE1460	09-23-02	<.005	.022	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.040
OE1462	09-25-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
					SARATOGA COUNTY						
SA1501	08-28-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
					SCHENECTADY COUNTY						
SN 5	08-26-02	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.005
SN 135	08-21-02	<.005	.017	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.007
SN 229	08-21-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.001
SN 340	08-21-02	<.005	.015	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.008
SN 725	08-26-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
SN 726	08-26-02	<.005	.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.004
SN 727	09-04-02	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010 and LCAA--Continued

Local ident-i-fier	Date	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DIMETH-ENAMID OA, WATER FLT, REC (UG/L) (62482)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUFEN-ACET, ESA, WAT FLT (UG/L) (61952)	FLUFE-NACET OA, WATER FLT, REC (UG/L) (62483)
					FULTON COUNTY						
FU 272	09-04-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
	09-04-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
					HERKIMER COUNTY						
HE 621	09-11-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
HE 622	09-11-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
HE 623	09-11-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
HE 624	09-16-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
HE 625	09-16-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
					MADISON COUNTY						
M 281	09-23-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
					MONTGOMERY COUNTY						
MT 406	09-09-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
MT 407	09-09-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
MT 408	09-04-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
					ONEIDA COUNTY						
OE1458	09-18-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
	09-18-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
OE1459	09-18-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
OE1460	09-23-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
OE1462	09-25-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
					SARATOGA COUNTY						
SA1501	08-28-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
					SCHENECTADY COUNTY						
SN 5	08-26-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
SN 135	08-21-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
SN 229	08-21-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
SN 340	08-21-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
SN 725	08-26-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
SN 726	08-26-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05
SN 727	09-04-02	<.005	<.005	<.05	<.05	<.02	<.002	<.009	<.005	<.05	<.05

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010 and LCAA--Continued

Local ident-i-fier	Date	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
					FULTON COUNTY						
FU 272	09-04-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
	09-04-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
					HERKIMER COUNTY						
HE 621	09-11-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
HE 622	09-11-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
HE 623	09-11-02	<.003	<.004	<.035	<.027	<.050	<.006	.08	.10	<.013	<.006
HE 624	09-16-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
HE 625	09-16-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
					MADISON COUNTY						
M 281	09-23-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
					MONTGOMERY COUNTY						
MT 406	09-09-02	<.003	<.004	<.035	<.027	<.050	<.006	.93	.92	<.013	<.006
MT 407	09-09-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
MT 408	09-04-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
					ONEIDA COUNTY						
OE1458	09-18-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
	09-18-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
OE1459	09-18-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
OE1460	09-23-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
OE1462	09-25-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
					SARATOGA COUNTY						
SA1501	08-28-02	<.003	<.004	<.035	<.027	<.050	<.006	.05	<.05	<.013	<.006
					SCHENECTADY COUNTY						
SN 5	08-26-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
SN 135	08-21-02	<.003	<.004	<.035	<.027	<.050	<.006	.10	<.05	E.004	<.006
SN 229	08-21-02	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	<.013	<.006
SN 340	08-21-02	<.003	<.004	<.035	<.027	<.050	<.006	.09	<.05	E.004	<.006
SN 725	08-26-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
SN 726	08-26-02	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	E.004	<.006
SN 727	09-04-02	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010 and LCAA--Continued

Local ident-i-fier	Date	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
					FULTON COUNTY						
FU 272	09-04-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
	09-04-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
					HERKIMER COUNTY						
HE 621	09-11-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
HE 622	09-11-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
HE 623	09-11-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
HE 624	09-16-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
HE 625	09-16-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
					MADISON COUNTY						
M 281	09-23-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
					MONTGOMERY COUNTY						
MT 406	09-09-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
MT 407	09-09-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
MT 408	09-04-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
					ONEIDA COUNTY						
OE1458	09-18-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
	09-18-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
OE1459	09-18-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
OE1460	09-23-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
OE1462	09-25-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
					SARATOGA COUNTY						
SA1501	08-28-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
					SCHENECTADY COUNTY						
SN 5	08-26-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
SN 135	08-21-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004
SN 229	08-21-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
SN 340	08-21-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004
SN 725	08-26-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
SN 726	08-26-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
SN 727	09-04-02	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2010 and LCAA--Continued

