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Water Resources Data New York Water Year 2003

Volume 1. Eastern New York Excluding Long Island

By G.K. Butch, P.M. Murray, R. Lumia, M.D. Corse

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Prepared in cooperation with the
State of New York and with other agencies

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PREFACE

This volume of the annual hydrologic data report of New York is one of a series of annual reports that document hydrologic data gathered from the U. S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and water quality provide the hydrologic information needed by state, local, and federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for New York are contained in three volumes:

Volume l. Eastern New York excluding Long Island
Volume 2. Long Island
Volume 3. Western New York

In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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Water resources data for the 2003 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and ground-water levels. This volume contains records for water discharge at 150 gaging stations; stage only at 8 gaging stations; stage and contents at 4 gaging stations, and 18 other lakes and reservoirs; water quality at 29 gaging stations; and water levels at 21 observation wells. Also included are data for 31 crest-stage partial-record stations. Locations of all these sites are shown on figure 8. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements and analyses. These data together with the data in volumes 2 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Municipal, and Federal agencies in New York.

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SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

[Letter after station name designates type of data: (d) discharge, (e) elevation, (g) gage height, (v) contents, (c) chemical, (b) biological, (s) sediment, (m) minor element, (p) pesticide, (n) nutrient, (o) organic, (r) radiochemical, (t) water temperature]

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Kayaderosseras Creek:		
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The following continuous-record surface-water discharge or stage-only stations (gaging stations) in eastern New York excluding Long Island have been discontinued. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) after the station number are currently operated as a crest-stage partial-record station and those with a double asterisk (**) after the station name had revisions published after the site was discontinued.

[Letters after station name designate type of data collected: (d) discharge, (e) elevation, (g) gage height]

Station name	Station number	Drainage area (mi^2)	Period of record
Housatonic River Basin			
Tenmile River near Wassaic, NY (d)	01199420	120	1959-61
Swamp River near Dover Plains, NY (d)	01199490	46.6	1961-68
Tenmile River at Dover Plains, NY (d)	01199500	189	1901-04
Blind Brook Basin			
Blind Brook at Rye, NY (d)	01300000	8.86	1944-89
Beaver Swamp Brook Basin			
Beaver Swamp Brook at Mamaroneck, NY (d)	01300500	4.42	1944-89
Mamaroneck River Basin			
Mamaroneck River at Mamaroneck, NY (d)	01301000	23.1	1944-89
Hutchinson River Basin			
Hutchinson River at Pelham, NY (d)	01301500	6.04	1944-89
Bronx River Basin			
Bronx River at Bronxville, NY (d)	01302000	29.9	1944-89
Hudson River Basin			
Opalescent River near Tahawus, NY (d)	01311900	9.02	1921-23
Arbutus Pond Outlet near Newcomb, NY (d)	01311992*	1.22	1991-92
Cedar River near Indian Lake, NY (d)	01313000	85.3	1911-18
Cedar River below Chain Lakes near Indian Lake, NY (d)	01313500	160	1931-61
Hudson River at Gooley near Indian Lake, NY (d)	01314000	419	1916-68
North Creek at North Creek, NY (d)	01316000	21.9	1924-32
Schroon River at Riverbank, NY (d)	01317000*	527	1907-70
Schroon River at Warrensburg, NY (d)	01317500	567	1899-1902
Hudson River at Thurman, NY (d)	01318000	1,533	1907-20
East Branch Sacandaga River at Griffin, NY (d)	01319000	114	1933-78
Sacandaga River at Wells, NY (d)	01319500	260	1907-11
West Branch Sacandaga River near Wells, NY (d)	01320500	210	1911-16
West Stony Creek near Northville, NY (d)	01321500	88.0	1933-37
East Stony Creek near Northville, NY (d)	01322000	88.7	1933-37
Sacandaga River at Northville, NY (d)	01322500	712	1907-11
Kennyetto Creek near Broadalbin, NY (d)	01323000	28.3	1939-46
Hudson River at Corinth, NY (d)	01325420	2,755	1904-13
Hudson River at Spier Falls, NY (d)	01326500	2,779	1913-23
Glens Falls Feeder at Glens Falls, NY (d)	01327000		1927-64
Glens Falls Feeder at Dunham Basin, NY (d)	01327500		1945-80
Bond Creek at Dunham Basin, NY (d)	01328000	14.1	1947-82
Kayaderosseras Creek near West Milton, NY (d)	01330500	84.2	1927-95
Little Hoosic River at Petersburg, NY (d)	01333500*	56.1	1952-96
Hoosic River at Buskirk, NY (d)	01335000	577	1903-09
Hudson River at Mechanicville, NY (d)	01335500	4,500	1896-1956
Oriskany Creek at Colemans Mills, NY (g)	01337995	134	1904-06
Oriskany Creek near Oriskany, NY (d)	01338000	139	1901-05
Oriskany Creek at State Dam at Oriskany, NY (d)	01338500	140	1899-1901 1904-05
Sauquoit Creek at New York Mills, NY (d)	01339000	46.6	1898-1900
Mohawk River at Utica, NY (d)	01340000	514	1901-03
Reall Creek near Utica, NY (d)	01340500	5.68	1901-05
Johnston Brook near Utica, NY (d)	01341000	0.62	1903-05
Sylvan Glen Creek near New Hartford, NY (d)	01341500	1.10	1904-07
Graefenberg Creek near New Hartford, NY (d)	01342000	0.35	1903-07
Starch Factory Creek near New Hartford, NY (d)	01342500	3.66	1903-07
Steele Creek at Ilion, NY (d)	01342730	26.2	1967-68
West Canada Creek at Nobleboro, NY (d)	01342800	193	1967-68
West Canada Creek near Hinckley, NY (d)	01343500	360	1900-10

Station name	Station number	Drainage area (mi^2)	Period of record
Hudson River Basin--continued			
West Canada Creek at Hinckley, NY (d)	01344000	375	1919-59
Ninemile Feeder near Holland Patent, NY (d)	01344500		1919-68
West Canada Creek at Poland, NY (d)	01345000	463	1913-14
West Canada Creek at Middleville, NY (d)	01345500	512	1899-1901
Mohawk River at Little Falls, NY (d)	01346500	1,290	1898-1910
			1912-13
East Canada Creek at Dolgeville, NY (d)	01347500	258	1898-1913
			1928-46
East Canada Creek at East Creek, NY (d)	01348000	289	1946-95
Otsquago Creek at Fort Plain, NY (d)	01349000	61.0	1950-89
Cayadutta Creek near Johnstown, NY (d)	01349500	38.4	1899-1900
Silver Lake Outlet at Hensonville, NY (d)	01349858	6.66	1976-77
Batavia Kill near Ashland, NY (d)	01349900*	51.2	1992-2001
West Kill at North Blenheim, NY (d)	01350200	44.6	1975-87
Schoharie Creek at Middleburg, NY (d)	01350500	532	1927-39
Fox Creek at West Berne, NY (d)	01351000	67.2	1924-32
			1962-68
Alplaus Kill near Charlton, NY (d)	01355000	23.7	1913-17
Mohawk River at Vischer Ferry Dam, NY (d)	01356000	3,380	1899-1910
			1913-19
Poesten Kill near Troy, NY (d)	01358500	89.4	1923-68
Mill Creek near East Greenbush, NY (d)	01359150	9.74	1975-77
Hunger Kill at Guilderland, NY (d)	01359513	8.16	1967-77
Normans Kill near Westmere, NY (d)	01359519	131	1968-79
Normans Kill at Albany, NY (d)	01359528*	168	1979-83
Moordener Kill at Castleton-on-Hudson, NY (d)	01359750	31.0	1958-95
Coeymans Creek near Selkirk, NY (d)	01359902	35.1	1967-77
Silver Creek at Dormansville, NY (d)	01359918	2.90	1978-81
Hannicrois Creek near New Baltimore, NY (d)	01359924	61.6	1968-77
Kinderhook Creek near Garfield, NY (d)	01360000	62.8	1893-1895
Kinderhook Creek at East Nassau, NY (d)	01360500	116	1892-1893
Kinderhook Creek at Rossman, NY (d)	01361000*	329	1906-14
			1928-68
Claverack Creek at Claverack, NY (d)	01361200	60.6	1960-68
			1993-95
Catskill Creek at Oak Hill, NY (d)	01361500*	98.0	1929-77
Tenmile Creek at Oak Hill, NY (d)	01361570	35.3	1969-78
Catskill Creek at South Cairo, NY (d)	01362000	270	1901-07
Roeliff Jansen Kill near Hillsdale, NY (d)	01362100*	27.5	1957-60
Esopus Creek at Shandaken, NY (d)	01362198	59.5	1964-88
Esopus Creek near Olivebridge, NY (d)	01363500	239	1903-04
			1907-14
Esopus Creek at Kingston, NY (d)	01364000	317	1901-09
Saw Kill at Red Hook, NY (d)	01364800	20.9	1959-66
Chestnut Creek above Red Brook at Grahamsville, NY (d)	01365450	12.2	1937-39
Rondout Creek near Lackawack, NY (d)	01366500	100	1932-67
Sandburg Creek at Ellenville, NY (d)	01366650	52.8	1957-77
Wallkill River near Unionville, NY (d)	01368000	140	1937-81
Rutgers Creek at Gardnerville, NY (d)	01368500*	59.7	1944-68
Pochuck Creek near Pine Island, NY (d)	01369000	98.0	1937-77
Quaker Creek at Florida, NY (d)	01369500	9.69	1937-79
Wallkill River at Pellets Island, NY (d)	01370000	380	1920-68
Wallkill River near Phillipsburg, NY (d)	01370500	406	1937-59
Crystal Brook near Middletown, NY (d)	01370600	8.41	1964-68
Shawangunk Kill at Pine Bush, NY (d)	01371000	102	1924-32
			1957-71
			1989-93
Wallkill River at New Paltz, NY (d)	01372000	721	1901-04
Crum Elbow Creek at Hyde Park, NY (d)	01372040	17.3	1959-62
Fall Kill at Poughkeepsie, NY (d)	01372051	18.8	1993-95
Casper Creek near Wappingers Falls, NY (d)	01372065	10.1	1969-76
East Branch Wappinger Creek near Clinton Corners, NY (d)	01372100	33.6	1956-63
Wappinger Creek near Clinton Corners, NY (d)	01372200	92.4	1956-76
Little Wappinger Creek at Salt Point, NY (d)	01372300	32.9	1956-76
Great Spring Creek at Pleasant Valley, NY (d)	01372400	15.5	1960-66
Fishkill Creek at Hopewell Junction, NY (d)	01372800*	57.3	1958-76
Whortlekill Creek at Hopewell Junction, NY (d)	01372850	7.37	1959-68
Fishkill Creek at Beacon, NY (d)	01373500	190	1944-68
Seely Brook near Chester, NY (d)	01373600	12.8	1964-68
Woodbury Creek near Highland Mills, NY (d)	01373690	11.2	1966-68
Hudson River at Tomkins Cove, NY (e)	01374349	12,731	1997-2001
Lake Tiorati Brook at Cedar Flats, NY (d)	01374420	10.6	1960-63
Cedar Pond Brook at Stony Point, NY (d)	01374440	17.3	1960-62
Minisceongo Creek at Thiells, NY (d)	01374480	15.1	1960-63
Hudson River near Congers, NY (g or e)	0137448595	12,805	1997-2001

Station name	Station number	Drainage area (mi^2)	Period of record
Hudson River Basin--continued			
Bird Brook near Croton, NY (d)	01375500	0.40	1933-38, 1940-41
Sparkill Creek at Tappan, NY (d)	01376270	4.71	1960-63, 1965-66
Sparkill Creek at Tappan Station, NY (d)	01376275	9.42	1965-66
Sparkill Creek at Sparkill, NY (d)	01376280	10.7	1959-68, 1976-78
Saw Mill River at Yonkers, NY (d)	01376500	24.0	1944-89, 1993-95
Hackensack River Basin			
Hackensack River at Brookside Park, NY (d)	01376600	13.2	1960-63
Nauraushaun Brook at Nauraushaun, NY (d)	01376850	5.89	1960-63
Hackensack River at Nauraushaun, NY (d)	01376900	44.6	1960-62
Pascack Brook Tributary at Spring Valley, NY (d)	01377200	4.19	1960-62
Pascack Brook at Pearl River, NY (d)	01377300	9.83	1959-63
Passaic River Basin			
Ramapo River at Sloatsburg, NY (d)	01387250	60.1	1959-63, 1999-2000
Stony Brook at Sloatsburg, NY (d)	01387300	18.2	1960-62
Mahwah River near Suffern, NY (d)	01387450	12.3	1959-95
Mahwah River at Suffern, NY (d)	01387480	20.8	1959-62
Saddle River near Spring Valley, NY (d)	01390200	2.10	1960-63
Pine Brook near Spring Valley, NY (d)	01390300	2.28	1959-62
Delaware River Basin			
Terry Clove Kill near Pepacton, NY (d)	01415500	13.6	1937-62
Fall Clove Kill near Pepacton, NY (d)	01416000	11.3	1942-43
Coles Clove Kill near Pepacton, NY (d)	01416500	28.0	1945-53
Beaver Kill near Turnwood, NY (d)	01418000	40.8	1949-59
Beaver Kill at Craigie Clair, NY (d)	01418500	81.9	1937-70
Willowemoc Creek at Debruce, NY (d)	01419000	41.2	1949-52
Willowemoc Creek near Livingston Manor, NY (d)	01419500	62.6	1937-70
Little Beaver Kill near Livingston Manor, NY (d)	01420000	20.1	1924-81
East Branch Delaware River at Fishs Eddy, NY (d)	01421000	784	1913-2001
East Branch Delaware River at Hancock, NY (d)	01421500	839	1903-13
West Branch Delaware River at Delhi, NY (d)	01422000	142	1937-70
West Branch Delaware River near Hamden, NY (d)	01422700	256	1959-67
Dryden Brook near Granton, NY (d)	01423500	8.10	1952-67
Trout Creek near Rockroyal, NY (d)	01424000	20.0	1952-67
Trout Creek at Cannonsville, NY (d)	01424500	49.5	1940-63
Cold Spring Brook at China, NY (d)	01425500	1.49	1935-68
Butler Brook at Deposit, NY (d)	01425642	8.46	1976-77
Oquaga Creek near North Sanford, NY (d)	01425675	4.69	1970-81
Oquaga Creek at Deposit, NY (d)	01426000	67.6	1941-73
West Branch Delaware River at Hancock, NY (d)	01427000	650	1903-13
Delaware River near Callicoon, NY (d)	01427405	1,708	1967-75
Callicoon Creek at Callicoon, NY (d)	01427500	110	1940-82
Tenmile River at Tusten, NY (d)	01428000	45.6	1946-73
Mongaup River near Rio, NY (d)	01433400	191	1910-13
Mongaup River near Mongaup, NY (d)	01433500	200	1940-95
East Branch Neversink River, east of Ladleton, NY (d)	01434013	18.6	1991-94
West Branch Neversink River at Branch near Frost Valley, NY (d)	0143402265	7.89	1991-94
South Shelter Creek south of Frost Valley, NY (d)	01434072	0.31	1993-94
North Shelter Creek near Frost Valley, NY (d)	01434073	0.24	1993-94
Shelter Creek south of Frost Valley, NY (d)	01434076	0.40	1994-95
Dry Creek above seep zone near Frost Valley, NY (d)	01434080	0.10	1993-95
West Dry Creek near Frost Valley, NY (d)	01434084	0.12	1994-95
Seep Brook near Frost Valley, NY (d)	01434087	0.13	1994-95
High Falls Brook at Frost Valley, NY (d)	01434105	2.74	1991-95
West Branch Neversink River near Claryville, NY (d)	01434176	25.3	1991-94
Neversink River at Claryville, NY (d)	01434500	62.0	1949-51
Neversink River at Halls Mills near Curry, NY (d)	01435500	68.7	1938-49
Neversink River at Woodbourne, NY (d)	01436500	113	1938-73, 1978-93
Neversink River at Oakland Valley, NY (d)	01437000	223	1928-73
Streams tributary to Lake Ontario			
Salmon River near Redfield, NY (d)	04249500	188	1911-14

Station name	Station number	Drainage area (mi^2)	Period of record
Streams tributary to Lake Ontario--continued			
Beaverdam Brook at Altmar, NY (d)	04249910	16.9	1974-76
Orwell Brook near Altmar, NY (d)	04250000	19.0	1911-16
Salmon River near Pulaski, NY (d)	04250500	260	1900-14
Forestport Feeder near Boonville, NY (d)	04251000		1916-34
Mill Creek Sluiceway at Boonville, NY (d)	04251500		1934-40
Black River Canal (flowing south) near Boonville, NY (d)	04252000		1915-80
Sugar River at Talcottville, NY (d)	04253000	43.1	1926-32
			1967-68
Panther Lake Outlet near Old Forge, NY (d)	04253275	0.46	1978-82
Middle Branch Moose River at Old Forge, NY (d)	04253500	55.0	1912-73
Middle Branch Moose River near McKeever, NY (d)	04254000	151	1926-68
Moose River at McKeever, NY (d)	04254500*	363	1900-70
Otter Creek near Glenfield, NY (d)	04255000	64.5	1924-33
Independence River at Sperryville, NY (d)	04255500	81.8	1928-42
Cranberry Pond Outlet near Big Moose, NY (d)	04256460	0.58	1984-86
Woods Lake Tributary near Big Moose, NY (d)	04256480	0.13	1980-82
			1984-86
Woods Lake near Big Moose, NY (g)	04256484	0.80	1979-82
Woods Lake Outlet near Big Moose, NY (d)	04256485	0.80	1978-82
			1984-89
			1991-92
Beaver River below Stillwater Dam near Beaver River, NY (d)	04257000	171	1919-23
			1925-87
Beaver River at Eagle Falls near Number Four, NY (d)	04257500	225	1921-25
Beaver River near Croghan, NY (d)	04257955	266	1901-03
Deer River at Copenhagen, NY (d)	04258500	86.6	1929-57
Deer River at Deer River, NY (d)	04258700*	94.8	1957-68
Black River at Black River, NY (d)	04259500	1,842	1897-1914
			1917-20
St. Lawrence River Basin			
Oswegatchie River at Cranberry Lake, NY (d)	04261000	140	1923-82
Oswegatchie River at Newton Falls, NY (d)	04261500	170	1913-23
Oswegatchie River near Ogdensburg, NY (d)	04263500	1,562	1903-17
St. Lawrence River near Waddington, NY (e)	04264050	298,500	1976-86
Sucker Brook near Waddington, NY (d)	04264100	25.6	1961-64
Little Sucker Brook at Waddington, NY (d)	04264200	19.9	1959-61
Brandy Brook near Waddington, NY (d)	04264300	22.8	1959-63
Middle Branch Grass River near Clare, NY (d)	04264400	63.0	1959-61
North Branch Grass River near South Colton, NY (d)	04264500	28.1	1924-32
North Branch Grass River near Clare, NY (d)	04264700	46.3	1958-63
Plumb Brook at Russell, NY (d)	04264800	35.3	1958-60
Grass River at Pyrites, NY (d)	04265000	333	1924-77
Elm Creek near Hermon, NY (d)	04265100*	32.6	1958-68
Tanner Creek at Stellaville, NY (d)	04265200	33.4	1958-61
Little River near Canton, NY (d)	04265300	42.4	1959-61
Grannis Brook at Crary Mills, NY (d)	04265400	20.9	1959-61
Lost Brook near Raquette Lake, NY (d)	0426545290	17.0	1978-80
Sagamore Lake Outlet near Raquette Lake, NY (d)	0426545295	19.1	1978-82
Raquette River near Coreys, NY (d)	04265500	418	1908-13
Little Simon Pond Outlet near Tupper Lake, NY (d)	04265605	2.95	1984-88
Bog River at mouth near Tupper Lake, NY (d)	04266000	132	1908-12
Raquette River at South Colton, NY (d)	04267500	1,125	1943-2002
Parkhurst Brook near Potsdam, NY (d)	04267700	16.8	1958-63
Trout Brook at Allen Corners, NY (d)	04267800	54.2	1958-63
Plum Brook near Grantville, NY (d)	04268200*	43.9	1958-63
Raquette River at Massena Springs, NY (d)	04268230	1,196	1904-17
Squeak Brook near Massena, NY (d)	04268300	39.1	1959-61
St. Regis River near Paul Smiths, NY (d)	04268390	22.0	1973-75
East Branch St. Regis River near Meacham Lake, NY (d)	04268600	52.2	1958-68
St. Regis River at St. Regis Falls, NY (d)	04268700	234	1958-68
Lake Ozonia Outlet near St. Regis Falls, NY (d)	04268710	28.3	1961-63
Trout Brook at Stockholm Center, NY (d)	04268900	42.4	1958-61
Deer River at North Lawrence, NY (d)	04269043	78.0	1973-79
Allen Brook near Brasher Falls, NY (d)	04269050	16.0	1961-66
Lawrence Brook near Moira, NY (d)	04269100	25.7	1958-61
Deer River at Brasher Iron Works, NY (d)	04269500	191	1912-16
			1958-68
East Branch Deer Creek at Fort Covington Center, NY (d)	04270150	23.9	1961-62
Farrington Brook near Moira, NY (d)	04270180	17.7	1961-66
Chateaugay River near Chateaugay, NY (d)	04270500	112	1908-09
			1927-66
Chateaugay River below Chateaugay, NY (d)	04270510	151	1966-95
Little Trout River near Burke, NY (d)	04270600	27.6	1961-63

Station name	Station number	Drainage area (mi^2)	Period of record
St. Lawrence River Basin--continued			
Trout River at Trout River, NY (d)	04270700*	107	1960-66
English River near Mooers Forks, NY (d)	04270800	40.8	1960-68
Saranac River at Saranac, NY (d)	04273000	521	1930-43
Lake Placid at Lake Placid, NY (e)	04273900	20.1	1960-82
West Branch Ausable River near Lake Placid, NY (d)	04274000*	116	1916-68
Black Brook at Black Brook, NY (d)	04274500	49.4	1924-61
East Branch Ausable River at Au Sable Forks, NY (d)	04275000*	198	1925-95
Highlands Forge Lake Outlet near Willsboro, NY (d)	04276069	10.9	1990-96
Hoisington Brook at Westport, NY** (d)	04276645	6.47	1990-96
Mill Brook at Port Henry, NY (d)	04276770	27.0	1990-99
West Brook at Lake George, NY (d)	04276895	8.38	1980-83
English Brook at Lake George, NY (d)	04276920	7.84	1980-83
Northwest Bay Brook near Bolton Landing, NY (d)	04278300	22.0	1966-68, 1972-97
La Chute at Ticonderoga, NY (d)	04279000	234	1904-06, 1943-79
Mill Brook at Putnam, NY (d)	04279040	10.3	1990-96
Mount Hope Brook at South Bay near Whitehall, NY (d)	04279125	11.6	1990-96
Lake Champlain at Port Henry, NY (e)	04294413		1998-99

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DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following continuous-record surface-water-quality stations in eastern New York excluding Long Island have been discontinued. Daily records of suspended-sediment discharge, temperature, or specific conductance were collected and published for the period of record shown for each station. Those stations with an asterisk (*) after the station number are currently operated as a surface-water-quality station (intermittent record).

[Type of record: Temp. (temperature), S.C. (specific conductance), S.S. (suspended-sediment discharge)]

Station name	Station number	Drainage area (mi^2)	Type of record	Period of record
Hudson River Basin				
Hudson River at Glens Falls, NY	01327600	2,807	S.S.	1977
Hudson River at Rogers Island at Fort Edward, NY	01327755	2,817	S.S.	1978-79
Hudson River at Schuylerville, NY	01329650	3,440	S.S.	1977-79
Glowegee Creek near West Milton, NY	01329995	21.5	Temp.	1967-73
			S.C.	1967-73
Glowegee Creek at West Milton, NY	01330000	26.0	Temp.	1954-73
			S.C.	1965-73
Kayaderosseras Creek near West Milton, NY	01330500	84.2	Temp.	1953-78
Hudson River at Stillwater, NY	01331095	3,773	S.S.	1977-2002
Hoosic River near Eagle Bridge, NY	01334500	510	Temp.	1993-95
Hudson River at Mechanicville, NY	01335500	4,500	Temp.	1960-61
Mohawk River below Delta Dam, near Rome, NY	01336000	152	Temp.	1967-72, 1974-78
Schoharie Creek at North Blenheim, NY	01350180	358	Temp.	1972-85
Schoharie Creek at Breakabeen, NY	01350355	444	Temp.	1976
Lisha Kill northwest of Niskayuna, NY	01356190*	15.6	Temp.	1993-97
Mohawk River at Cohoes, NY	01357500*	3,450	Temp.	1956-59
			S.S.	1954-59, 1977-79
Hudson River at Green Island, NY	01358000	8,090(about)	Temp.	1955-81
Mill Creek near East Greenbush, NY	01359150	9.74	S.S.	1975-76
Claverack Creek at Claverack, NY	01361200	60.6	Temp.	1993-95
Esopus Creek at Allaben, NY	01362200*	63.7	Temp.	1964-68, 1970-95
Crystal Brook near Middletown, NY	01370600	8.41	Temp.	1966-68
Wallkill River at Gardiner, NY	01371500	695	Temp.	1958, 1993-95
Hudson River near Poughkeepsie, NY	01372043	11,700	Temp.	1959-66
Fall Kill at Poughkeepsie, NY	01372051	18.8	Temp.	1993-95
Hudson River at Poughkeepsie, NY	01372055	11,732	Temp.	1967-69
			S.C.	1967-69
Hudson River near Beacon, NY	01372560		Temp.	1966-68
			S.C.	1966-68
Fishkill Creek at Hopewell Junction, NY	01372800	57.3	Temp.	1964-75

Station name	Station number	Drainage area (mi^2)	Type of record	Period of record
Hudson River Basin--Continued				
Whortlekill Creek at Hopewell Junction, NY	01372850	7.37	Temp.	1963-68
Seely Brook near Chester, NY	01373600	12.8	Temp.	1964-69
Hudson River at West Point, NY	01374020		Temp.	1969
			S.C.	1969
Hudson River at Peekskill, NY	01374310		Temp.	1968-69
			S.C.	1968-69
Hudson River at Tomkins Cove, NY	01374349	12,731	Temp.	1997-2001
			S.C.	1997-2001
Hudson River near Congers, NY	0137448595	12,805	Temp.	1997-2001
			S.C.	1997-2001
Saw Mill River at Yonkers, NY	01376500	24.0	Temp.	1993-95
Delaware River Basin				
East Branch Delaware River at Fishs Eddy, NY	01421000	784	Temp.	1968-2001
Oquaga Creek near North Sanford, NY	01425675	4.69	Temp.	1971-81
Delaware River at Lordville, NY	01427207	1,590	Temp.	1968-71
				1973-96
Delaware River near Callicoon, NY	01427405	1,708	Temp.	1968-75
Delaware River at Skinners Falls, NY	01427705	1,897	Temp.	1968-71
				1974-79
Delaware River at Port Jervis, NY	01434000*	3,070	Temp.	1957-60
				1973-94
			S.C.	1973
			S.S.	1960
				1970-76
Neversink River at Woodbourne, NY	01436500	113	Temp.	1978-93
Streams tributary to Lake Ontario				
Sandy Creek near Adams, NY	04250750	128	Temp.	1981-84
			S.C.	1981-84
Independence River at Donnattsburg, NY	04256000	88.7	Temp.	1960-61
				1964-78
Black River at Watertown, NY	04260500	1,864	Temp.	1956-59
				1962-69
St. Lawrence River Basin				
St. Lawrence River at Cornwall, Ontario--near Massena, NY	04264331	298,800	Temp.	1966-86
			S.C.	1976-86
West Brook at Lake George, NY	04276895	8.38	S.S.	1981
English Brook at Lake George, NY	04276920	7.84	S.S.	1981
Lake Champlain at Port Henry, NY	04294413		Temp.	1998-99

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DISCONTINUED CREST-STAGE PARTIAL-RECORD STATIONS

The following crest-stage partial-record stations in eastern New York excluding Long Island have been discontinued. Only maximum discharges and/or gage heights were collected for the period of documented record, expressed in water years, shown for each station. The period of documented record may include peaks prior to and after gaged record. Those stations with an asterisk (*) after the station number are also discontinued continuous-record surface-water stations (see previous listing) and those with a double asterisk (**) after the station number are current continuous-record surface-water stations.

Station name	Station number	Drainage area (mi^2)	Period of documented record
Housatonic River Basin			
Webatuck Creek near South Amenia, NY	01199400	81.0	1962-76
Tenmile River near Wassaic, NY	01199420*	120	1961-74,1976,1984
Swamp River near Dover Plains, NY	01199490*	46.6	1970-74
Blind Brook Basin			
Blind Brook at Rye, NY	01300000*	9.20	1999
Mamaroneck River Basin			
Mamaroneck River at Winfield Avenue at Mamaroneck, NY	01300800	14.5	1972
			1983-87

DISCONTINUED CREST-STAGE PARTIAL-RECORD STATIONS
(continued)

Station name	Station number	Drainage area (mi^2)	Period of documented record
Mamaroneck River Basin--continued			
Mamaroneck River at Mamaroneck, NY	01301000*	23.1	1999
Bronx River Basin			
Bronx River at Bronxville, NY	01302000*	26.5	1999
Hudson River Basin			
Hudson River near Newcomb, NY	01312000**	192	1988-2002
Cedar River below Chain Lakes near Indian Lake, NY	01313500*	160	1962-64,1966,1969
West Branch Sacandaga River at Arietta, NY	01319800	28.9	1963-85
Sand Lake Outlet near Piseco, NY	01319950	6.62	1962-83,1985
Kennyetto Creek near Broadalbin, NY	01323000*	28.3	1960-65,1969-77
Pecks Creek at Fort Miller, NY	01328758	2.38	1968-79
Batten Kill at Battenville, NY	01329500**	394	1904,1913,1977, 1984,1987-98
Sessions Brook at Porter Corners, NY	01329780	1.04	1968-86
Glowegee Creek Tributary at Mosherville, NY	01329900	1.42	1968-86
Kayaderosseras Creek near West Milton, NY	01330500*	90.0	1998
Saratoga Lake Tributary near Bemis Heights, NY	01330880	2.98	1968-95
Little Hoosic River at Cherry Plain, NY	01333367	2.22	1976-86
Case Brook near Eagle Bridge, NY	01334550	2.86	1976-78
Mohawk River at Hillside, NY	01335800	48.9	1958-59, 1961-67,1969
Mohawk River at Ridge Mills near Rome, NY	01336500	155	1888,1898
Steele Creek at Ilion, NY	01342730*	26.2	1964-66,1969, 1971-84,2000
Fulmer Creek at Mohawk, NY	01342750	26.1	1963-68
West Canada Creek at Nobleboro, NY	01342800*	193	1946,1958-66,1969-76, 1985,1987-98,2000
Mohawk River Tributary at Indian Castle, NY	01346820	1.36	1974-86
Spruce Lake Tributary near Salisbury Center, NY	01347460	0.54	1975-86,2000
East Canada Creek at East Creek, NY	01348000*	289	1996,1998,2000
Flat Creek at Sprakers, NY	01349250	52.2	1963-64,1967
Allston Creek near Randall, NY	01349360	1.03	1974-86
East Kill near Jewett Center, NY	01349700**	35.6	1951,1956,1960, 1965-74,1987,1996
West Kill near West Kill, NY	01349810**	27.0	1965-69
Batavia Kill at Hensonville, NY	01349850	13.5	1955,1960,1965,1968, 1972-93,1996,1999
Batavia Kill at Ashland, NY	01349920	62.0	1956,1960, 1965-70,1972,1974
Schoharie Creek at Middleburg, NY	01350500*	532	1907-18
Beaverdam Creek near Knox, NY	01350900	6.91	1963-86
Switz Kill near Berne, NY	01350950	28.3	1963-66,1968-72
Fox Creek at West Berne, NY	01351000*	67.2	1969-74,1987
Fox Creek near Schoharie, NY	01351200	99.0	1957-64,1987
Cobleskill Creek at Cobleskill, NY	01351300	106	1963-66,1974,1987
Schoharie Creek Tributary No. 2 at Eaton Corners, NY	01351610	1.24	1968-78
Schoharie Creek near Fort Hunter, NY	01352000	911	1901-03
Sandsea Kill at Pattersonville, NY	01354200	9.60	1960,1965,1971-72, 1974,1976-84,1986
Plotter Kill at Rynex Corners, NY	01354300	3.70	1958,1960-68, 1970-74,1976-86
Indian Kill near Glenville Center, NY	01355405	3.11	1968-71,1974-86
Patroon Creek at Northern Boulevard at Albany, NY	01359133	13.1	1979-83
Hunger Kill at Guilderland, NY	01359513*	8.16	1999
Moordener Kill at Castleton-on-Hudson, NY	01359750*	32.6	1999
Coeymans Creek near Selkirk, NY	01359902*	35.1	1996,1999
Hannicrois Creek near New Baltimore, NY	01359924*	61.6	1996,1999
Claverack Creek at Claverack, NY	01361200*	60.6	1969-80
Tributary to Taghkanic Creek Tributary near Craryville, NY	01361245	0.39	1982-86
Catskill Creek Tributary at Franklinton, NY	01361453	3.61	1968-87
Shingle Kill at Cairo, NY	01361900	13.9	1953-56,1960, 1965-87,1996,1999
Dry Brook at West Shokan, NY	01363388	1.67	1976,1978-87
Plattekill Creek at Mount Marion, NY	01364400	36.6	1962-64,1968-74
Beer Kill at Ellenville, NY	01366750	43.3	1962-71
Coxing Kill near High Falls, NY	01366950	12.6	1962-64,1966, 1968-74
Wallkill River near Unionville, NY	01368000*	140	1984,1989-93
Wallkill River near Pine Island, NY	01368100	162	1989-93
Indigot Creek Tributary near Mount Hope, NY	01368495	5.78	1973-75

Station name	Station number	Drainage area (mi^2)	Period of documented record
Hudson River Basin--continued			
Wawayanda Creek at Durland, NY	01368713	5.09	1971-80
Long House Creek at Bellvale, NY	01368724	11.8	1971-80
Wawayanda Creek at New Milford, NY	01368810	44.8	1971-80
Wallkill River 0.9 mi abv Pellets Island nr Middletown, NY	01369810	373	1991-93
Wallkill River 0.8 mi abv Pellets Island nr Middletown, NY	01369820	373	1990-93
Wallkill River .45 mi abv Pellets Island nr Middletown, NY	01369992	373	1989-92
Wallkill River .35 mi abv Pellets Island nr Middletown, NY	01369995	374	1989-92
Wallkill River at Pellets Island, NY	01370000*	380	1984,1989-93
Wallkill River at Denton, NY	01370030	385	1989-93
Wallkill River near Phillipsburg, NY	01370500*	406	1936,1989-93
Dwaar Kill near Searsville, NY	01370836	12.8	1974-75
Shawangunk Kill at Ganahgote, NY	01371400	147	1952,1955-56, 1962-65,1967-69
Landsman Kill at Rhinebeck, NY	01372010	11.4	1962-63,1966-69
Landsman Kill near Rhinecliff, NY	01372020	22.7	1962
Crum Elbow Creek at Hyde Park, NY	01372040*	17.3	1963-76
Wappinger Creek near Clinton Corners, NY	01372200*	92.4	1977-82,1984
Sprout Creek near Fishkill Plains, NY	01372900	51.4	1962-63,1965-69
Clove Creek near North Highland, NY	01372948	12.1	1975-80
Seely Brook near Chester, NY	01373600*	12.8	1971-72
Woodbury Creek near Highland Mills, NY	01373690*	11.2	1971-72,1977-84
Canopus Creek at Oscawana Corners, NY	01374130	8.30	1975-86
Cedar Pond Brook at Stony Point, NY	01374440*	17.3	1956,1963-68, 1975-79
South Branch Minisceongo Creek Trib. near Mount Ivy, NY	01374456	0.90	1976-79
South Branch Minisceongo Creek at Mount Ivy, NY	01374458	5.19	1976-79
South Branch Minisceongo Creek at Thiells, NY	01374460	5.86	1960-76,1978
Minisceongo Creek at Thiells, NY	01374480*	15.1	1977-79
Haviland Hollow Brook near Putnam Lake, NY	01374494	12.2	1977-80
Lake Carmel Inlet at Kent Corners, NY	01374645	10.3	1975-80
Saw Mill River at Eastview, NY	01376410	12.5	1975,1977-80
Saw Mill River at Elmsford, NY	01376420	15.4	1979-93,1999
Saw Mill River at Yonkers, NY	01376500*	24.0	1990,1999
Hackensack River Basin			
New City Brook near New City, NY	01376570	5.46	1972-80
Hackensack River at Brookside Park, NY	01376600*	13.2	1966-80
East Branch Hackensack River near Congers, NY	01376690	6.90	1960,1968-69, 1971-80
Nauraushaun Brook at Nanuet, NY	01376842	2.12	1975-77,1979
Nauraushaun Brook at Pearl River, NY	01376855	5.97	1976-80
Hackensack River at Nauraushaun, NY	01376900*	44.6	1963
Pascack Brook at Spring Valley, NY	01377180	2.10	1972-80
Pascack Brook Trib. at Erie Railroad at Spring Valley, NY	01377196	3.89	1977-79
Pascack Brook Tributary at Spring Valley, NY	01377200*	4.19	1963-80
Pascack Brook near Pearl River, NY	01377260	8.39	1975-79
Passaic River Basin			
Ramapo River at Sloatsburg, NY	01387250*	60.1	1956,1975-79
Stony Brook at Sloatsburg, NY	01387300*	18.2	1963-69
Nakoma Brook at Sloatsburg, NY	01387350	5.40	1960-78
Torne Brook at Ramapo, NY	01387410	2.60	1960-2002
Mahwah River near Suffern, NY	01387450*	12.3	1996
Mahwah River at Suffern, NY	01387480*	20.8	1963-65
Pine Brook near Spring Valley, NY	01390300*	2.28	1964-67
Delaware River Basin			
Platte Kill at Dunraven, NY	01414000**	34.9	1996
Campbell Brook Tributary near Downsville, NY	01417185	0.41	1975-86
Beaver Kill at Craigie Clair, NY	01418500*	81.9	1971-74,1996
Willowemoc Creek near Livingston Manor, NY	01419500*	62.6	1971-74,1996
East Branch Delaware River at Fishs Eddy, NY	01421000**	784	1904
West Branch Delaware River at Delhi, NY	01422000*	142	1971-74,1996
Little Delaware River near Delhi, NY	01422500**	49.8	1971-74,1996
Peaks Brook near Delhi, NY	01422530	7.07	1975-77
Trout Creek near Rockroyal, NY	01424000*	20.0	1996
West Branch Delaware River at Hale Eddy, NY	01426500**	595	1904
Callicoon Creek at Callicoon, NY	01427500*	110	1940,1983-99
Delaware River at Port Jervis, NY	01434000**	3,070	1904
East Branch Neversink River at Denning, NY	01434010	13.3	1984-2002

DISCONTINUED CREST-STAGE PARTIAL-RECORD STATIONS
(continued)

Station name	Station number	Drainage area (mi^2)	Period of documented record
Delaware River Basin--continued			
High Falls Brook at Frost Valley, NY	01434105*	2.74	1996
Neversink River near Claryville, NY	01435000**	66.6	1951
Neversink River Trib. to Trib. 3 near Loch Sheldrake, NY	01436050	1.32	1975-78
Basher Kill Tributary near Westbrookville, NY	01437345	1.07	1975-83
Streams tributary to Lake Ontario			
Salmon River near Osceola, NY	04249100	50.6	1962
Staplin Creek at Rutland Center, NY	04250695	1.84	1976-78
Sandy Creek near Adams, NY	04250750**	137	1996-2002
Sandy Creek Tributary No. 2 near Woodville, NY	04250752	4.26	1969-71,1976-78
Sugar River at Talcottville, NY	04253000*	43.1	1953,1969,1985
Middle Branch Moose River at Old Forge, NY	04253500*	55.0	1985
Middle Branch Moose River near McKeever, NY	04254000*	151	1985
Otter Creek near Glenfield, NY	04255000*	64.5	1953-85
Widmeyer Creek near Beaver Falls, NY	04258015	2.46	1976-77
Black River at Black River, NY	04259500*	1,842	1869
Horse Creek Tributary near Dexter, NY	04260575	4.59	1876-86
St. Lawrence River Basin			
Oswegatchie River at Cranberry Lake, NY	04261000*	140	1985
Oswegatchie River near Oswegatchie, NY	04262000**	259	1985
Birch Creek at Pierces Corners, NY	04263445	1.67	1976-86
Sucker Brook near Waddington, NY	04264100*	25.6	1967-69
Little Sucker Brook at Waddington, NY	04264200*	19.9	1966-69,1971-73, 1975-79
Brandy Brook near Waddington, NY	04264300*	27.0	1966-86
South Branch Grass River at Newbridge, NY	04264350	109	1965-67
Middle Branch Grass River near Clare, NY	04264400*	63.0	1963,1965-68, 1971-73,1975-76,1985
North Branch Grass River near Clare, NY	04264700*	46.3	1964-69,1985
Plumb Brook at Russell, NY	04264800*	35.3	1961-66
Grass River at Pyrites, NY	04265000*	333	1985
Tanner Creek at Stellaville, NY	04265200*	30.3	1962-69
Little River near Canton, NY	04265300*	42.4	1962-76,1985
Grannis Brook at Crary Mills, NY	04265400*	20.9	1962-63,1966-69
Raquette River at Piercefield, NY	04266500**	721	1900
Cold Brook near South Colton, NY	04267600	18.7	1962-76,1985
Parkhurst Brook near Potsdam, NY	04267700*	16.8	1964-77
Trout Brook at Allen Corners, NY	04267800*	54.2	1964-86
St. Regis River at St. Regis Falls, NY	04268700*	234	1985
Lake Ozonia Outlet near St. Regis Falls, NY	04268710*	28.3	1964-68
Hopkinton Brook at Hopkinton, NY	04268720	20.0	1962-86
West Branch St. Regis River near Parishville, NY	04268800**	171	1969-91
Trout Brook at Stockholm Center, NY	04268900*	42.4	1961-68,1970-78
St. Regis River at Brasher Center, NY	04269000**	612	1997
Deer River at North Lawrence, NY	04269043*	78.0	1985
Allen Brook near Brasher Falls, NY	04269050*	16.0	1967-86
Lawrence Brook near Moira, NY	04269100*	25.7	1961-86
Deer River at Brasher Iron Works, NY	04269500*	182	1969,1971-73, 1976-80,1985
Salmon River at Chasm Falls, NY	04270000**	132	1985
West Branch Deer Creek at Fort Covington Center, NY	04270100	32.4	1962-86
East Branch Deer Creek at Fort Covington Center, NY	04270150*	23.9	1963-86
East Branch Little Salmon River near Skerry, NY	04270162	7.11	1978-93,1998
Farrington Brook near Moira, NY	04270180*	17.7	1966-69
Little Salmon River at Bombay, NY	04270200*	92.2	1996-98
Chateaugay River below Chateaugay, NY	04270510*	151	1997-98
Little Trout River near Burke, NY	04270600*	27.6	1964-66
English River near Mooers Forks, NY	04270800*	40.8	1969,1971-79
Great Chazy River at Perry Mills, NY	04271500**	243	1985,1987-89
Saranac River at Saranac, NY	04273000*	521	1947
Salmon River at South Plattsburgh, NY	04273700**	63.3	1969-86
Highlands Forge Lake Outlet near Willsboro, NY	04276069*	10.9	1997-98
Bouquet River at New Russia, NY	04276200	37.6	1949-80
Bouquet River at Willsboro, NY	04276500**	270	1980,1985,1987-89
Hoisington Brook at Westport, NY	04276645*	6.47	1997-98
Northwest Bay Brook near Bolton Landing, NY	04278300*	22.0	1969-71,1998-99
Mill Brook at Putnam, NY	04279040*	10.3	1997
Mount Hope Brook at South Bay near Whitehall, NY	04279125*	11.6	1997-98
Mettawee River near Middle Granville, NY	04280450**	167	1984

INTRODUCTION

Water-resources data for the 2003 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and ground-water levels and water quality. This volume contains records for water discharge at 150 gaging stations; stage only at 8 gaging stations; stage and contents at 4 gaging stations, and 18 other lakes and reservoirs; water quality at 29 gaging stations; and water levels at 21 observation wells. Also included are data for 31 crest-stage partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements and analyses in this volume. Surface-water, ground-water, and water-quality data at all sites are listed in Eastern Standard Time (EST), unless otherwise noted. These data, together with the data in Volumes 2 and 3, represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Municipal, and Federal agencies in New York.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs, were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of water quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities and universities in the United States or may be purchased from the U.S. Geological Survey, Branch of Distribution, 604 South Pickett Street, Alexandria, VA 22304.