Local ident-i-fier	Date	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
FULTON COUNTY											
FU 272	09-04-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
	09-04-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
HERKIMER COUNTY											
HE 621	09-11-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
HE 622	09-11-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
HE 623	09-11-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
HE 624	09-16-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
HE 625	09-16-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MADISON COUNTY											
M 281	09-23-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MONTGOMERY COUNTY											
MT 406	09-09-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MT 407	09-09-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
MT 408	09-04-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
ONEIDA COUNTY											
OE1458	09-18-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
	09-18-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
OE1459	09-18-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
OE1460	09-23-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
OE1462	09-25-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
SARATOGA COUNTY											
SA1501	08-28-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
SCHENECTADY COUNTY											
SN 5	08-26-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
SN 135	08-21-02	<.010	<.011	<.02	E.003	<.02	<.034	<.02	<.005	<.002	<.009
SN 229	08-21-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
SN 340	08-21-02	<.010	<.011	<.02	E.003	<.02	<.034	<.02	<.005	<.002	<.009
SN 725	08-26-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
SN 726	08-26-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009
SN 727	09-04-02	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009

METHOD SH2060

Local ident-i-fier	Station number	Date	Time	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)
HERKIMER COUNTY										
HE 621	430212075034901	09-11-02	0955	<.009	<.02	<.02	<.006	<2	<.007	<.02
HE 622	430047075003001	09-11-02	1125	<.009	<.02	<.02	<.006	<2	<.007	<.02
MADISON COUNTY										
M 281	425553075283601	09-23-02	1255	<.009	<.02	<.02	<.006	<2	<.007	<.02
ONEIDA COUNTY										
OE1460	430655075240001	09-23-02	1035	<.009	<.02	<.02	<.006	<2	<.007	<.02
OE1462	425747075144501	09-25-02	1105	<.009	<.02	<.02	<.006	<2	<.007	<.02
OE1463	425824075140101	09-25-02	1240	<.009	<.02	<.02	<.006	<2	<.007	<.02
		*09-25-02	1241	<.009	<.02	<.02	<.006	<2	<.007	<.02

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Local ident-i-fier	Date	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)
					HERKIMER COUNTY						
HE 621	09-11-02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03	<.02	<.010
HE 622	09-11-02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03	<.02	<.010
					MADISON COUNTY						
M 281	09-23-02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03	<.02	<.010
					ONEIDA COUNTY						
OE1460	09-23-02	<.008	<.04	.015	<.03	<.004	<.02	<.01	<.03	<.02	<.010
OE1462	09-25-02	<.008	<.04	<.009	<.03	<.004	<.02	<.01	<.03	<.02	<.010
OE1463	09-25-02	<.008	<.04	.012	<.03	<.004	<.02	<.01	<.03	<.02	<.010
	09-25-02	<.008	<.04	.011	<.03	<.004	<.02	<.01	<.03	<.02	<.010

Local ident-i-fier	Date	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)
					HERKIMER COUNTY						
HE 621	09-11-02	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03	<.01
HE 622	09-11-02	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03	<.01
					MADISON COUNTY						
M 281	09-23-02	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03	<.01
					ONEIDA COUNTY						
OE1460	09-23-02	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	E.03	E.02
OE1462	09-25-02	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	<.03	<.01
OE1463	09-25-02	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	E.02	<.01
	09-25-02	<.03	<.006	<.02	<.010	<.04	<.01	<.01	<.01	E.02	<.01

Local ident-i-fier	Date	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)
					HERKIMER COUNTY						
HE 621	09-11-02	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
HE 622	09-11-02	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
					MADISON COUNTY						
M 281	09-23-02	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
					ONEIDA COUNTY						
OE1460	09-23-02	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
OE1462	09-25-02	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
OE1463	09-25-02	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008
	09-25-02	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.008

Aquifers within the Mohawk River Basin--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

METHOD SH2060--Continued

Local ident-i-fier	Date	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)
HERKIMER COUNTY											
HE 621	09-11-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
HE 622	09-11-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
MADISON COUNTY											
M 281	09-23-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
ONEIDA COUNTY											
OE1460	09-23-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
OE1462	09-25-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
OE1463	09-25-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
	09-25-02	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03

Local ident-i-fier	Date	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)
HERKIMER COUNTY											
HE 621	09-11-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
HE 622	09-11-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
MADISON COUNTY											
M 281	09-23-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
ONEIDA COUNTY											
OE1460	09-23-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
OE1462	09-25-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
OE1463	09-25-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
	09-25-02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02

Local ident-i-fier	Date	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
HERKIMER COUNTY						
HE 621	09-11-02	<.009	<.006	<.010	<.02	<.02
HE 622	09-11-02	<.009	<.006	<.010	<.02	<.02
MADISON COUNTY						
M 281	09-23-02	<.009	<.006	<.010	<.02	<.02
ONEIDA COUNTY						
OE1460	09-23-02	<.009	<.0002	<.010	<.02	<.02
OE1462	09-25-02	<.009	<.006	<.010	<.02	<.02
OE1463	09-25-02	<.009	<.006	<.010	<.02	<.02
	09-25-02	<.009	<.006	<.010	<.02	<.02