Since the 1961 water year, streamflow data and since the 1964 water year, water-quality data have been released by the Geological Survey in annual reports on a State-boundary basis. These reports provided rapid release of water data in each state shortly after the end of the water year. Through 1970 the data were also released in the water-supply paper series mentioned above.

Streamflow and water-quality data beginning with the 1971 water year, and ground-water data beginning with the 1975 water year are published only in reports on a State-boundary basis. Beginning with the 1975 water year, these Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NY-03-1." Water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices for ordering specific reports, may be obtained from the District Office at the address given on the back of the title page or by telephone (518)285-5600.

COOPERATION

The U.S. Geological Survey and organizations of the State of New York and other agencies have had cooperative agreements for the systematic collection of water records since 1900. Organizations that assisted in collecting data included in Volume 1, water year 2003, through cooperative agreement with the Survey are:

Board of Hudson River-Black River Regulating District
City of Albany
City of New York, Department of Environmental Protection
County of Ulster, County Legislature
Green Island Power Authority
La Chute Hydro Company, Inc.
New York Power Authority
New York State Department of Environmental Conservation
New York State Department of Transportation
Reliant Energy
Village of Nyack

Assistance in the form of funds for collecting records at gaging stations published in this report was also given by the following:

U. S. Department of Energy

The following municipalities, organizations, and agencies aided in collecting records:

Mirant New York, Inc.
National Weather Service
Oswegatchie River-Cranberry Reservoir Commission
Plattsburgh
United Water New York
Utica Board of Water Supply

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

Streamflow during the 2003 water year in eastern New York ranged from slightly below normal to well above normal (fig. 1). Streamflow was highest (110 to150 percent of normal) south of the Mohawk River Valley, and lowest (90 to 100 percent of normal) in the Adirondack Mountains, St. Lawrence River Valley, and Lake Champlain Basin.

Contents of the New York City reservoir system were slightly below normal during October and above normal throughout the remainder of the water year (fig. 2A). Above-normal rainfall in October helped to end the drought that began during the 2002 water year, and consistent precipitation kept the reservoir levels 10 to 20 percent above normal throughout the water year, and near capacity from March through September. Capacities of several reserviors in the system were exceeded, which resulted in flow over the spillways. The volume of water in the Great Sacandaga Lake was 5 to 20 percent above the long-term average (1931-2001) throughout the water year (fig. 2B).

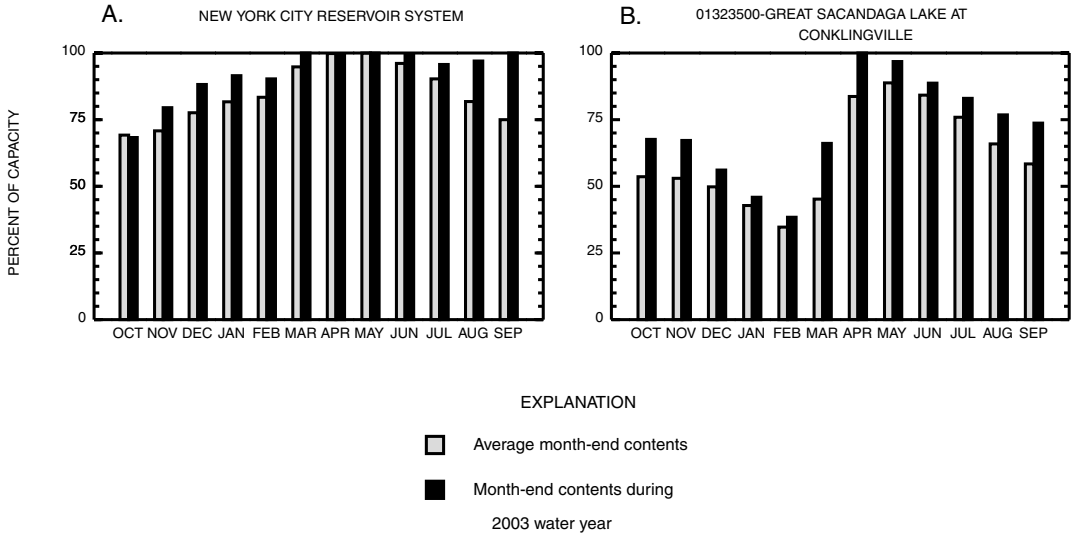


Figure 2.--Comparison of percent of capacity of average month-end reservoir contents and month-end contents during 2003 water year for two selected reservoir systems in eastern New York.

Monthly runoff (in inches) at selected streamflow-gaging stations during 2003, and the average monthly runoff at each site during 1940-99, are plotted in figure 3. Monthly runoff in eastern New York was generally within 1 inch of normal from October through February. March runoff was well above normal throughout eastern New York, and runoff for the remaining months of the water year were mixed--above normal at some stations and below at others. No droughts occurred in this water year.

Daily-discharge hydrographs for the 2003 water year at two unregulated gaging stations in eastern New York—West Branch Oswegatchie River near Harrisville in St. Lawrence County, and Wappinger Creek near Wappingers Falls in Dutchess County, are presented in figures 4 and 5, respectively. Daily streamflow at Wappinger Creek was well above the 25-percent exceedence level (percentage of time that a given discharge is equaled or exceeded) during most of the fall and early winter. A cold winter caused precipitation to be primarily in the form of snow, which resulted in low discharge from late January through early March. A thaw in March melted the snowpack, but below-normal rainfall during April and May caused the discharge to quickly drop to below-median (normal) levels. Normal rainfall was well distributed through early summer, and the above-normal rainfall in August and September caused streamflow to rise to equal the 5-percent exceedence level for both months. Streamflow of West Branch Oswegatchee River increased to well above the 25-percent exceedence level many times during the year; the periods of below-normal flow occurred mostly during the first half of the water year and in July and September.

October 2002 brought a respite from the hot late-summer weather. Air temperatures throughout eastern New York were 1 to 2°F below normal . Freezing temperatures had occurred over the region by the end of the month. The lowest recorded air temperature was at Big Moose in Herkimer County (8°F). Rainfall was generally 1 to 2 inches above normal over the region, but some areas of the eastern Catskill Mountains received more than 8 inches of rain. Runoff at two streamflow-gaging stations in that region--Schoharie Creek at Prattsville and Beaver Kill at Cooks Falls (fig.3), was about 2 inches above normal; runoff elsewhere was normal. The New York City reservoir contents were at normal levels, and the Great Sacandaga Lake contents were about 15 percent above normal.

Temperatures in November averaged 1°F cooler than normal and were below 0°F in some parts of the Adirondack Mountains toward the end of the month. Precipitation was normal in most areas except the Mohawk River Valley, which received about 75 percent of the normal precipitation, and the Hudson River Valley, which received about 140 percent of the expected precipitation. A lake-effect storm dumped 4 feet of snow on the Tug Hill Plateau. Runoff was generally normal except in the southeastern region, where it was about 2 inches above normal. Reservoir contents were about 10 percent above normal.

Cool weather continued through December. Temperatures averaged 1°F below normal. Precipitation in the Hudson River Valley was above normal, and that in the Mohawk River Valley was below normal. A Christmas nor'easter blanketed New York with 10 to 39 inches of snow. Cold temperatures in the north caused the formation of river ice, and streamflow decreased to below-normal levels, especially at West Branch Oswegatchie River near Harrisville. Streamflows south of the Mohawk River Valley were generally above normal, and reservoir contents were about 10 percent above normal.

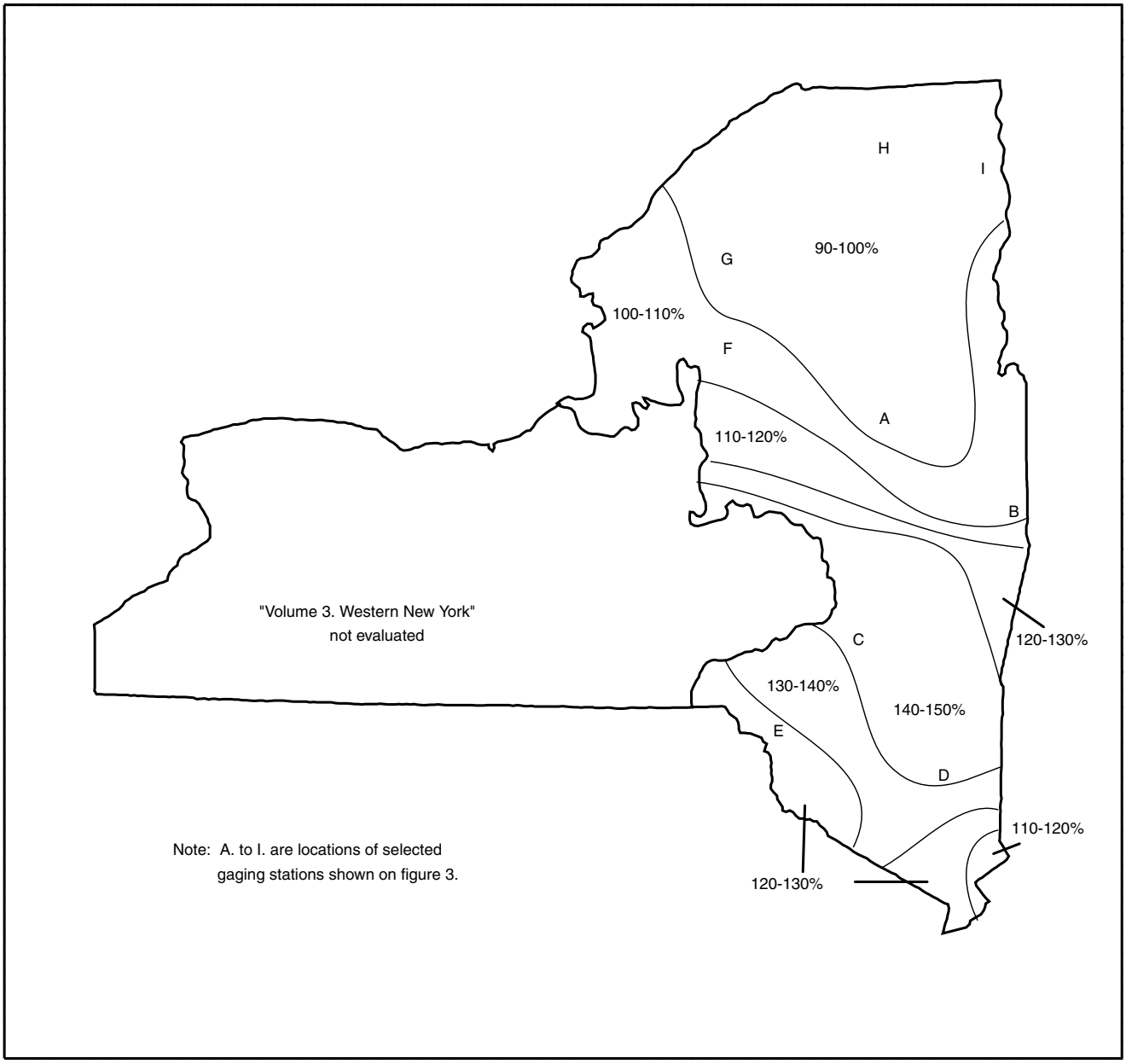


Figure 1.--2003 water year runoff as a percentage of the average annual runoff for 1940-99 for eastern New York excluding Long Island.

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

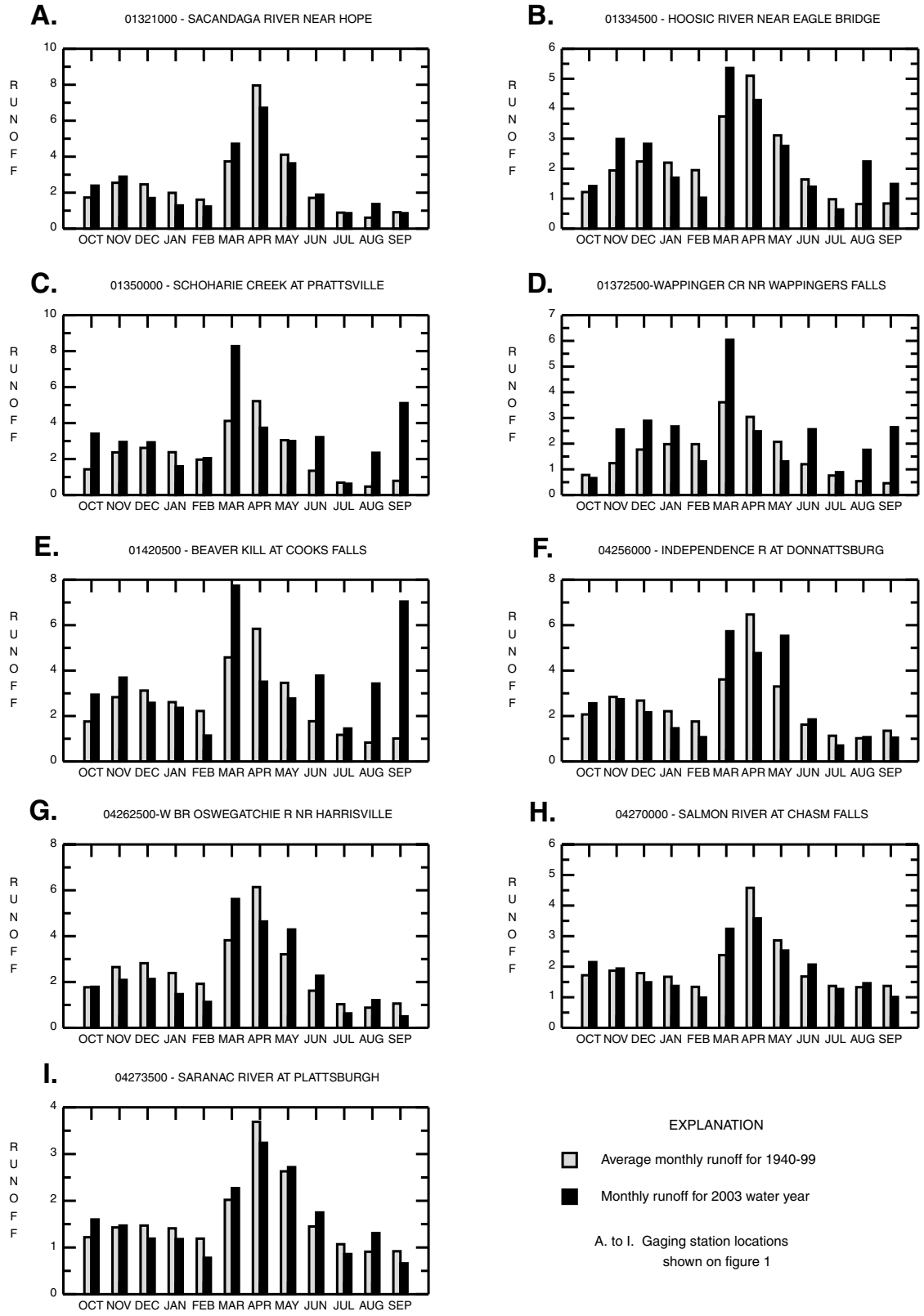


Figure 3.--Comparison of monthly runoff (in inches) for 2003 water year and average monthly runoff for 1940-99 for selected gaging stations in eastern New York (site locations are shown on figure 1).

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

Air temperature in January was about 6°F colder than normal, and temperatures below 0°F occurred throughout the region. Several weather stations in the Adirondack Mountains reported temperatures as low as -37°F. Heavy lake-effect snowfall occurred in the Tug Hill Plateau and western Adirondack Mountain regions; monthly total depths of 70 to 114 inches were reported. Normal precipitation occurred to the south and east. Streamflow at most stations was slightly below normal, but at Wappinger Creek near Wappingers Falls, runoff was about 1 inch of above normal. The New York City reservoir contents were at 90 percent of capacity (10 percent above normal) by January 31; the Great Sacandaga Lake contents decreased to about 60 percent of capacity, also about 10 percent above normal, by the end of January.

Cold weather continued through February. Temperatures averaged about 5°F below normal, and several towns in the Adirondack Mountains recorded temperatures of -30°F. Precipitation throughout the region was near normal . Streamflow was about 1 inch below normal as the low temperatures kept moisture locked in the snowpack. The New York City reservoir contents remained at 90 percent of capacity whereas the level of the Great Sacandaga Lake was drawn down to about 35 percent of capacity. The levels of both reservoir systems were about 10 percent above normal at the end of February.

Early March remained cold, but temperatures rebounded to 60 to 70°F by the end of the month. Although precipitation was within 1 inch of normal, the warm tempertures resulted in snowmelt and caused streamflow to be abundant throughout the region. Runoff ranged from 1 to 4 inches above normal. A new March monthly maximum-discharge record was recorded at East Branch Delaware River at Harvard. Runoff at Wappinger Creek and West Branch Oswegatchie River was about 2 inches above normal. Most streamflow-gaging stations throughout southeastern New York recorded their annual maximum instantaneous discharge during March. The New York City reservoir system was at nearly 100 percent of capacity. Contents of the Great Sacandaga Lake increased to about 65 percent in response to the late winter snowmelt; which was 20 percent above normal for the end of March.

April was cooler and drier than normal. Many areas recieved only 50 to 75 percent of the expected precipitation. Consequently, streamflow rapidly decreased to below normal levels throughout eastern New York. The New York City reservoir system and the Great Sacandaga Lake were at 100 percent of capacity by April 30, however.

Cool weather prevailed over eastern New York during May. Air temperatures were 1 to 2°F below normal, and most areas received normal rainfall. The western Adrondack Mountain region was the wettest with rainfall about 2 inches above normal. Leaf emergence triggered transpiration and, combined with the dry soils, caused streamflow to decline to about an inch below normal in most areas. In the northwest however, streamflows of West Branch Oswegatche River and Independence River at Donnattsburg were 2 to 3 inches above normal, respectively. Reservoir contents remained near 100 percent of capacity.

June temperatures in eastern New York were about 1 to 2°F below normal , except in the northern areas where they were about normal. Rainfall was quite variable and amounts ranged from about 8 inches (200% of normal) in extreme southeastern areas to 3 inches (about 1 inch below normal) in the Adirondack Mountain region. Runoff south of the Mohawk River was about 200 percent of normal, but was normal from there northward. Reservoir contents in the New York City system remained about 100 percent of capacity, and the Great Sacandaga Lake contents were above normal at 85 percent of capacity.

Air temperatures in July were normal, and rainfall were within an inch of normal. Streamflow decreased but remained near normal. Reservoir contents decreased about 10 percent but stayed within the normal range.

August monthly mean temperatures ranged from 2 to 4°F above normal but readings rarely exceeded 90°F. Rainfall was slightly above normal except in the Catskill Mountains and lower Hudson Valley, where it was 150 percent of normal. A weather station near Slide Mountain in Ulster County received 11 inches of rain during August. Consequently, runoff south of the Mohawk River was well above normal. New August monthly maximum discharges were recorded at two stations in the Catskill Mountains. Reservoir contents were near capacity in the New York City reservoir system, and about 15 percent above normal in the Great Sacandaga Lake.

Air temperature in September was about 2°F warmer than normal. The region south of the Adirondack Mountains was fairly wet; the Catskill Mountains and lower Hudson River Valley received more than 9 inches of rainfall--twice the normal amount. In contrast, the St. Lawrence River and Lake Champlain Valleys received only about 3 inches of rain. The New York City reservoir contents were about 15 percent below normal for September, whereas the Great Sacandaga Lake contents remained normal. The antecedent moisture from August combined with this month's abundant rainfall resulted in record September monthly discharges at several long-term streamflow-gaging stations in the Catskill Mountain region as shown in the following table.

Station number and name	Period of record	Previous September maximum of record Discharge (ft^3/s)	Water year	New September maximum of record (ft^3/s)
01365000 Rondout Cr nr Lowes Corners	1937-	185	1987	243
01414500 Mill Bk nr Dunraven	1937-	116	1938	166
01417500 East Br Delaware R at Harvard	*1955-	653	1964	1,524
01420500 Beaver Kill nr Cooks Falls	1913-	946	1938	1,521
01420980 East Br Delaware R abv Read Cr at Fishs Eddy	*1955-	1,838	1960	3,386
01434025 Biscuit Bk abv Pigeon Bk nr Frost Valley	1983-	17.4	1987	27.0
01435000 Neversink R nr Claryville	1937-49, 1951-	336	1979	504

* Since construction of Pepacton Reservoir.

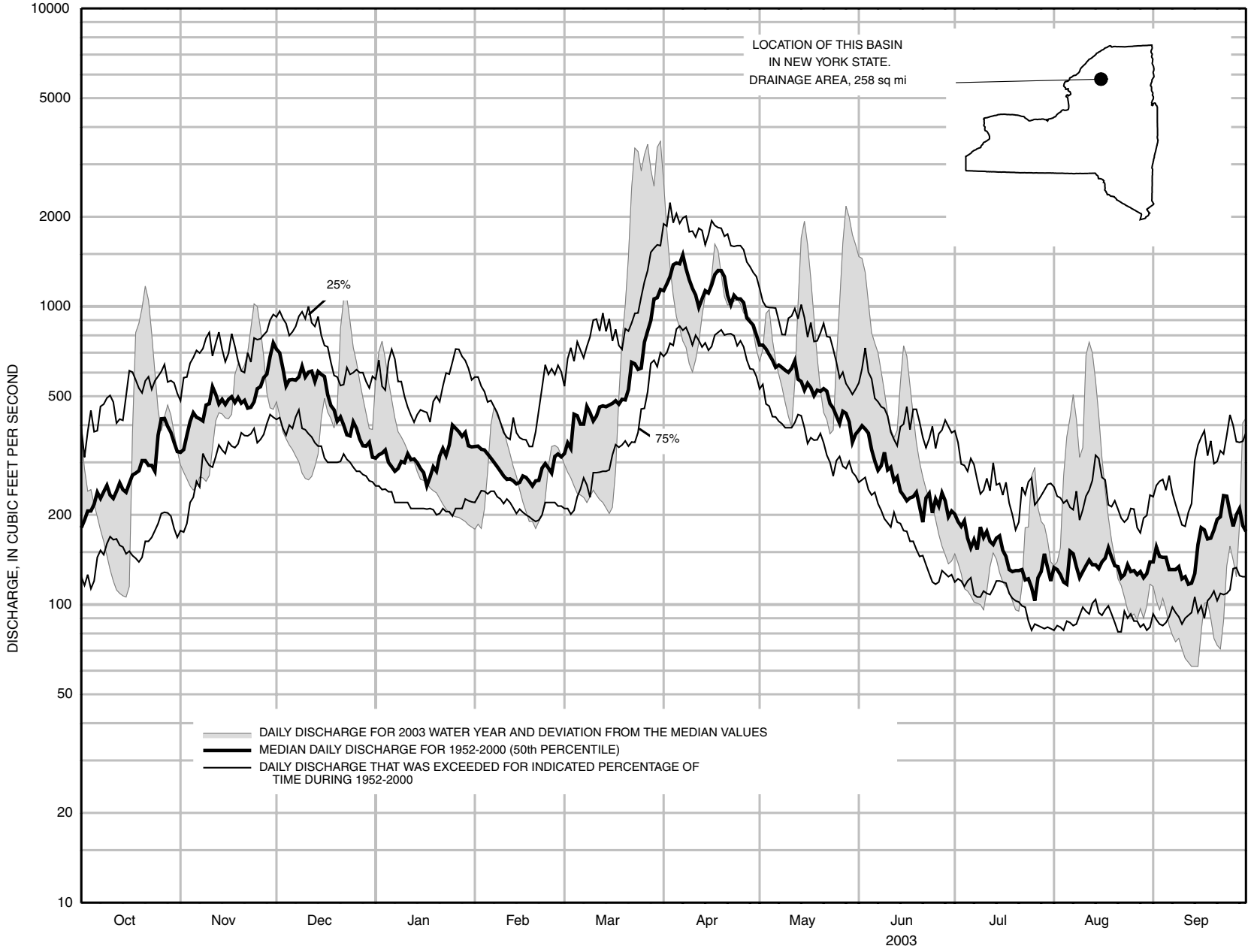


FIGURE 4.--HYDROGRAPHIC COMPARISONS, WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, NY

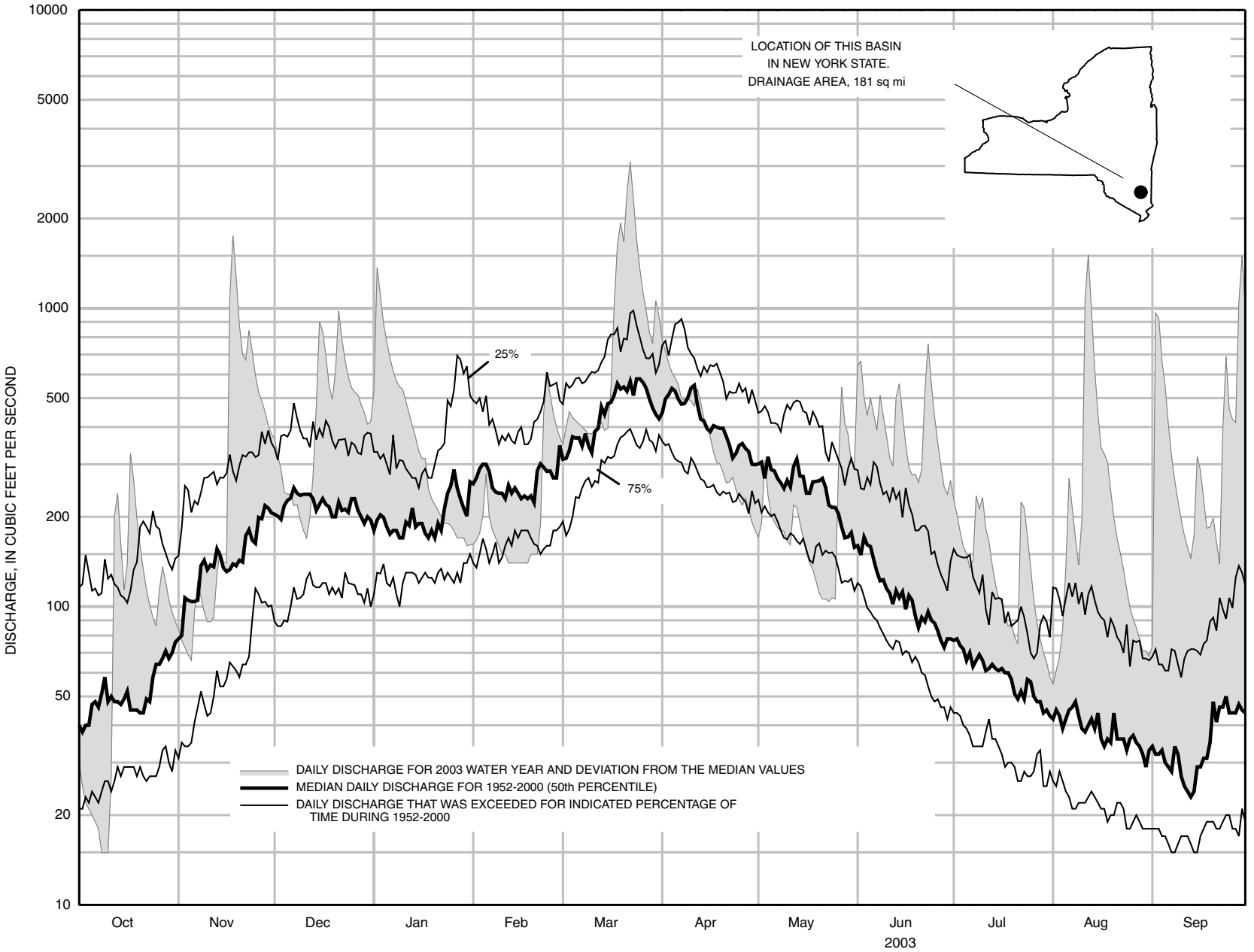


FIGURE 5.--HYDROGRAPHIC COMPARISONS, WAPPINGER CREEK NEAR WAPPINGERS FALLS, NY

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

Water Quality

The water-quality data presented herein include water temperature, specific conductance, and concentrations of nutrients, major ions, pesticides, and sediment at selected ground-water and surface-water sites in New York State. Additional water-quality data are periodically collected for other programs or projects and are usually published in separate project reports.

Data on water-surface elevation, specific conductance, and water temperature were collected from three sites in the Hudson River estuary (below Poughkeepsie, at South Dock at West Point, and south of Hastings-on-Hudson) and were analyzed to locate the salt front (saltwater/freshwater interface), defined as the location where the specific conductance is 500 microsiemens per centimeter at 25.0°C (µS/cm). Water-surface elevation, specific conductance, and temperature at all three sites were within the ranges reported for period of record (1991-2003 for West Point; 1992-2003 for Poughkeepsie and Hastings-on-Hudson). The salt front in 2003 moved from less than 10 to 77 miles upstream from the Battery in New York City—a range of more than 67 miles. This upstream movement has been exceeded four times during 11 years of data collection; in 1995 the salt front moved as far as 82 miles upstream from the Battery.

Daily minimum, maximum, and mean water-temperature data were collected at seven sites in the Hudson River Basin and at 12 sites in the Delaware River Basin. The maximum recorded water temperature at sites in the Hudson River Basin was 28.5°C on August 22 at the Hudson River south of Hastings-on-Hudson; the maximum recorded water temperature at sites in the Delaware River Basin was 29.0°C on July 6 and 8 at the Delaware River above Lackawaxen River near Barryville. Water temperatures at all sites were within the ranges reported for the period of record, except Patroon Creek above Northern Boulevard at Albany, which is a new site.

Daily sediment-concentration samples were collected throughout the year in the Hudson River at Waterford to monitor movement of sediment in the upper Hudson River basin. Daily mean suspended-sediment discharges were within the reported range for the period of record (1977-2002).

Data collected for the Hudson River Basin National Water-Quality Assessment program document the physical properties of surface water at four surface-water sites in the basin and the concentrations of pesticides, sediment, nutrients, and major ions. Data collected for the Statewide Pesticide Monitoring Project document the concentrations of pesticides and pesticide-degradation products at 6 ground-water sites and 10 surface-water sites statewide and are published in volume 3 (western New York). Data collected at 10 sites on reservoirs for the New York City Reservoir Pesticide Monitoring Project characterize pesticide concentrations in water used for public drinking-water supplies. Data from the Croton Pesticide Monitoring Project document the concentrations of pesticides and pesticide-degradation products of 30 surface-water sites in the Croton River basin that receive urban and residential runoff.

Suspended-sediment concentration samples were collected at the Hudson River below Poughkeepsie in cooperation with the New York State Department of Environmental Conservation for the Poughkeepsie sediment project. Data were collected to document suspended sediment concentrations at a wide range of stream flow conditions.

Ground Water

Ground-water levels in shallow, water-table aquifers under natural (non-pumping) conditions in eastern New York typically show a seasonal pattern of change during the water year. Water levels rise in response to aquifer recharge from precipitation. Rates of aquifer recharge vary locally and are affected by many factors, including the timing and amount of precipitation, the rate of evapotranspiration, the soil-moisture content, and the amount of runoff. Evapotranspiration includes physical evaporation, transpiration by vegetation, and ground-water evapotranspiration. Recharge typically is greatest during the late fall and from early to mid-spring, when transpiration is minimal, and the ground is not frozen. Water levels rise during the spring in response to recharge and generally exceed those that occur in the fall, primarily because the melting snowpack provides additional recharge. Water levels decline during the late spring and summer, when plant growth and water temperatures increase the rate of evapotranspiration. Storms, if of sufficient intensity and duration, can provide minor recharge to shallow aquifers during summer. Precipitation in New York is (on the average) evenly distributed by month; thus, the annual summer decline in ground-water levels is due primarily to the decrease in recharge that results from increased evapotranspiration.

Confined aquifers are less responsive to recharge events than water-table aquifers. Water levels in confined aquifers generally show a subdued and delayed water-level response to recharge events because their hydraulic connection to the overlying unconfined aquifers is indirect. Changes in atmospheric pressure can cause transient, but significant, water-level changes in wells that tap confined aquifers.

During the 2003 water year, ground-water levels generally were near or above long-term medians. Minimum, maximum, and median long-term monthly water levels and water levels during the 2003 water year at seven selected observation wells are plotted in hydrographs in figure 6. The hydrographs for well A-654 in Albany County (east-central New York) and well Du-1009 in Dutchess County (southeastern New York) illustrate seasonal water-level fluctuations in water-table, sand and gravel aquifers. Water levels in well A-654 were above the median most of the 2003 water year, except during October and November when levels were at or below the median. Water levels in well Du-1009 were above the median for most of the water year except during February and May when levels were at or below the median. In November, December, and March, new monthly maximum water levels were measured for the period-of-record in well Du-1009.

Well Oe-151 in Oneida County (northern New York), St-40 in St. Lawrence County (extreme northern New York), and W-533 in Washington County (east-central New York) also reflect seasonal fluctuations in water-table, sand and gravel aquifers. Water levels in well Oe-151 were at or below the median during the water year except April through August, when levels were above the median. Water levels in well St-40 were at or above the median for the water year, except during February and September when they were below the median. Water levels in well W-533 were at the median for the water year except for November and March when they were above the median. In November, a new monthly maximum water level was measured for the period of record in well W-533.

Water-level conditions at well Cl-145 in Clinton County (extreme northeastern New York) and Ro-18 in Rockland County (southeastern New York) illustrate seasonal fluctuations in semi-confined, bedrock aquifers. Water levels in well Cl-145 were below the median during most of the water year except in May, August, and September, when they were at or above the median. In March, a new monthly minimum water level was measured for the period of record in well Cl-145. Water levels in Ro-18 were at or below the median for most of the water year except in June and September. In March, a new monthly maximum water level was measured for the period of record in well Ro-18.

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

WATER LEVEL IN FEET BELOW LAND SURFACE DATUM

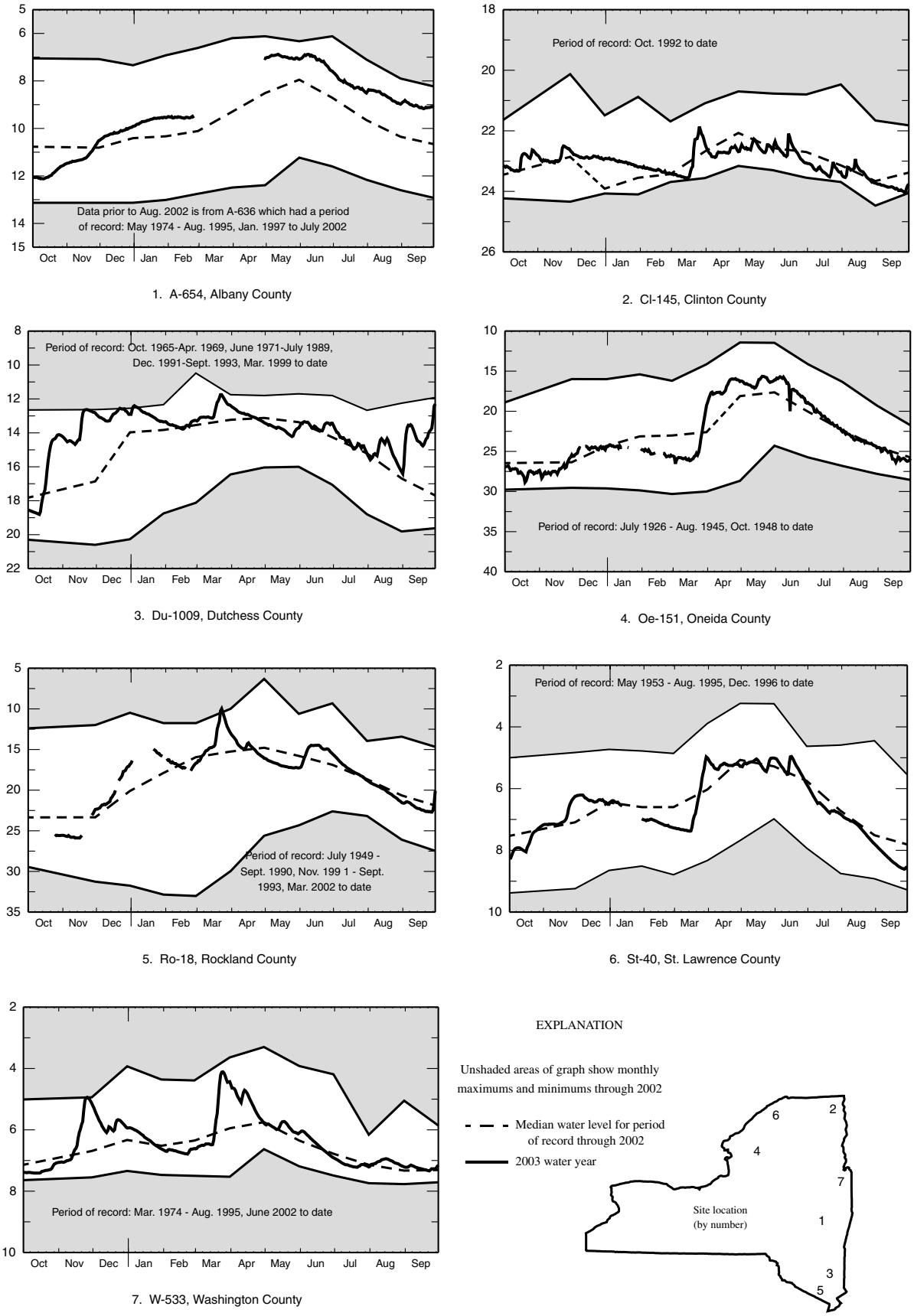


Figure 6.--Ground-water levels at selected observation wells in eastern New York.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from *http://water.usgs.gov/hbn/*.

National Stream-Quality Accounting Network (NASQAN) is a network of sites used to monitor the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande River basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia Rivers so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment (NAWQA) Program; (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program may be accessed from *http://water.usgs.gov/nasqan/*.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) is a network of monitoring sites that provide continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead Federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from this network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as data from the individual sites, may be accessed from *http://bqs.usgs.gov/acidrain/*.

The USGS National Water-Quality Assessment (NAWQA) Program is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents is measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for water-resources managers to use in making decisions and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and Federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water-resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program may be accessed from *http://water.usgs.gov/nawqa/*.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from *http://water.usgs.gov/nsip/*.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2003 water year that began October 1, 2002, and ended September 30, 2003. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data, and ground-water level data. The locations of the stations and wells where the data were collected are shown in figure 8. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells.

Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the triburary on which each station is situated.

The station identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations, miscellaneous sites, and other stations; therefore, the station number for a partial-record station or a miscellaneous site indicates downstream-order position in a list made up of all types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 01300500, includes the 2-digit part number "01" plus the 6-digit downstream-order number "300500". The Part number designates the major river basin. In a few instances where no gaps were left in the 8-digit numbering sequence, one or two digits were added (making a 9 or 10-digit station number) and/or a latitude-longitude number was used for identification.

Latitude-Longitude System

The identification numbers for wells are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells within a 1-second grid. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure 7 below.) (A local well-numbering system is also used. It is a 2-part identifier, consisting of the abbreviation of county name and the serial number within the county.)

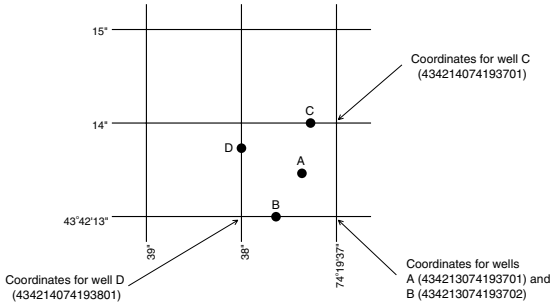


Figure 7. System for numbering wells (latitude and longitude)

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Locations of all gaging stations and observation wells in this report are shown in figure 8.

Data Collection and Computation

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the luctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow-over-dams

or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by hydrographers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed. If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic re-surveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, prior and subsequent record, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated from operator's log, prior and subsequent records, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1993 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table. This change represents the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual and daily flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; extremes; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for some stations, were determined and used by the U.S. Army Corps of Engineers or other agencies.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Because of new information, published records occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to NGVD of 1929 (see Definition of Terms), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily discharge will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a REMARKS paragraph is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, and to conditions

that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the U.S. Geological Survey by a cooperating organization are identified here.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. Only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour Eastern Standard Time at all sites unless otherwise noted. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District Office (address given on the back of the title page of this report) to determine if the published records were ever revised after the station was discontinued. Of course, if the data for a discontinued station were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Data table of daily mean values

The daily table for stream-gaging stations gives the mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for each month. Discharge for the month also isusually expressed in cubic feet per second per square mile (line headed "CFSM"); or in inches (line headed "IN."); or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and(or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS __-__, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly and daily flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS __-__," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the manuscript. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the manuscript or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM, $(ft^3/s)/mi^2$) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES, in.) as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Hydrographs

Hydrographs of daily flows at water-discharge stations follow the summary statistics tabulation. These hydrographs show the current water year daily discharges and their relation to the maximum, minimum, and median of record (see years used for the statistical summary) through the previous water year for sites with more than 5 years of record. The hydrograph for sites with 5 years of record or less will only show daily discharges for the current water year. A log scale is used for all hydrographs and therefore, zero daily flows are plotted as 0.001 ft^3/s.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is 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. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. 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. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol “e” and printing a table footnote, “e Estimated,” or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow data depends primarily on: (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The degree of accuracy of the records is indicated under “REMARKS.” “Excellent” means that about 95 percent of the daily discharges

are within 5 percent; "good," within 10 percent; and "fair," within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy. Different accuracies may be attributed to different parts of a given record.

Figures of daily mean discharge in this report are generally shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites. In some instances, a small-area research gaging station monitored by special instrumentation may record daily discharge to thousandths of a cubic foot per second.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Records Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge-measurement notes, gage-height records, and rating tables is on file in the district office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made. Information on the availability of unpublished data or statistical analyses of the published records may be obtained from the district office.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Historical and current dissolved trace-element concentrations are reported herein for water that was collected, processed, and analyzed by using either ultraclean or other than ultraclean techniques. If ultraclean techniques were used, then those concentrations are reported in nanograms per liter. If other than ultraclean techniques were used, then those concentrations are reported in micrograms per liter and could reflect contamination introduced during some phase of the procedure.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of discrete values recorded at short intervals. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, unless otherwise footnoted under "REMARKS". Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites. Data for precipitation-quality stations appear next. The table of ground-water quality data follow the ground-water level records. Data for quality of ground water are listed alphabetically by County, and are identified by well number. Data collected at miscellaneous sites and ground-water quality for the NAWQA program appear last.

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed collecting the samples, treating the samples to prevent changes in quality pending analysis, and shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. A1, A3, and A4; Book 9, Chap. A1-A9. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District office.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the

collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon measurements recorded hourly or more frequently. More detailed records (hourly values) may be obtained from the District office.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures and/or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the District office.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

Laboratory Measurements

Samples for indicator bacteria and daily samples for specific conductance are analyzed locally. Sediment samples are analyzed in the Geological Survey laboratory in Louisville, KY. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colo., unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratories are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of “daily values” of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under “Records of Stage and Water Discharge;” same comments apply.

DRAINAGE AREA.--See Data Presentation under “Records of Stage and Water Discharge;” same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more requently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made in the U.S. Geological Survey's distributed data system, NWIS, and subsequently to its web-based National data system, NWISWeb [http://water.usgs.gov/nwis/nwis]. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to insure the most recent updates. Updates to NWISWeb are currently made on an annual basis.

The surface-water-quality records for miscellaneous sampling sites are published in a separate table following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Categories of Water-Quality Data

There is a broad range of water-quality parameters available for most stations whose record exceeds more than a few years operation. Sampling schedules are often intermittent for certain types of data, with analyses available for some but not all years within a station's period of record. An accurate description of the variety of data available is shown by grouping similar parameters into a few general categories, which are listed in the "PERIOD OF RECORD" paragraph. Each category of data is followed by a notation of the water year(s) for which data is available and a letter code describing the frequency of sampling (see following section, "Frequency-of-Sampling Notation"). Thus, "CHEMICAL DATA: 1972-74(c), 1977-81(a).", shows there are at least six analyses each year for the first three years of record, no data for this category in 1975 and 1976, and 1 or 2 samples for each year, 1977-81.

The "PERIOD OF RECORD" paragraph lists the following categories of data to describe information available.

CHEMICAL DATA: Usually includes most of the "major ions", and may often include some of the following physical properties: specific conductance, pH, temperature, color, turbidity, dissolved oxygen.

MINOR ELEMENT DATA: Comprises the "heavy metals" and some of the "alkaline earth" groups. Determinations often include some but not all of the following: Al, As, Ba, Cd, Cr, Co, Cu, Hg, Li, Ni, Pb, Se, Sn, Sr, Zn.

RADIOCHEMICAL DATA: The determinations of the concentration of individual radioactive elements, such as radium 226, cobalt 60, strontium 90, and tritium. This category also includes the gross measurement of radioactivity (alpha, beta, gamma) without regard to the radiochemical species that produce the radioactivity.

PESTICIDE DATA: The organic compounds (insecticides and herbicides) used to control insects and plants. Routinely, the analyses searches for traces of between 12 to 22 compounds.

ORGANIC DATA: Organic data (other than pesticides) such as, OC, PCB, PCN.

NUTRIENT DATA: Constituents containing nitrogen or phosphorus. Results usually include several of the following: nitrite plus nitrate, phosphorus, ammonia nitrogen, organic nitrogen, ammonia nitrogen plus organic nitrogen (Kjeldahl nitrogen).

BIOLOGICAL DATA: The identification and concentration of microscopic plant organisms (phytoplankton, periphyton), or enteric bacteria (total coliform, fecal coliform, or fecal streptococcal) living in aquatic habitats.

SEDIMENT DATA: Suspended-sediment concentration, suspended-sediment discharge, and particle-size data for discrete samples.

Frequency-of-Sampling Notation

The categories of data given in the "PERIOD OF RECORD" paragraph are followed by the water year(s) for which that kind of data was collected. The amount of data available is specified by the following letter codes:

(a) 1 or 2 samples per year	(c) 6 to 9 samples per year	(e) more than 20 samples per year
(b) 3 to 5 samples per year	(d) 10 to 20 samples per year	

Dissolved Trace-Element Concentrations

NOTE.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (ug/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the ug/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

Change in National Trends Network Procedures

NOTE.--Sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences based on a special intercomparison study is available from the NADP Program Office, Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820-7495 (217/333-7873).

Remarks Codes

The following remark codes may appear with the water-quality data in this section:

Printed Output	Remark
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Quality-control Data

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. The various types of QC samples are described below.

BLANK SAMPLES--Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated by the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. There are many types of blank samples possible, each designed to segregate a different part of the overall data-collection process. The types of blank samples are:

Source solution blank--a blank solution that is transferred to a sample bottle in an area of the office laboratory with an atmosphere that is relatively clean and protected with respect to target analytes.

Ambient blank--a blank solution that is put in the same type of bottle used for an environmental sample, kept with the set of sample bottles before sample collection, and opened at the site and exposed to the ambient conditions.

Field blank--a blank solution that is subjected to all aspects of sample collection, field processing presevation, transportation, and laboratory handling as an environmental sample.

Trip blank--a blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank--a blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank--a blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Pump blank--a blank solution that is processed through the same pump-and-tubing system used for an environmental sample.

Standpipe blank--a blank solution that is poured from the containment vessel (stand-pipe) before the pump is inserted to obtain the pump blank.

Filter blank--a blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank--a blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank--a blank solution that is treated with the sampler preservatives used for an environmental sample.

Canister blank--a blank solution that is taken directly from a stainless steel canister just before the VOC sampler is submerged to obtain a field blank sample.

REFERENCE SAMPLES--Reference material is a solution or material prepared by a laboratory whose composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

REPLICATE SAMPLES--Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. There are many types of replicate samples possible, each of which may yield slightly different results in a dynamic

hydrologic setting, such as a flowing stream. The types of replicate samples are:

Concurrent sample--a type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating collection of samples into two or more compositing containers.

Sequential sample--a type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample--a type of replicate sample in which a sample is split into subsamples contemporaneous in time and space.

SPIKE SAMPLES--Spike samples are samples to which known quantities of a solution with one or more well- established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

Concurrent sample--a type of spike sample that is collected at the same time with the same sampling and compositing devices then spiked with the same spike solution containing laboratory-certified concentrations of selected analytes.

Split sample--a type of spike sample in which a sample is split into subsamples contemporaneous in time and space then spiked with the same spike solution containing laboratory-certified concentrations of selected analytes.

Records of Ground-Water Levels

Ground-water level data consist of water-level measurements made in observation wells. Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. (See figure 7.)

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well; National Geodetic Vertical Datum of 1929 is the datum plane on which the national network of precise levels is based. If known, the elevation of the land-surface datum above National Geodetic Vertical Datum of 1929 is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported as mean daily values, and the extremes are instantaneous values selected from the digital record. Water levels in wells not equipped with recording gages are read periodically or measured periodically with a weighted tape by U.S. Geological Survey personnel and/or an observer.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot.

Data Presentation

Each well record consists of three parts, the station description, the data table of water levels observed during the water year, and the 10-year hydrograph. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on weekly, monthly, or some other frequency of measurement.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) NGVD of 1929; it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells, and may be used to acknowledge the assistance of local (non-Survey) observers.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of record, with respect to land-surface datum, and the dates of their occurrence.

A table of water levels follows the station description for each well. Water levels are reported in feet below land-surface datum and all taped measurements of water level are listed for wells without recorders. The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the table for wells with recorders. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

A hydrograph of water levels follows the data table for each well. The current year and the previous 9 years of record are plotted in feet below land-surface datum. If the period of record is less than 10 years, the water levels for the entire record are plotted.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as part of special studies in specific areas. Consequently, a number of chemical analyses are presented for one county, but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the “U.S. Geological Survey Techniques of Water-Resources Investigations” manuals listed on a following page. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published in a section titled QUALITY OF GROUND WATER immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by County, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO USGS WATER DATA

The U.S. Geological Survey provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the world wide web (WWW). These data may be accessed at:

http://water.usgs.gov

Some water-quality and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division District offices. (See address on the back of the title page.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from *http://water.usgs.gov/glossaries.html*.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an "unfiltered" sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also "Annual runoff")

Adenosine triphosphate (ATP) is an organic, phosphate-rich compound important in the transfer of energy in organisms. Its central role in living cells makes ATP an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

Adjusted discharge is discharge data that have been mathematically adjusted (for example, to remove the effects of a daily tide cycle or reservoir storage).

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample. (See also "Biomass" and "Dry weight")

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

Annual runoff is the total quantity of water that is discharged ("runs off") from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 through September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day, 10-year low-flow statistic.)

Aroclor is the registered trademark for a group of poly-chlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type, and the last two digits represent the percentage weight of the hydrogen-substituted chlorine.

Artificial substrate is a device that purposely is placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is collected. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection. (See also "Substrate")

Ash mass is the mass or amount of residue present after the residue from a dry-mass determination has been ashed in a muffle furnace at a temperature of 500 °C for 1 hour. Ash mass of zooplankton and phytoplankton is expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2). (See also "Biomass" and "Dry mass")

Aspect is the direction toward which a slope faces with respect to the compass.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, whereas others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Bankfull stage, as used in this report, is the stage at which a stream first overflows its natural banks formed by floods with 1- to 3-year recurrence intervals.

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peak flows per year will be published. (See also "Peak flow")

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bed material is the sediment mixture of which a stream-bed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Bedload is material in transport that primarily is supported by the streambed. In this report, bedload is considered to consist of par-

ticles in transit from the bed to the top of the bedload sampler nozzle (an elevation ranging from 0.25 to 0.5 foot). These particles are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler also may contain a component of the suspended load.

Bedload discharge (tons per day) is the rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload," "Dry weight," "Sediment," and "Suspended-sediment discharge")

Benthic organisms are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as mass per unit area or volume of habitat.

Biomass pigment ratio is an indicator of the total proportion of periphyton that are autotrophic (plants). This also is called the Autotrophic Index.

Blue-green algae (*Cyanophyta*) are a group of phytoplankton and periphyton organisms with a blue pigment in addition to a green pigment called chlorophyll. Blue-green algae can cause nuisance water-quality conditions in lakes and slow-flowing rivers; however, they are found commonly in streams throughout the year. The abundance of blue-green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (μm^3/mL). The abundance of blue-green algae in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu m^3/cm^2$). (See also "Phytoplankton"and "Periphyton")

Bottom material (See "Bed material")

Bulk electrical conductivity is the combined electrical conductivity of all material within a doughnut-shaped volume surrounding an induction probe. Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved-solids content of the pore water, and the lithology and porosity of the rock.

Canadian Geodetic Vertical Datum 1928 is a geodetic datum derived from a general adjustment of Canada's first order level network in 1928.

Cell volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are used frequently in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements or cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

$$\text{sphere } 4/3\ \pi r^3 \quad \text{cone } 1/3\ \pi r^2 h \quad \text{cylinder } \pi r^2 h.$$

pi (π) is the ratio of the circumference to the diameter of a circle; pi = 3.14159….

From cell volume, total algal biomass expressed as biovolume (μm^3/mL) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes for all species.

Cells/volume refers to the number of cells of any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, and generally are reported as cells or units per milliliter (mL) or liter (L).

Cfs-day (See "Cubic foot per second-day")

Channel bars, as used in this report, are the lowest prominent geomorphic features higher than the channel bed.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also "Biochemical oxygen demand (BOD)"]

Clostridium perfringens *(C. perfringens)* is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and the presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of water and of the survival and transport of viruses in the environment.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable bound-aries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

Control designates a feature in the channel that physically affects the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure, as used in this report, is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-foot" sometimes is used synonymously with "cubic foot per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [$(ft^3/s)/d$]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily mean discharges reported in the daily value data tables numerically are equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, $(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted mean concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Sediment" and "Suspended-sediment concentration")

Daily record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to data collection on a daily or near-daily basis.

Data collection platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data usually are downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or Universal Transverse Mercator (UTM) coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms *(Bacillariophyta)* are unicellular or colonial algae with a siliceous cell wall. The abundance of diatoms in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (μm^3/mL). The abundance of diatoms in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu m^3/cm^2$). (See also "Phytoplankton" and "Periphyton")

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or **flow**, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediment or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, and so forth, within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents, such as suspended sediment, bedload, and dissolved or suspended chemicals, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i \approx 1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n},$$

where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth's surface that contains a drainage system with a common outlet for its surface runoff. (See "Drainage area")

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass. (See also "Ash mass," "Biomass," and "Wet mass")

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 ˚C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue. (See also "Wet weight")

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles. (See also "Substrate embeddedness class")

Enterococcus bacteria commonly are found in the feces of humans and other warmblooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on mE agar (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis, Streptococcus feacium, Streptococcus avium,* and their variants. (See also "Bacteria")

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that generally are considered pollution sensitive; the index usually decreases with pollution.

Escherichia coli *(E. coli)* are bacteria present in the intestine and feces of warmblooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 ˚C on mTEC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Estimated (E) value of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an E code will be reported with the value. If the analyte is identified qualitatively as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an E code even though the measured value is greater than the MDL. A value reported with an E code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<). For bacteriological data, concentrations are reported as estimated when results are based on non-ideal colony counts.

Euglenoids (*Euglenophyta*) are a group of algae that usually are free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark. (See also "Phytoplankton")

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semivolatile and extractable by ethyl acetate from air-dried streambed sediment. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediment.

Fecal coliform bacteria are present in the intestines or feces of warmblooded animals. They often are used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C plus or minus 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fecal streptococcal bacteria are present in the intestines of warmblooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also "Phytoplankton")

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly greater than the maximum depth of water. Because the gage datum is not an actual physical object, the datum is usually defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any national geodetic datum. However, if the elevation of the gage datum relative to the national datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the national datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height often is used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted, and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

Gaging station is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained.

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Geomorphic channel units, as used in this report, are fluvial geomorphic descriptors of channel shape and stream velocity. Pools, riffles, and runs are types of geomorphic channel units considered for National Water-Quality Assessment (NAWQA) Program habitat sampling.

Green algae *(Chlorophyta)* are unicellular or colonial algae with chlorophyll pigments similar to those in terrestrial green plants. Some forms of green algae produce mats or floating "moss" in lakes. The abundance of green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (μm^3/mL). The abundance of green algae in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu m^3/cm^2$). (See also "Phytoplankton" and "Periphyton")

Habitat, as used in this report, includes all nonliving (physical) aspects of the aquatic ecosystem, although living components like aquatic macrophytes and riparian vegetation also are usually included. Measurements of habitat typically are made over a wider geographic scale than are measurements of species distribution.

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

Hardness of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. *See NOAA Web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution that uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = sum\frac{(n)(a)}{N},$$

where n is the number of individuals of each taxon, a is the tolerance value of each taxon, and N is the total number of organisms in the sample.

Horizontal datum (See "Datum")

Hydrologic index stations referred to in this report are continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the USGS. Each hydrologic unit is identified by an 8-digit number.

Inch (IN., in.), in reference to streamflow, as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were distributed uniformly on it. (See also "Annual runoff")

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

International Boundary Commission Survey Datum refers to a geodetic datum established at numerous monuments along the United States-Canada boundary by the International Boundary Commission.

Island, as used in this report, is a mid-channel bar that has permanent woody vegetation, is flooded once a year, on average, and remains stable except during large flood events.

Laboratory reporting level (LRL) generally is equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a nondetection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which

the analyte was not detected. The National Water Quality Laboratory (NWQL) collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually on the basis of the most current quality-control data and, therefore, may change. The LRL replaces the term 'non-detection value' (NDV).

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that converts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation:

$$I = I_o e^{-\lambda L},$$

where I_o is the source light intensity, I is the light intensity at length L (in meters) from the source, λ is the light-attenuation coefficient, and e is the base of the natural logarithm. The light-attenuation coefficient is defined as

$$\lambda = -\frac{1}{L}\log_e \frac{I}{I_o}.$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Long-term method detection level (LT-MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike-sample measurements over an extended period of time. LT-MDL data are collected on a continuous basis to assess year-to-year variations in the LT-MDL. The LT-MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT-MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. *See NOAA Web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that usually are arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period. (See also "Discharge")

Mean high or **low tide** is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also "Datum")

Measuring point (MP) is an arbitrary permanent reference point from which the distance to water surface in a well is measured to obtain water level.

Megahertz is a unit of frequency. One megahertz equals one million cycles per second.

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

Method of Cubatures is a method of computing discharge in tidal estuaries based on the conservation of mass equation.

Methylene blue active substances (MBAS) indicate the presence of detergents (anionic surfactants). The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

Micrograms per gram (UG/G, µg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, µg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One

thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

Microsiemens per centimeter (US/CM, µS/cm) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in water as the mass (milligrams) of constituent per unit volume (liter) of water. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the mass of dry sediment per liter of water-sediment mixture.

Minimum reporting level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method.

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

National Geodetic Vertical Datum of 1929 (NGVD 29) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It formerly was called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations**,** it does not necessarily represent local mean sea level at any particular place. *See NOAA Web site: http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88* (See "North American Vertical Datum of 1988")

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives. (See also "Substrate")

Nekton are the consumers in the aquatic environment and consist of large, free-swimming organisms that are capable of sustained, directed mobility.

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

North American Datum of 1927 (NAD 27) is the horizontal control datum for the United States that was defined by a location and azimuth on the Clarke spheroid of 1866.

North American Datum of 1983 (NAD 83) is the horizontal control datum for the United States, Canada, Mexico, and Central America that is based on the adjustment of 250,000 points including 600 satellite Doppler stations that constrain the system to a geocentric origin. NAD 83 has been officially adopted as the legal horizontal datum for the United States by the Federal government.

North American Vertical Datum of 1988 (NAVD 88) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the United States. This datum was established in 1991 by minimum-constraint adjustment of the Canadian**,** Mexican, and United States first-order terrestrial leveling networks.

Open or **screened interval** is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediment. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or **volatile mass** of a living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m^2), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter code is a 5-digit number used in the USGS computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method uses the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, sedigraph) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification, as used in this report, agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	>0.00024 - 0.004	Sedimentation
Silt	>0.004 - 0.062	Sedimentation
Sand	>0.062 - 2.0	Sedimentation/sieve
Gravel	>2.0 - 64.0	Sieve
Cobble	>64 - 256	Manual measurement
Boulder	>256	Manual measurement

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. For the sedimentation method, most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation of the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

Percent composition or **percent of total** is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, mass, or volume.

Percent shading is a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year but at a frequency insufficient to develop a daily record.

Periphyton is the assemblage of microorganisms attached to and living upon submerged solid surfaces. Although primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton are useful indicators of water quality.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7.0 standard units are termed "acidic," and solutions with a pH greater than 7.0 are termed "basic." Solutions with a pH of 7.0 are neutral. The presence and concentration of many dissolved chemical constituents found in water are affected, in part, by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms also are affected, in part, by the hydrogen-ion activity of water.

Phytoplankton is the plant part of the plankton. They usually are microscopic, and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and commonly are known as algae. (See also "Plankton")

Picocurie (PC, pCi) is one-trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Pool, as used in this report, is a small part of a stream reach with little velocity, commonly with water deeper than surrounding areas.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photo-synthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/time)] for phytoplankton. The carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light- and dark-bottle method and is preferred for use with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(m^3/time)] for phytoplankton. The oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light- and dark-bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Radioisotopes are isotopic forms of elements that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Reach, as used in this report, is a length of stream that is chosen to represent a uniform set of physical, chemical, and biological conditions within a segment. It is the principal sampling unit for collecting physical, chemical, and biological data.

Recoverable from bed (bottom) material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. (See also "Bed material")

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or nonexceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day, 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the nonexceedances of the $7Q_{10}$ occur less than 10 years after the previous nonexceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous nonexceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

Return period (See "Recurrence interval")

Riffle, as used in this report, is a shallow part of the stream where water flows swiftly over completely or partially submerged obstructions to produce surface agitation.

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council and typically is used to denote location along a river.

Run, as used in this report, is a relatively shallow part of a stream with moderate velocity and little or no surface turbulence.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin during a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also "Annual runoff")

Sea level, as used in this report, refers to one of the two commonly used national vertical datums (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Sensible heat flux (often used interchangeably with latent sensible heat-flux density) is the amount of heat energy that moves by tur-

bulent transport through the air across a specified cross-sectional area per unit time and goes to heating (cooling) the air. Usually expressed in watts per square meter.

Seven-day, 10-year low flow ($7Q_{10}$) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-term average. The recurrence interval of the $7Q_{10}$ is 10 years; the chance that the annual 7-day minimum flow will be less than the $7Q_{10}$ is 10 percent in any given year. (See also "Annual 7-day minimum" and "Recurrence interval")

Shelves, as used in this report, are streambank features extending nearly horizontally from the flood plain to the lower limit of persistent woody vegetation.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Soil heat flux (often used interchangeably with soil heat-flux density) is the amount of heat energy that moves by conduction across a specified cross-sectional area of soil per unit time and goes to heating (or cooling) the soil. Usually expressed in watts per square meter.

Soil-water content is the water lost from the soil upon drying to constant mass at 105 °C; expressed either as mass of water per unit mass of dry soil or as the volume of water per unit bulk volume of soil.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific water, to evaluate mixing of different water, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See "Gage height")

Stage-discharge relation is the relation between the water-surface elevation, termed stage (gage height), and the volume of water flowing in a channel per unit time.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Substrate embeddedness class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2 mm, sand or finer). Below are the class categories expressed as the percentage covered by fine sediment:

0	no gravel or larger substrate	3	26-50 percent
1	> 75 percent	4	5-25 percent
2	51-75 percent	5	< 5 percent

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 foot) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Surrogate is an analyte that behaves similarly to a target analyte, but that is highly unlikely to occur in a sample. A surrogate is added to a sample in known amounts before extraction and is measured with the same laboratory procedures used to measure the target analyte. Its purpose is to monitor method performance for an individual sample.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is defined operationally as the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment, and, thus, the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable" constituents are made either by directly analyzing the suspended mate-rial collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (See also "Sediment")

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 foot above the bed) expressed as milligrams of dry sediment per liter of water-sedi-

ment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also "Sediment" and "Suspended sediment")

Suspended-sediment discharge (tons/d) is the rate of sediment transport, as measured by dry mass or volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027. (See also "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also "Sediment")

Suspended solids, total residue at 105 °C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

Suspended, total is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total." Determinations of "suspended, total" constituents are made either by directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydro-logic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxa (Species) richness is the number of species (taxa) present in a defined area or sampling unit.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata,* is the following:

Kingdom:	Animal
Phylum:	Arthropeda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	*Hexagenia*
Species:	*Hexagenia limbata*

Thalweg is the line formed by connecting points of minimum streambed elevation (deepest part of the channel).

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table descriptions and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric ton per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined at least 95 percent of the constituent in the sample.)

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warmblooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C plus or minus 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample. (See also "Bacteria")

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term

needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total in bottom material is the amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total length (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume")

Total recoverable is the amount of a given constituent in a whole-water sample after a sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Bedload," "Bedload discharge," "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Total sediment load or **total load** is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material, whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also "Sediment," "Suspended-sediment load," and "Total load")

Transect, as used in this report, is a line across a stream perpendicular to the flow and along which measurements are taken, so that morphological and flow characteristics along the line are described from bank to bank. Unlike a cross section, no attempt is made to determine known elevation points along the line.

Turbidity is the reduction in the transparency of a solution because of the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to USEPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of path length of UV light through a sample.

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmospheric pressure. (See "Water-table aquifer")

Vertical datum (See "Datum")

Volatile organic compounds (VOCs) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and, subsequently, analyzed by gas chromatography. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They often are components of fuels, solvents, hydraulic fluids, paint thinners, and dry-cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human-health concern because many are toxic and are known or suspected human carcinogens.

Water table is that surface in a ground-water body at which the water pressure is equal to the atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which the water table is found.

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2002, is called the "2002 water year."

Watershed (See "Drainage basin")

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports. (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976.)

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average

approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

Wet mass is the mass of living matter plus contained water. (See also "Biomass" and "Dry mass")

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also "Dry weight")

WSP is used as an acronym for "Water-Supply Paper" in reference to previously published reports.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and often are large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers. (See also "Plankton")

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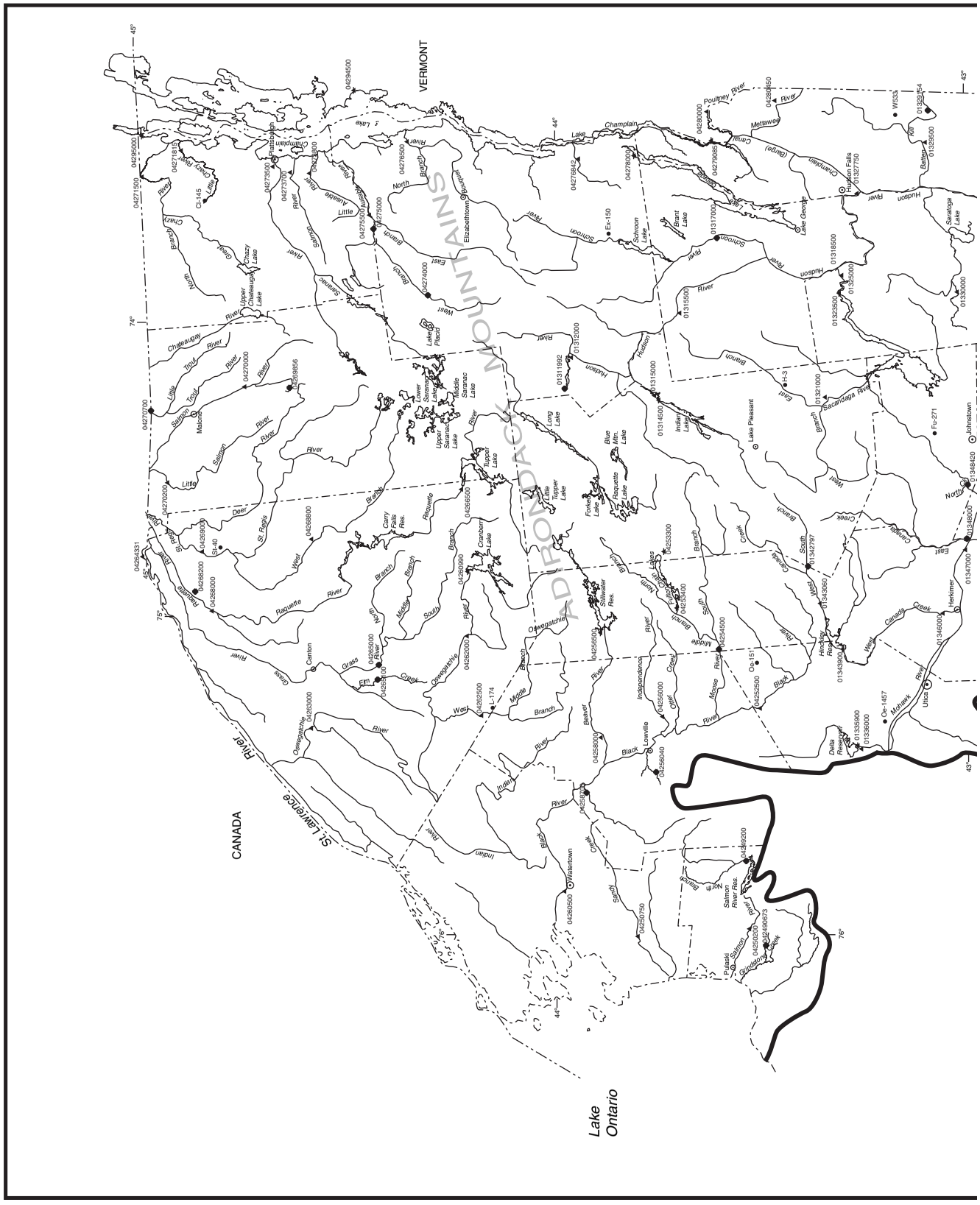
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CANADA
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Lake Ontario
Lake Champlain
Lake George
Saratoga Lake
Hudson River
Mohawk River
Oswegatchie River
Raquette River
Salmon River
Black River
Chateaugay River
Little Chazy River
Great Chazy River
Ausable River
Boquet River
Saranac River
Schroon River
Sacandaga River
Fulton Chain Lakes
Upper Chateaugay Lake
Lake Placid
Upper Saranac Lake
Middle Saranac Lake
Lower Saranac Lake
Long Lake
Tupper Lake
Blue Mtn. Lake
Indian Lake
Lake Pleasant
Forked Lake
Raquette Lake
Cranberry Lake
Carry Falls Res.
Stillwater Res.
Saranac Lake
Elizabethtown
Malone
Plattsburgh
Champlain
Watertown
Utica
Herkimer
Johnstown
Gloversville
Hudson Falls
Ticonderoga
Pulaski
Lowville
Delta Reservoir
Hinckley Reservoir
Salmon River Res.
Oe-151
Oe-1457
Fu-271
St-40
L-174
Ex-150
W535
Poultney River
Mettawee River
Batten Kill
Indian River
Independence River
Otter Creek
Canada Creek
East Canada Creek
West Canada Creek
South Branch Moose River
Middle Branch Moose River
North Branch Moose River
Middle Branch Grass River
North Branch Grass River
South Branch Grass River
East Branch Sacandaga River
West Branch Sacandaga River
East Branch Fish Creek
West Branch Fish Creek
Middle Branch Oswegatchie River
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Middle Branch Saranac River
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Middle Branch Independence River
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Middle Branch Otter Creek
East Branch Otter Creek
West Branch Otter Creek
Middle Branch Canada Creek
East Branch Canada Creek
West Branch Canada Creek
Middle Branch Hinckley Reservoir
East Branch Hinckley Reservoir
West Branch Hinckley Reservoir
Middle Branch Delta Reservoir
East Branch Delta Reservoir
West Branch Delta Reservoir
Middle Branch Mohawk River
East Branch Mohawk River
West Branch Mohawk River
Middle Branch Hudson River
East Branch Hudson River
West Branch Hudson River
Middle Branch Schroon River
East Branch Schroon River
West Branch Schroon River
Middle Branch Sacandaga River
East Branch Sacandaga River
West Branch Sacandaga River
Middle Branch Fish Creek
East Branch Fish Creek
West Branch Fish Creek
Middle Branch Oswegatchie River
East Branch Oswegatchie River
West

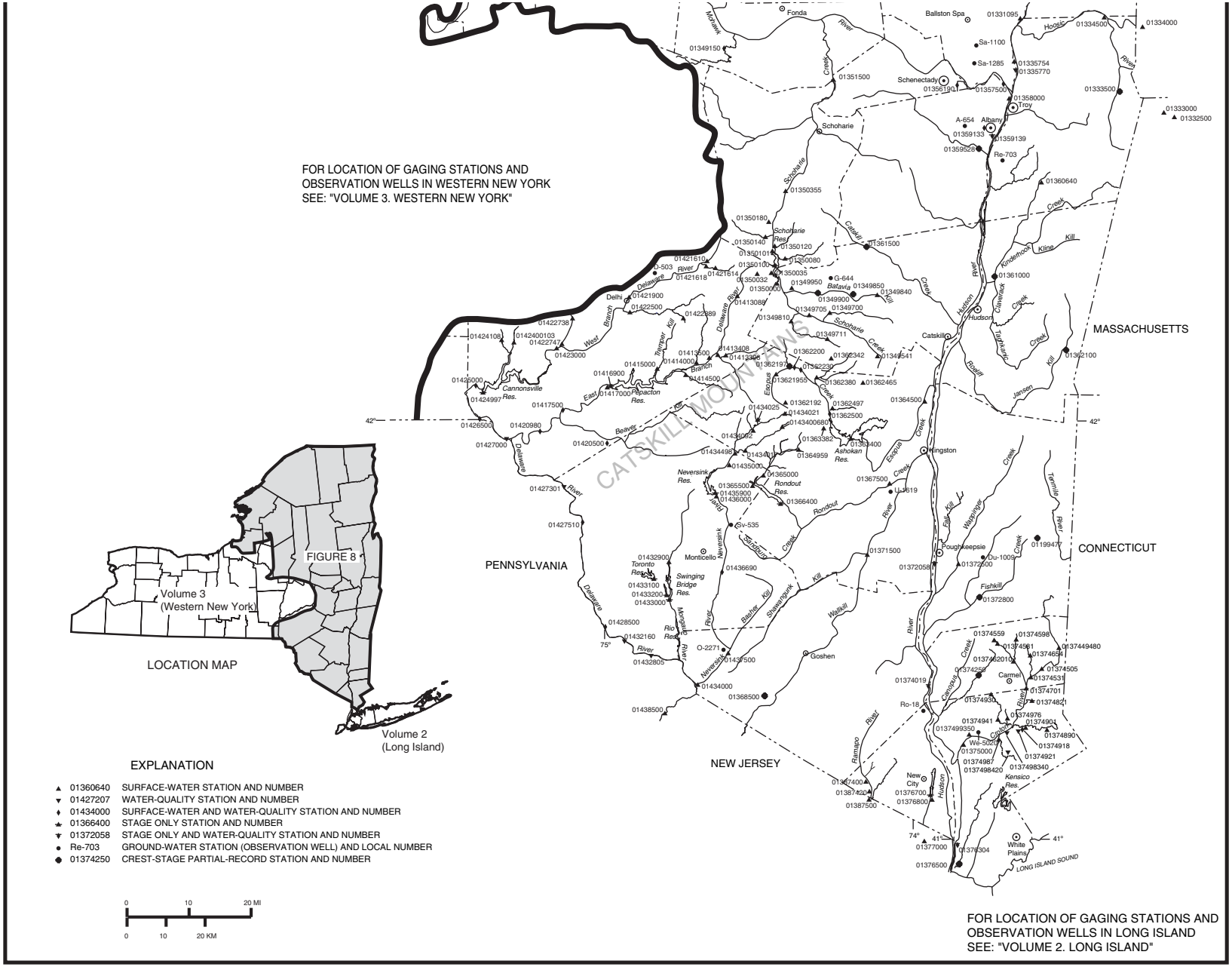


FIGURE 8.-- LOCATION OF GAGING STATIONS AND OBSERVATION WELLS

01312000 HUDSON RIVER NEAR NEWCOMB, NY

LOCATION.--Lat 43°57'58", long 74°07'52", Essex County, Hydrologic Unit 02020001, on left bank 25 ft upstream 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.

DRAINAGE AREA.--192 mi^2.

PERIOD OF RECORD.--October 1925 to September 1987, October 1987 to September 2002 (annual maximum only), October 2002 to current year.

REVISED RECORDS.--WSP 696: 1928(M). WSP 711: 1930 (m).

GAGE.--Water-stage recorder. Datum of gage is 1,550.38 ft above NGVD of 1929. Prior to August 6, 1931, nonrecording gage at site 180 ft downstream at same datum. August 6, 1931, to November 4, 1960, water-stage recorder on left bank at site 55 ft downstream at same datum. November 4, 1960, to December 5, 1996, water-stage recorder on right bank 55 ft downstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow slightly regulated by small reservoirs upstream from station. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft^3/s, Jan. 9, 1998, gage height, 12.84 ft; minimum discharge, 11 ft^3/s, Sept. 3, 1934; minimum gage height, 0.46 ft, Sept. 26, 27, 1964.

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)
Mar 30	2000	*2,870	*6.27	Apr 17	0530	2,730	6.12

Minimum discharge, 55 ft^3/s, July 10, gage height, 1.20 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	254	298	196	e100	132	1,760	1,070	832	119	131	219
2	223	236	267	222	e110	128	1,280	1,210	828	108	125	188
3	197	215	e240	241	108	123	982	1,810	721	98	118	167
4	177	197	e230	246	113	117	761	1,620	584	89	112	156
5	159	185	219	241	125	114	620	1,160	497	83	117	147
6	172	184	213	234	131	111	558	916	477	75	154	138
7	166	182	204	220	133	106	486	785	480	69	230	125
8	145	169	196	211	134	102	437	712	426	65	306	113
9	126	163	184	207	132	103	381	665	373	61	382	101
10	110	173	176	203	127	101	342	606	340	57	719	90
11	96	342	170	e190	124	99	344	550	312	64	973	84
12	86	806	170	e180	119	97	366	1,170	297	79	841	75
13	80	811	169	e170	115	95	475	2,080	303	86	655	69
14	77	713	170	e160	109	92	600	2,350	508	86	514	65
15	84	590	175	e150	104	91	754	2,230	836	84	406	63
16	94	487	e170	e140	100	91	1,890	1,700	692	84	327	67
17	360	424	e170	e130	99	97	2,650	1,230	523	84	271	70
18	651	404	169	e130	98	122	2,090	930	416	86	231	70
19	582	366	165	e130	98	160	1,510	718	350	81	201	67
20	875	329	166	e120	93	229	1,350	595	335	74	178	68
21	878	302	192	e110	91	367	1,680	525	315	70	159	70
22	592	286	272	e110	91	888	1,880	471	287	88	143	69
23	435	378	292	e110	100	1,470	2,120	408	263	121	129	97
24	344	526	271	e110	116	1,520	1,980	370	235	166	109	238
25	282	520	250	e100	131	1,370	1,460	383	209	182	96	239
26	260	468	239	e100	138	1,470	1,130	465	188	165	87	197
27	293	414	231	e96	142	1,830	1,190	600	171	145	81	171
28	338	349	219	e100	138	1,790	1,300	645	154	138	73	244
29	339	331	210	e100	---	1,830	1,330	866	140	135	83	741
30	310	316	198	e100	---	2,620	1,310	997	131	130	240	699
31	277	---	189	e100	---	2,540	---	935	---	134	264	---
TOTAL	9,089	11,120	6,484	4,857	3,219	20,005	35,016	30,772	12,223	3,106	8,455	4,907
MEAN	293	371	209	157	115	645	1,167	993	407	100	273	164
MAX	878	811	298	246	142	2,620	2,650	2,350	836	182	973	741
MIN	77	163	165	96	91	91	342	370	131	57	73	63
CFSM	1.53	1.93	1.09	0.82	0.60	3.36	6.08	5.17	2.12	0.52	1.42	0.85
IN.	1.76	2.15	1.26	0.94	0.62	3.88	6.78	5.96	2.37	0.60	1.64	0.95

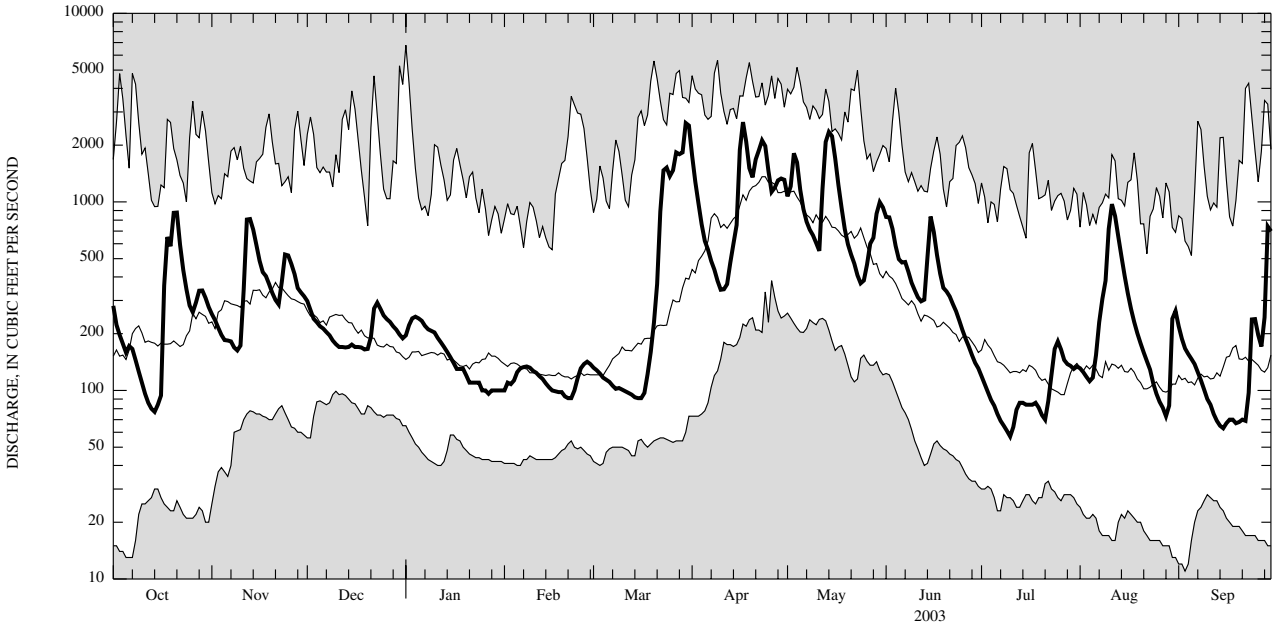
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2003, BY WATER YEAR (WY)

MEAN	303	384	311	228	184	382	1,165	894	338	194	182	217
MAX	1,169	978	866	818	906	1,342	1,898	2,055	1,165	643	517	805
(WY)	(1946)	(1928)	(1928)	(1949)	(1981)	(1936)	(1954)	(1947)	(1947)	(1972)	(1977)	(1938)
MIN	31.8	112	91.3	47.5	46.5	51.5	513	214	69.6	40.6	25.5	25.1
(WY)	(1965)	(1945)	(1931)	(1940)	(1940)	(1940)	(1946)	(1987)	(1941)	(1933)	(1934)	(1948)

01312000 HUDSON RIVER NEAR NEWCOMB, NY—Continued

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1926 - 2003	
ANNUAL TOTAL	149,253			
ANNUAL MEAN	409		399	
HIGHEST ANNUAL MEAN			639	1947
LOWEST ANNUAL MEAN			237	1965
HIGHEST DAILY MEAN	2,650	Apr 17	6,780	Jan 1, 1949
LOWEST DAILY MEAN	57	Jul 10	11	Sep 3, 1934
ANNUAL SEVEN-DAY MINIMUM	67	Jul 6	13	Aug 29, 1934
ANNUAL RUNOFF (CFSM)	2.13		2.08	
ANNUAL RUNOFF (INCHES)	28.92		28.22	
10 PERCENT EXCEEDS	1,090		952	
50 PERCENT EXCEEDS	201		208	
90 PERCENT EXCEEDS	87		72	

e Estimated



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.

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, 1,651.94 ft, May 14, contents, 4.796 bil ft^3; minimum observed, 1,636.78 ft, Mar. 12, contents, 2.229 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 ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,644.71	1,644.65	1,644.37	1,642.42	1,639.79	1,637.29	1,644.94	1,651.13	1,651.44	1,650.24	1,648.45	1,646.22
2	1,644.66	1,644.62	1,644.36	1,642.38	1,639.69	1,637.20	1,645.20	1,651.22	1,651.55	1,650.16	1,648.35	1,646.12
3	1,644.61	1,644.53	1,644.26	1,642.33	1,639.57	1,637.14	1,645.41	1,651.51	1,651.52	1,650.05	1,648.29	1,646.03
4	1,644.66	1,644.43	1,644.16	1,642.34	1,639.50	1,637.05	1,645.69	1,651.65	1,651.38	1,649.99	1,648.20	1,645.96
5	1,644.67	1,644.31	1,644.07	1,642.28	1,639.48	1,636.97	1,645.86	1,651.72	1,651.27	1,649.87	1,648.15	1,645.92
6	1,644.58	1,644.31	1,643.98	1,642.23	1,639.39	1,636.94	1,645.98	1,651.70	1,651.13	1,649.81	1,648.14	1,645.88
7	1,644.55	1,644.19	1,643.91	1,642.16	1,639.29	1,636.92	1,646.07	1,651.61	1,650.96	1,649.72	1,648.10	1,645.75
8	1,644.49	1,644.13	1,643.82	1,642.07	1,639.22	1,636.88	1,646.18	1,651.56	1,650.85	1,649.64	1,648.07	1,645.63
9	1,644.46	1,644.03	1,643.68	1,642.05	1,639.13	1,636.88	1,646.24	1,651.46	1,650.76	1,649.52	1,648.02	1,645.55
10	1,644.40	1,643.98	1,643.57	1,641.97	1,639.01	1,636.84	1,646.33	1,651.42	1,650.78	1,649.42	1,648.12	1,645.46
11	1,644.35	1,644.03	1,643.48	1,641.93	1,638.89	1,636.85	1,646.36	1,651.25	1,650.82	1,649.35	1,648.17	1,645.34
12	1,644.25	1,644.27	1,643.41	1,641.79	1,638.85	1,636.78	1,646.48	1,651.46	1,650.86	1,649.43	1,648.18	1,645.24
13	1,644.25	1,644.46	1,643.31	1,641.74	1,638.75	1,636.82	1,646.65	1,651.76	1,650.89	1,649.35	1,648.33	1,645.15
14	1,644.23	1,644.56	1,643.20	1,641.65	1,638.67	1,636.87	1,646.89	1,651.94	1,651.10	1,649.33	1,648.31	1,645.05
15	1,644.16	1,644.63	1,643.17	1,641.58	1,638.51	1,636.87	1,647.16	1,651.92	1,651.21	1,649.25	1,648.29	1,644.96
16	1,644.09	1,644.63	1,643.06	1,641.50	1,638.43	1,636.87	1,647.81	1,651.70	1,651.28	1,649.19	1,648.06	1,644.85
17	1,644.40	1,644.65	1,642.99	1,641.41	1,638.31	1,636.89	1,648.87	1,651.55	1,651.26	1,649.14	1,647.79	1,644.81
18	1,644.56	1,644.66	1,642.88	1,641.29	1,638.21	1,636.92	1,649.49	1,651.29	1,651.17	1,649.18	1,647.76	1,644.70
19	1,644.60	1,644.62	1,642.80	1,641.21	1,638.06	1,637.17	1,649.87	1,651.14	1,651.11	1,649.13	1,647.56	1,644.60
20	1,644.75	1,644.56	1,642.71	1,641.10	1,637.93	1,637.44	1,650.23	1,650.86	1,651.03	1,649.07	1,647.37	1,644.60
21	1,644.83	1,644.48	1,642.80	1,641.01	1,637.82	1,637.85	1,650.64	1,650.80	1,650.99	1,648.99	1,647.17	1,644.53
22	1,644.93	1,644.37	1,642.82	1,640.92	1,637.72	1,638.53	1,651.10	1,650.78	1,650.95	1,649.13	1,647.07	1,644.46
23	1,644.89	1,644.45	1,642.90	1,640.80	1,637.68	1,639.30	1,651.43	1,650.76	1,650.85	1,649.04	1,646.98	1,644.40
24	1,644.85	1,644.61	1,642.89	1,640.78	1,637.68	1,639.94	1,651.46	1,650.78	1,650.72	1,649.26	1,646.83	1,644.47
25	1,644.77	1,644.63	1,642.86	1,640.57	1,637.61	1,640.43	1,651.54	1,650.96	1,650.62	1,649.44	1,646.78	1,644.47
26	1,644.70	1,644.63	1,642.85	1,640.46	1,637.56	1,641.04	1,651.37	1,651.13	1,650.51	1,649.51	1,646.64	1,644.41
27	1,644.71	1,644.61	1,642.81	1,640.34	1,637.48	1,641.84	1,651.27	1,651.36	1,650.48	1,649.46	1,646.58	1,644.40
28	1,644.78	1,644.58	1,642.73	1,640.23	1,637.39	1,642.41	1,651.16	1,651.57	1,650.44	1,649.26	1,646.43	1,644.45
29	1,644.77	1,644.59	1,642.62	1,640.17	---	1,642.93	1,651.14	1,651.73	1,650.36	1,649.15	1,646.37	1,644.70
30	1,644.75	1,644.47	1,642.60	1,640.05	---	1,643.79	1,651.11	1,651.64	1,650.30	1,648.89	1,646.35	1,644.85
31	1,644.71	---	1,642.52	1,639.91	---	1,644.53	---	1,651.47	---	1,648.77	1,646.31	---
MEAN	1,644.59	1,644.46	1,643.28	1,641.38	1,638.56	1,638.46	1,648.33	1,651.38	1,650.95	1,649.41	1,647.59	1,645.10
MAX	1,644.93	1,644.66	1,644.37	1,642.42	1,639.79	1,644.53	1,651.54	1,651.94	1,651.55	1,650.24	1,648.45	1,646.22
MIN	1,644.09	1,643.98	1,642.52	1,639.91	1,637.39	1,636.78	1,644.94	1,650.76	1,650.30	1,648.77	1,646.31	1,644.40
†	3.499	3.464	3.135	2.709	2.314	3.529	4.631	4.702	4.469	4.162	3.763	3.532
††	-1.9	-13.5	-123	-159	-163	+454	+425	+26.5	-89.9	-115	-149	-89.1

CAL YR 2002 MEAN 1,645.30 MAX 1,651.91 MIN 1,639.36 †† +5.71
WTR YR 2003 MEAN 1,645.32 MAX 1,651.94 MIN 1,636.78 †† +0.89

† 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). Satellite gage-height telemeter at station.

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, 974 ft^3/s, May 14, gage height, 3.96 ft; minimum discharge, 26 ft^3/s, Mar. 12, 13, 14, gage height, 0.73 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

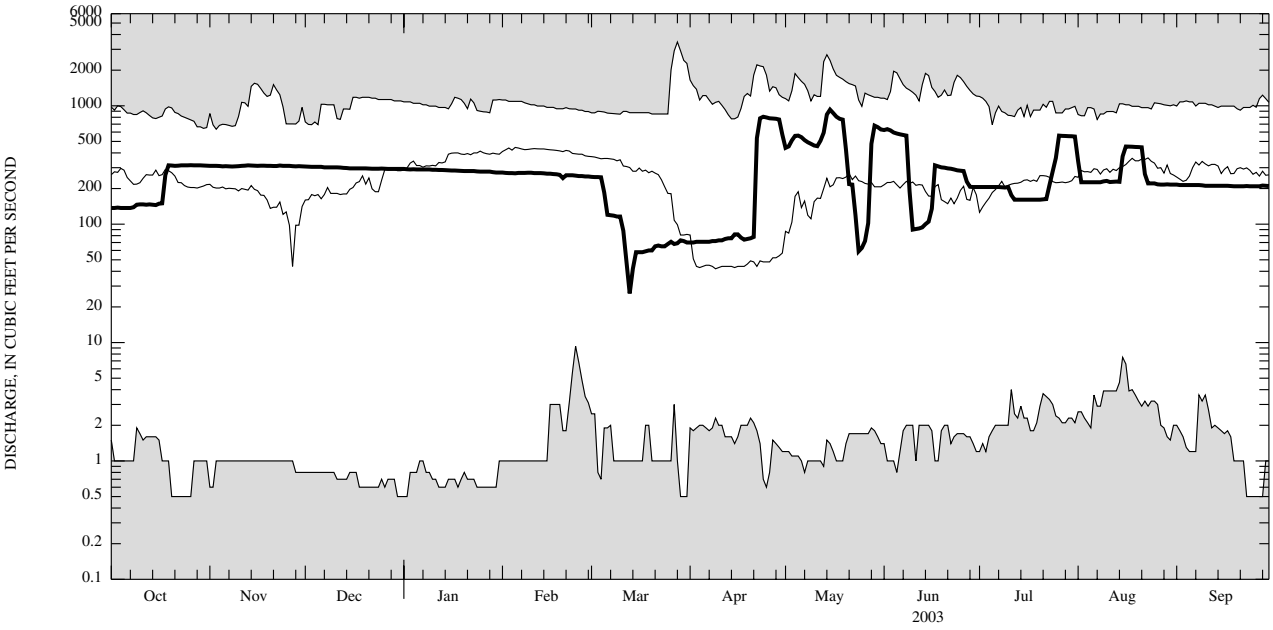
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	311	307	293	273	251	70	441	624	206	341	216
2	137	311	306	291	271	250	70	454	635	206	226	214
3	138	311	305	290	270	250	71	510	620	206	226	214
4	137	310	305	291	270	249	71	557	595	206	226	214
5	137	308	305	290	269	185	71	560	583	206	226	214
6	137	309	305	290	271	120	71	543	574	206	226	214
7	137	308	302	290	271	119	71	513	567	206	226	214
8	139	307	302	290	271	118	72	492	560	205	226	214
9	146	308	302	290	272	116	72	477	190	204	230	213
10	147	309	302	288	272	116	73	462	90	206	232	211
11	147	311	302	288	270	88	73	456	91	176	227	211
12	146	312	301	287	270	48	75	507	92	161	228	211
13	147	314	299	287	270	26	76	593	94	161	229	211
14	146	313	298	286	269	42	76	844	100	161	228	211
15	145	312	296	285	267	58	82	928	105	161	374	211
16	149	311	296	284	267	58	82	868	135	161	453	211
17	150	312	296	284	265	58	77	809	314	161	452	211
18	260	312	296	283	264	59	74	777	308	161	451	210
19	314	311	296	282	261	60	75	764	302	161	449	209
20	313	311	296	281	245	60	76	427	300	161	448	209
21	311	310	295	281	259	65	78	218	296	162	446	209
22	312	310	294	281	259	66	534	216	294	163	265	209
23	314	313	294	281	259	65	784	119	290	214	221	210
24	314	311	294	279	257	65	808	59	285	279	221	209
25	314	311	295	278	255	68	797	63	283	362	221	209
26	315	311	294	278	255	71	784	72	281	560	217	209
27	314	309	293	278	253	68	781	102	229	557	216	209
28	314	308	293	278	253	69	777	477	207	556	216	212
29	314	309	293	275	---	73	766	680	206	554	217	211
30	313	308	293	273	---	72	571	660	206	553	216	210
31	312	---	293	273	---	70	---	631	---	550	216	---
TOTAL	6,756	9,311	9,248	8,805	7,408	3,083	8,158	15,279	9,456	8,192	8,596	6,340
MEAN	218	310	298	284	265	99.5	272	493	315	264	277	211
MAX	315	314	307	293	273	251	808	928	635	560	453	216
MIN	137	307	293	273	245	26	70	59	90	161	216	209
Adjusted for change in contents of Indian Lake												
MEAN	216	296	175	125	102	553	697	520	220	154	128	122
CFSM	1.64	2.25	1.33	0.95	0.77	4.19	5.28	3.94	1.67	1.17	0.97	0.92
IN.	1.89	2.51	1.53	1.09	0.80	4.83	5.89	4.54	1.86	1.35	1.12	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2003, BY WATER YEAR (WY)

MEAN	264	220	261	359	407	282	202	319	259	272	353	341
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)

01315000 INDIAN RIVER NEAR INDIAN LAKE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1912 - 2003	
ANNUAL TOTAL	95,480		100,632			
ANNUAL MEAN	262		276		295	
ANNUAL MEAN (ADJUSTED)	268		277			
HIGHEST ANNUAL MEAN					457	1976
LOWEST ANNUAL MEAN					106	1931
HIGHEST DAILY MEAN	869	May 16	928	May 15	3,460	Mar 28, 1913
LOWEST DAILY MEAN	33	Apr 7	26	Mar 13	0.50	Sep 23, 1913
ANNUAL SEVEN-DAY MINIMUM	35	Apr 3	50	Mar 12	0.50	Oct 20, 1913
ANNUAL RUNOFF (CFSM, ADJ)	2.03		2.10			
ANNUAL RUNOFF (INCHES, ADJ)	27.53		28.47			
10 PERCENT EXCEEDS	396		521		630	
50 PERCENT EXCEEDS	267		270		249	
90 PERCENT EXCEEDS	142		75		9.2	



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, 8,920 ft^3/s, Mar. 30, gage height, 7.39 ft; minimum discharge, 214 ft^3/s, Sept. 15, gage height, 2.34 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	783	1,110	e1,200	e900	e540	e600	4,390	2,940	2,960	527	734	633
2	658	1,050	e1,100	e1,000	e560	e590	3,440	3,710	3,100	385	655	488
3	626	974	e980	e1,000	e570	e580	2,830	5,300	2,710	488	407	502
4	626	915	e900	e1,000	e560	e560	2,430	4,490	2,270	339	412	525
5	726	867	e950	e1,000	e600	e540	2,210	3,550	1,980	460	534	510
6	543	890	e940	e980	e650	e520	1,920	2,960	1,890	394	431	571
7	456	900	e920	e940	e630	e500	1,620	2,590	1,800	293	701	483
8	452	852	e900	e920	e620	e490	1,490	2,350	1,670	445	664	364
9	431	856	e740	e880	e610	e470	1,370	2,320	1,300	276	881	477
10	395	1,040	e730	e820	e590	e460	1,320	2,200	975	408	1,760	321
11	388	1,690	e770	e770	e570	e430	1,330	2,030	863	324	2,560	355
12	465	2,390	e740	e750	e550	e420	1,490	3,560	820	494	2,850	358
13	426	2,740	e880	e750	e530	e400	1,980	5,310	847	438	2,200	435
14	514	2,530	e830	e720	e510	e370	2,280	5,570	1,310	318	1,730	364
15	451	2,150	e870	e690	e480	e360	3,320	5,200	1,670	436	1,160	254
16	481	1,810	e900	e650	e480	e360	7,480	4,240	1,570	308	1,310	336
17	1,460	1,630	e780	e600	e470	e370	7,170	3,360	1,390	445	1,100	356
18	1,980	1,580	e690	e600	e470	e500	5,470	2,820	1,340	307	913	437
19	1,930	1,450	e730	e580	e490	e1,100	4,210	2,430	1,140	421	875	305
20	2,330	1,310	e800	e560	e510	e1,400	3,850	2,050	982	357	757	439
21	2,440	1,240	1,130	e580	e500	e2,800	4,550	1,600	942	265	813	409
22	1,940	1,230	1,460	e560	e490	4,810	5,170	1,380	952	535	607	300
23	1,560	1,980	1,440	e540	e520	5,580	6,350	1,290	833	811	484	451
24	1,310	2,380	e1,200	e540	e580	5,020	5,360	1,140	881	1,470	444	681
25	1,120	2,170	e1,100	e530	e640	4,670	4,360	1,210	672	1,270	310	853
26	1,070	1,900	e1,100	e520	e640	5,900	3,770	1,440	685	1,250	447	624
27	1,300	1,700	e1,000	e540	e620	6,220	3,870	1,710	668	1,140	330	622
28	1,520	e1,400	e960	e560	e600	5,660	3,910	1,990	567	891	436	1,040
29	1,530	1,370	e930	e520	---	6,450	3,880	2,980	462	926	283	2,080
30	1,380	1,310	e940	e500	---	8,320	3,600	3,010	395	811	590	2,010
31	1,220	---	e900	e560	---	6,510	---	2,760	---	847	713	---
TOTAL	32,511	45,414	29,510	22,060	15,580	72,960	106,420	89,490	39,644	18,079	28,091	17,583
MEAN	1,049	1,514	952	712	556	2,354	3,547	2,887	1,321	583	906	586
MAX	2,440	2,740	1,460	1,000	650	8,320	7,480	5,570	3,100	1,470	2,850	2,080
MIN	388	852	690	500	470	360	1,320	1,140	395	265	283	254

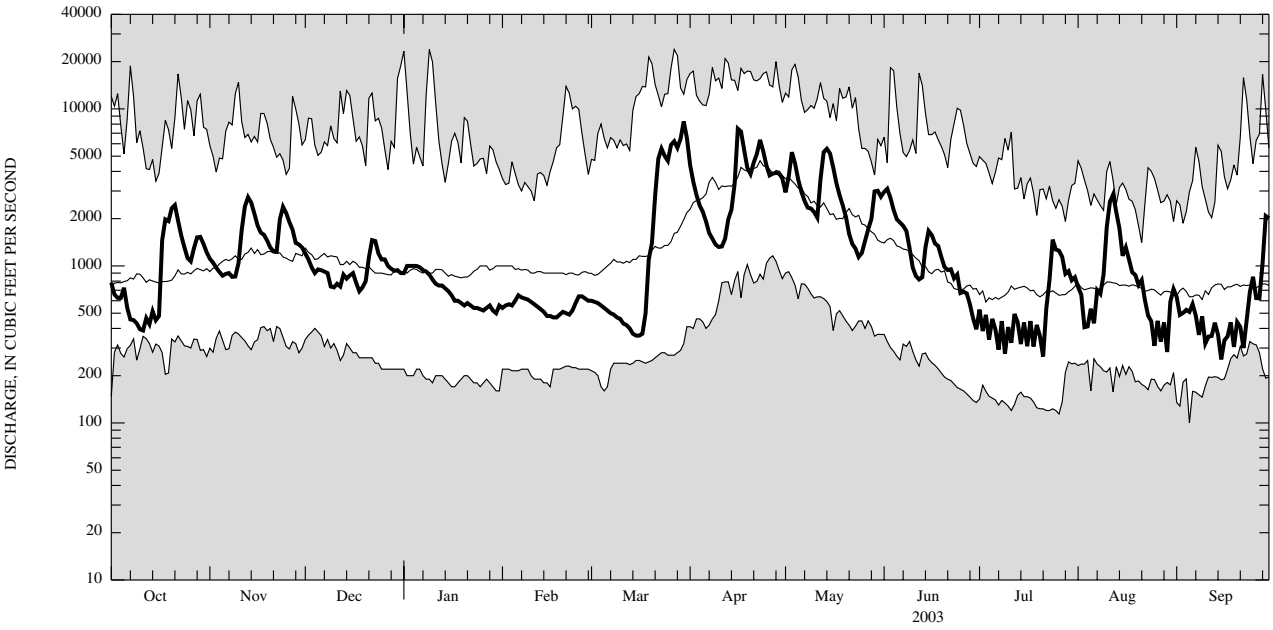
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2003, BY WATER YEAR (WY)

MEAN	1,159	1,477	1,326	1,183	1,098	1,855	4,253	2,827	1,289	833	783	867
MAX	3,923	3,089	3,277	3,730	3,846	5,643	7,258	6,671	4,768	2,252	1,701	2,455
(WY)	(1978)	(1989)	(1984)	(1998)	(1981)	(1921)	(1993)	(1971)	(1947)	(1947)	(1986)	(1938)
MIN	409	427	299	189	223	257	1,335	772	353	161	257	359
(WY)	(1964)	(1924)	(1931)	(1931)	(1940)	(1940)	(1995)	(1987)	(1988)	(1934)	(1985)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1907 - 2003	
ANNUAL TOTAL	535,568		517,342			
ANNUAL MEAN	1,467		1,417		1,579	
HIGHEST ANNUAL MEAN					2,449	1976
LOWEST ANNUAL MEAN					862	1965
HIGHEST DAILY MEAN	15,300	Apr 14	8,320	Mar 30	23,900	Mar 27, 1913
LOWEST DAILY MEAN	146	Sep 9	254	Sep 15	100	Sep 5, 1999
ANNUAL SEVEN-DAY MINIMUM	202	Sep 9	346	Sep 10	120	Jul 20, 1934
10 PERCENT EXCEEDS	2,840		3,390		3,350	
50 PERCENT EXCEEDS	1,020		881		990	
90 PERCENT EXCEEDS	275		417		459	

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)
Mar 26	0530	*15,000	*9.86				

Minimum discharge, 547 ft^3/s, Sept. 16, gage height, 1.67 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,240	1,990	2,850	e1,700	1,140	1,290	10,400	6,110	5,330	906	1,530	1,050
2	1,060	1,890	2,590	1,870	1,230	1,280	8,770	6,570	5,680	964	1,450	971
3	955	1,800	2,360	1,870	1,220	1,270	7,600	9,070	4,890	828	1,250	843
4	914	1,690	1,980	1,780	1,210	1,190	6,680	8,380	4,250	881	1,040	1,270
5	915	1,620	1,990	1,820	1,350	1,170	5,970	7,130	3,730	747	1,010	1,080
6	956	1,670	e2,000	1,950	1,400	e1,100	5,520	6,170	3,520	823	1,180	968
7	818	1,680	e1,900	1,920	1,330	e1,000	4,870	5,530	3,300	743	1,130	949
8	719	1,620	e1,800	1,760	1,350	961	4,480	5,080	3,170	655	1,260	852
9	699	1,590	1,600	1,820	1,280	1,040	4,080	4,860	2,840	754	1,260	723
10	669	1,790	1,500	1,710	1,260	1,020	3,800	4,730	2,290	600	1,770	786
11	641	2,320	1,630	e1,500	1,220	943	3,860	4,300	2,070	777	3,130	647
12	670	3,110	1,520	e1,500	1,140	950	4,020	5,410	1,980	777	4,230	662
13	738	3,910	1,850	e1,400	e1,000	939	5,060	7,890	1,940	859	3,790	645
14	713	3,960	1,840	e1,400	e1,000	887	5,550	8,540	2,530	781	3,370	699
15	774	3,540	1,940	e1,300	e980	866	6,530	8,410	2,950	652	2,540	644
16	799	3,130	1,940	e1,200	1,010	836	11,500	7,530	2,940	769	2,250	587
17	2,190	2,940	1,740	e1,200	1,000	966	12,400	6,360	2,630	669	2,160	628
18	2,900	2,930	1,450	e1,200	1,020	1,350	10,100	5,520	2,420	756	1,920	621
19	2,780	2,760	1,480	e1,100	1,070	2,040	8,590	4,920	2,290	642	1,690	679
20	3,050	2,670	1,790	e1,100	1,110	2,550	7,520	4,440	1,960	705	1,530	594
21	3,310	2,600	2,280	e1,200	1,100	4,220	7,900	3,730	1,790	645	1,480	672
22	2,950	2,620	2,550	e1,100	1,070	7,420	8,610	3,300	1,870	797	1,360	642
23	2,500	4,180	2,620	e1,100	1,140	9,160	10,000	3,040	1,800	1,250	1,110	964
24	2,200	4,690	2,440	e1,100	1,290	8,980	9,610	2,830	1,610	2,000	993	1,280
25	1,970	4,370	2,110	1,110	1,380	8,780	8,100	2,800	1,580	2,300	917	1,280
26	1,960	4,030	1,680	1,140	1,380	11,500	7,510	3,010	1,290	2,020	743	1,230
27	2,340	3,720	e1,700	1,240	1,330	11,900	8,250	3,510	1,290	2,050	798	1,000
28	2,590	3,340	e1,700	1,080	1,320	11,500	7,760	3,620	1,200	1,790	676	1,400
29	2,550	3,120	e1,600	1,050	---	12,000	7,390	4,690	1,070	1,610	745	2,830
30	2,380	2,990	e1,600	1,190	---	14,600	7,010	4,950	982	1,600	679	3,050
31	2,160	---	e1,700	1,150	---	13,200	---	4,600	---	1,480	973	---
TOTAL	51,110	84,270	59,730	43,560	33,330	136,908	219,440	167,030	77,192	32,830	49,964	30,246
MEAN	1,649	2,809	1,927	1,405	1,190	4,416	7,315	5,388	2,573	1,059	1,612	1,008
MAX	3,310	4,690	2,850	1,950	1,400	14,600	12,400	9,070	5,680	2,300	4,230	3,050
MIN	641	1,590	1,450	1,050	980	836	3,800	2,800	982	600	676	587

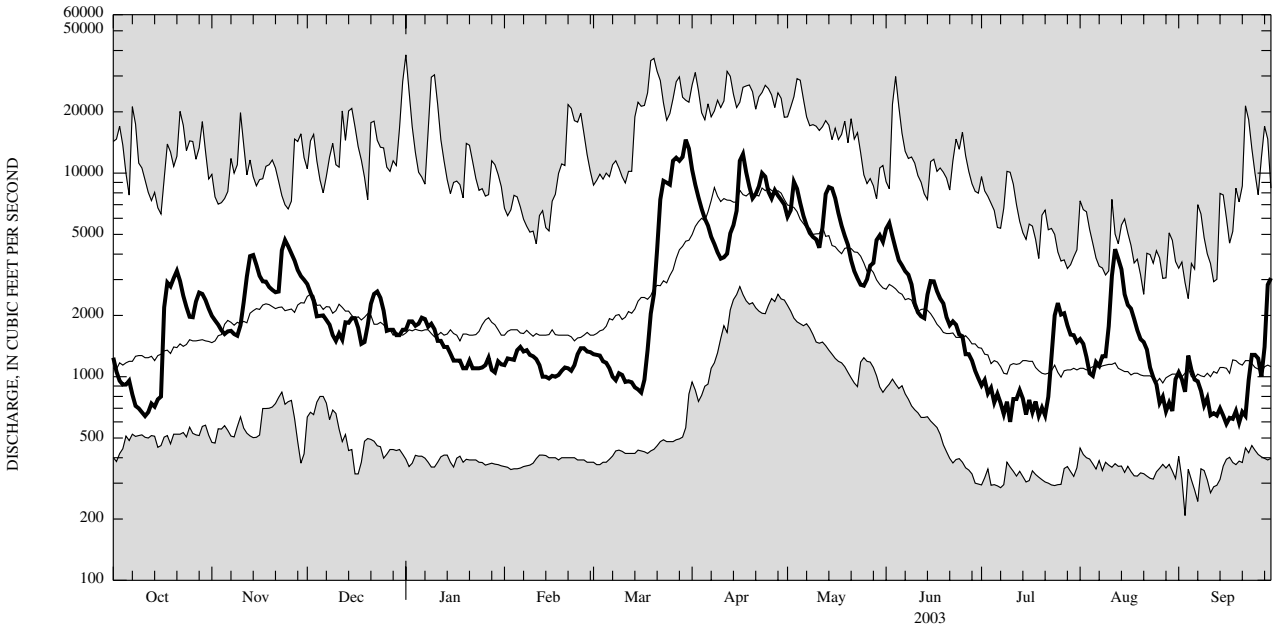
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2003, BY WATER YEAR (WY)

MEAN	1,901	2,645	2,543	2,229	2,004	3,677	8,409	5,304	2,442	1,444	1,202	1,324
MAX	7,087	5,657	6,925	6,876	6,948	11,670	14,230	11,820	9,497	4,201	2,947	4,135
(WY)	(1978)	(1960)	(1984)	(1998)	(1981)	(1936)	(1993)	(1972)	(1947)	(1935)	(2000)	(1938)
MIN	575	681	551	397	384	451	2,531	1,576	737	392	396	532
(WY)	(1965)	(1931)	(1931)	(1931)	(1940)	(1940)	(1995)	(1987)	(1988)	(1934)	(1985)	(2002)

01318500 HUDSON RIVER AT HADLEY, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1922 - 2003	
ANNUAL TOTAL	935,076		985,610			
ANNUAL MEAN	2,562		2,700		2,925	
HIGHEST ANNUAL MEAN					4,574	1976
LOWEST ANNUAL MEAN					1,408	1965
HIGHEST DAILY MEAN	21,000	Apr 15	14,600	Mar 30	38,100	Jan 1, 1949
LOWEST DAILY MEAN	269	Sep 11	587	Sep 16	208	Sep 3, 1999
ANNUAL SEVEN-DAY MINIMUM	313	Sep 9	632	Sep 16	299	Jul 20, 1934
10 PERCENT EXCEEDS	5,260		6,610		6,510	
50 PERCENT EXCEEDS	1,940		1,700		1,800	
90 PERCENT EXCEEDS	446		772		775	

e Estimated



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 and crest-stage gage. 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)
Mar 29	2215	*9,470	*6.62	No other peak greater than base discharge.			

Minimum discharge, 66 ft^3/s, July 8, 9, gage height, 1.27 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	630	1,080	868	e720	e460	e520	3,650	1,840	2,330	198	340	189
2	543	989	717	e700	e500	e500	3,050	2,490	2,460	158	449	192
3	517	888	614	e700	e560	e490	2,590	2,870	1,870	151	310	183
4	472	762	605	e700	e620	e480	2,260	2,330	1,500	146	317	352
5	470	731	e600	e680	e740	e460	2,010	2,040	1,320	142	537	350
6	442	773	e580	e680	e1,000	e440	1,940	1,800	1,150	137	932	273
7	393	788	e540	e660	e850	e420	1,700	1,600	976	134	796	259
8	324	722	e500	e640	e740	e440	1,500	1,410	872	98	820	243
9	287	749	e440	e640	e720	e400	1,330	1,310	781	70	1,190	252
10	259	1,230	e460	e600	e700	e380	1,260	1,160	686	145	1,690	209
11	223	2,020	e500	e600	e640	e360	1,450	1,090	631	253	1,470	164
12	338	1,990	e560	e600	e580	e350	1,710	1,980	653	344	1,490	176
13	399	2,270	e540	e580	e520	e340	2,550	2,330	682	259	1,290	203
14	376	1,960	e560	e560	e500	e320	2,590	2,130	1,180	211	985	197
15	357	1,670	e620	e520	e460	e320	4,190	1,900	1,020	198	858	160
16	619	1,420	e600	e450	e450	e320	7,300	1,640	810	284	717	250
17	2,470	1,340	e560	e600	e450	e450	5,320	1,420	646	272	613	303
18	1,650	1,210	e560	e540	e450	e800	4,080	1,240	581	225	498	234
19	1,600	1,060	e600	e500	e460	e1,200	3,570	1,090	533	207	377	240
20	2,490	1,010	e800	e480	e460	e1,600	3,570	957	491	155	307	284
21	1,850	988	1,500	e470	e440	e2,200	3,880	874	432	188	284	266
22	1,510	1,030	1,400	e460	e460	e3,300	4,000	792	646	883	221	211
23	1,290	2,400	1,200	e460	e500	e3,900	4,000	723	583	794	208	480
24	1,130	1,860	1,050	e460	e540	3,960	3,320	730	492	1,150	210	631
25	960	1,570	875	e440	e640	4,380	2,770	1,020	390	1,070	177	462
26	1,460	1,390	e840	e430	e620	5,990	2,770	1,220	322	772	170	422
27	2,410	1,270	e820	e420	e600	5,250	3,110	1,520	304	693	129	338
28	2,000	1,030	e780	e420	e540	4,710	2,750	1,570	220	664	90	1,180
29	1,650	992	e740	e420	---	6,430	2,410	1,890	231	567	114	1,520
30	1,240	954	e700	e420	---	6,810	2,150	1,630	185	428	287	1,080
31	1,220	---	e700	e430	---	4,770	---	1,390	---	305	205	---
TOTAL	31,579	38,146	22,429	16,980	16,200	62,290	88,780	47,986	24,977	11,301	18,081	11,303
MEAN	1,019	1,272	724	548	579	2,009	2,959	1,548	833	365	583	377
MAX	2,490	2,400	1,500	720	1,000	6,810	7,300	2,870	2,460	1,150	1,690	1,520
MIN	223	722	440	420	440	320	1,260	723	185	70	90	160

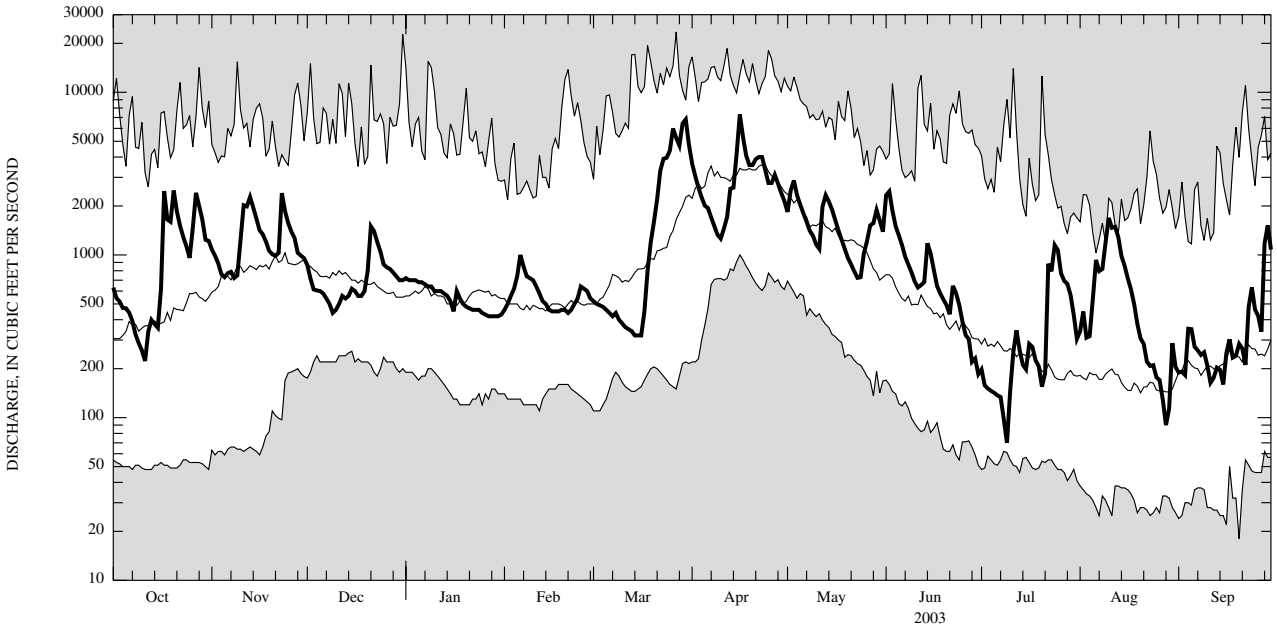
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2003, BY WATER YEAR (WY)

MEAN	716	1,103	1,030	867	720	1,644	3,585	1,763	749	423	276	375
MAX	2,677	2,727	2,988	2,693	3,197	5,315	6,143	4,342	2,752	2,221	1,225	1,604
(WY)	(1946)	(1960)	(1928)	(1998)	(1981)	(1936)	(1922)	(1972)	(1947)	(1935)	(1915)	(1987)
MIN	53.4	205	235	188	172	207	1,096	425	133	72.3	50.0	79.4
(WY)	(1965)	(1965)	(1918)	(1931)	(1920)	(1940)	(1995)	(1941)	(1949)	(1949)	(1999)	(1939)

01321000 SACANDAGA RIVER NEAR HOPE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1911 - 2003	
ANNUAL TOTAL	408,096		390,052			
ANNUAL MEAN	1,118		1,069		1,103	
HIGHEST ANNUAL MEAN					1,706	1976
LOWEST ANNUAL MEAN					611	1965
HIGHEST DAILY MEAN	11,000	Apr 14	7,300	Apr 16	23,500	Mar 27, 1913
LOWEST DAILY MEAN	27	Sep 13	70	Jul 9	18	Sep 20, 1913
ANNUAL SEVEN-DAY MINIMUM	32	Sep 9	125	Jul 4	26	Sep 10, 1913
10 PERCENT EXCEEDS	2,290		2,400		2,670	
50 PERCENT EXCEEDS	820		653		570	
90 PERCENT EXCEEDS	66		222		136	

e Estimated



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, 771.0 ft, is 41.7 mi^2. Discharge over spillway, part or all of several days in 1983, 1990, 1993, 2000, 2003 (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, 771.57 ft, May 5, contents, 38.384 bil ft^3; minimum, 746.74 ft, Mar. 18, contents, 13.092 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 ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	756.66	760.03	759.69	755.52	751.47	748.30	759.63	771.08	770.11	767.22	765.37	763.20
2	756.64	760.04	759.45	755.50	751.35	748.22	760.11	771.06	770.44	767.11	765.45	763.09
3	756.54	760.06	759.23	755.44	751.21	748.15	760.53	771.21	770.58	767.00	765.45	762.99
4	756.51	760.10	758.97	755.46	751.15	748.00	760.97	771.28	770.48	766.90	765.53	763.11
5	756.54	760.08	758.70	755.41	751.08	747.90	761.35	771.28	770.39	766.80	765.56	763.16
6	756.41	760.15	758.48	755.32	750.94	747.80	761.66	771.17	770.28	766.67	765.67	763.14
7	756.38	760.19	758.23	755.19	750.83	747.72	761.90	771.10	770.09	766.52	765.72	763.07
8	756.26	760.19	758.00	755.05	750.74	747.63	762.13	770.99	769.92	766.43	765.72	762.93
9	756.18	760.14	757.71	754.91	750.64	747.54	762.34	770.86	769.75	766.26	765.72	762.82
10	756.09	760.18	757.42	754.79	750.50	747.44	762.52	770.72	769.53	766.10	765.81	762.71
11	755.98	760.27	757.13	754.53	750.37	747.32	762.74	770.57	769.31	766.12	765.83	762.57
12	755.92	760.45	756.97	754.27	750.23	747.24	763.04	770.60	769.09	766.14	765.82	762.43
13	755.92	760.65	756.79	753.99	750.10	747.13	763.48	770.69	768.90	766.01	765.85	762.28
14	755.85	760.81	756.60	753.81	749.96	747.04	763.95	770.67	768.87	765.88	765.80	762.18
15	755.77	760.81	756.45	753.63	749.81	746.92	764.45	770.60	768.74	765.77	765.66	762.07
16	755.72	760.64	756.29	753.46	749.68	746.85	765.35	770.54	768.56	765.71	765.45	761.98
17	756.19	760.58	756.08	753.26	749.53	746.81	766.29	770.49	768.37	765.63	765.18	761.83
18	756.58	760.63	755.91	753.11	749.44	746.88	766.91	770.43	768.15	765.55	765.06	761.67
19	756.87	760.44	755.68	752.99	749.29	747.21	767.39	770.35	767.98	765.45	764.96	761.55
20	757.25	760.30	755.54	752.89	749.16	747.67	767.82	770.25	767.74	765.34	764.82	761.48
21	757.55	760.14	755.60	752.77	749.01	748.47	768.26	770.14	767.69	765.23	764.68	761.31
22	757.79	760.00	755.70	752.66	748.85	749.70	768.75	769.98	767.70	765.32	764.57	761.16
23	758.01	760.19	755.73	752.53	748.80	750.98	769.29	769.85	767.70	765.44	764.39	761.23
24	758.18	760.38	755.69	752.44	748.71	751.93	769.70	769.72	767.70	765.56	764.24	761.32
25	758.30	760.41	755.67	752.31	748.65	752.77	770.01	769.66	767.66	765.63	764.10	761.34
26	758.54	760.38	755.74	752.18	748.57	753.83	770.30	769.65	767.60	765.65	763.98	761.30
27	759.03	760.27	755.73	752.09	748.48	754.90	770.81	769.76	767.56	765.67	763.90	761.25
28	759.36	760.17	755.75	751.95	748.39	755.76	771.13	769.85	767.47	765.60	763.70	761.51
29	759.57	760.01	755.70	751.82	---	756.70	771.18	769.91	767.39	765.54	763.55	761.88
30	759.75	759.83	755.63	751.70	---	758.07	771.13	770.01	767.35	765.47	763.46	762.04
31	759.91	---	755.58	751.59	---	759.03	---	769.96	---	765.38	763.32	---
MEAN	757.17	760.28	756.83	753.63	749.89	749.74	765.50	770.47	768.77	765.97	764.98	762.15
MAX	759.91	760.81	759.69	755.52	751.47	759.03	771.18	771.28	770.58	767.22	765.85	763.20
MIN	755.72	759.83	755.54	751.59	748.39	746.81	759.63	769.65	767.35	765.23	763.32	761.16
†	25.48	25.35	21.17	17.31	14.47	24.95	37.80	36.51	33.45	31.31	28.97	27.80
††	+1,220	-49	-1,560	-1,442	-1,176	+3,914	+4,959	-482	-1,180	-799	-876	-451

CAL YR 2002 MEAN 758.75 MAX 770.77 MIN 746.57 †† +132
WTR YR 2003 MEAN 760.50 MAX 771.28 MIN 746.81 †† +177

† 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, part or all of several days in 1983, 1990, 1993, 2000, 2003 (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, 5,560 ft^3/s, May 5, gage height, 6.24 ft; minimum discharge, 5.7 ft^3/s, Apr. 23, 24, gage height, 0.38 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,050	1,030	4,110	1,490	2,010	1,960	170	4,070	3,040	1,500	1,510	2,020
2	1,390	994	4,100	2,370	2,190	2,000	40	4,040	1,920	1,600	1,410	2,030
3	1,380	1,250	3,710	2,090	1,960	1,970	39	4,100	3,080	1,580	1,530	1,680
4	1,350	1,350	4,060	2,110	1,920	2,050	1,340	4,040	4,000	1,580	1,420	1,690
5	1,420	1,460	4,090	2,190	2,690	2,750	37	4,160	3,980	1,700	1,430	1,700
6	1,330	1,430	4,090	2,860	2,590	1,700	35	4,250	3,960	1,670	1,520	1,690
7	1,340	1,500	4,100	3,120	2,720	1,490	35	4,040	3,960	1,690	1,510	1,660
8	1,450	1,550	4,100	2,660	2,230	2,080	35	4,030	4,020	1,900	1,560	1,900
9	1,340	1,650	4,110	2,850	2,150	2,050	34	4,060	4,010	1,900	1,680	1,830
10	1,480	2,150	4,140	3,380	2,730	1,250	34	4,060	4,010	1,870	2,440	1,960
11	1,530	2,040	4,130	4,460	2,540	1,730	35	4,040	3,980	1,850	3,050	2,010
12	1,580	1,650	3,550	4,310	2,190	1,580	36	4,030	3,990	1,880	3,040	1,940
13	1,580	2,020	3,480	3,630	2,360	1,610	38	4,020	3,980	1,880	2,960	1,920
14	1,570	3,050	3,680	2,730	2,170	1,940	38	4,030	4,020	1,870	2,260	1,910
15	1,550	3,370	3,510	3,110	2,200	1,810	39	4,100	4,020	1,780	3,960	1,940
16	1,510	4,070	3,550	2,710	2,260	1,540	40	3,950	3,970	1,980	3,990	1,920
17	565	4,100	3,600	2,890	2,160	1,490	38	3,110	3,930	1,840	3,940	2,010
18	39	4,110	3,440	2,130	2,160	1,490	36	2,970	3,900	1,870	2,540	2,020
19	174	4,130	3,200	2,440	2,190	1,450	36	2,970	3,070	1,840	2,540	2,050
20	34	4,160	2,860	2,070	2,270	59	35	2,960	2,950	1,890	2,220	2,080
21	34	4,160	1,720	1,950	2,200	46	35	3,050	2,020	1,830	2,220	2,110
22	53	4,190	2,300	2,160	2,030	48	22	3,030	1,170	1,880	2,220	2,040
23	34	3,840	2,430	1,950	2,210	163	5.9	3,010	1,340	1,830	2,110	1,990
24	156	2,920	2,380	1,950	2,200	44	18	3,040	1,170	1,870	1,840	1,470
25	491	3,310	2,340	1,980	2,310	168	32	3,000	1,190	1,370	1,860	1,580
26	442	3,430	1,640	2,100	2,060	160	1,500	2,970	1,210	1,230	1,900	1,600
27	625	4,090	1,860	1,880	2,060	44	1,570	2,550	1,200	1,200	1,940	1,550
28	460	4,110	1,890	2,150	2,030	174	2,990	2,900	1,320	1,360	2,020	1,540
29	523	4,110	2,030	1,910	---	188	4,080	2,850	1,340	1,470	2,090	1,790
30	511	4,110	2,000	1,980	---	47	3,990	2,610	1,460	1,440	1,990	1,510
31	693	---	2,320	1,940	---	42	---	2,970	---	1,320	2,040	---
TOTAL	27,684	85,334	98,520	77,550	62,790	35,123	16,412.9	109,010	87,210	52,470	68,740	55,140
MEAN	893	2,844	3,178	2,502	2,242	1,133	547	3,516	2,907	1,693	2,217	1,838
MAX	1,580	4,190	4,140	4,460	2,730	2,750	4,080	4,250	4,020	1,980	3,990	2,110
MIN	34	994	1,640	1,490	1,920	42	5.9	2,550	1,170	1,200	1,410	1,470
Adjusted for change in contents in Great Sacandaga Lake and Stewarts Bridge Pool												
MEAN	2111	2800	1599	1077	1067	5050	5505	3032	1726	896	1341	1388
CFSM	2.00	2.65	1.52	1.02	1.01	4.79	5.22	2.87	1.64	0.85	1.27	1.32
IN.	2.31	2.96	1.75	1.18	1.05	5.52	5.82	3.31	1.82	0.98	1.47	1.47

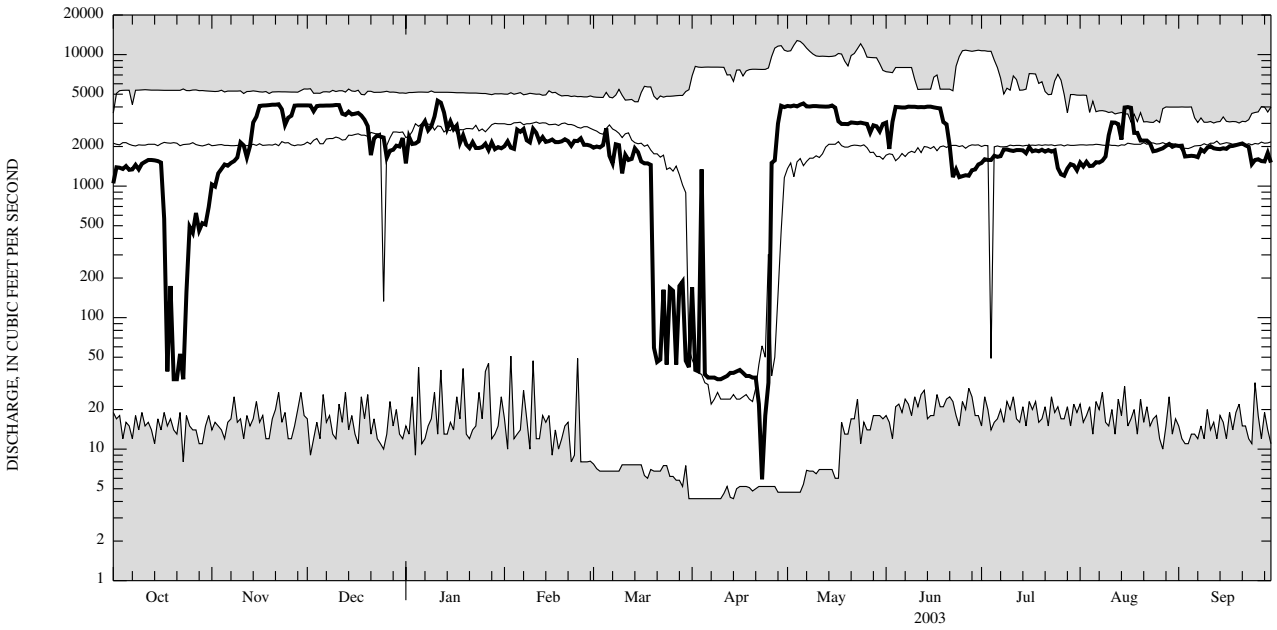
01325000 SACANDAGA RIVER AT STEWARTS BRIDGE, NEAR HADLEY, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2003, BY WATER YEAR (WY)												
MEAN	1,943	2,209	2,488	2,732	2,782	1,984	1,164	2,428	2,058	1,924	1,908	1,838
MAX	5,149	5,177	4,935	5,026	4,910	3,921	5,691	7,035	5,203	4,589	3,013	2,846
(WY)	(1946)	(1976)	(1960)	(1978)	(1973)	(1972)	(1979)	(1983)	(1947)	(1935)	(1935)	(1994)
MIN	508	968	1,117	1,210	1,144	89.0	5.85	40.5	712	927	872	963
(WY)	(1996)	(1998)	(1965)	(1965)	(1931)	(1954)	(1985)	(1931)	(1987)	(1941)	(1995)	(1941)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1931 - 2003	
ANNUAL TOTAL	729,510.6		775,983.9			
ANNUAL MEAN	1,999		2,126		2,120	
ANNUAL MEAN (ADJUSTED)*	2130		2303		2149	
HIGHEST ANNUAL MEAN					3,452	1976
LOWEST ANNUAL MEAN					1,122	1965
HIGHEST DAILY MEAN	8,080	May 16	4,460	Jan 11	12,800	May 4, 1983
LOWEST DAILY MEAN	8.3	Apr 21	5.9	Apr 23	4.2	Mar 31, 1992
ANNUAL SEVEN-DAY MINIMUM	25	Apr 28	26	Apr 19	4.2	Mar 31, 1992
ANNUAL RUNOFF (CFSM, ADJ.)*	2.02		2.18		2.04	
ANNUAL RUNOFF (INCHES, ADJ.)*	27.40		29.64		27.66	
10 PERCENT EXCEEDS	3,920		4,030		4,040	
50 PERCENT EXCEEDS	1,870		1,980		2,070	
90 PERCENT EXCEEDS	54		158		34	

* 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.--Records good except those for estimated daily discharges, which are poor. 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, 16,000 ft^3/s, Mar. 30, gage height, 24.30 ft; minimum discharge, 663 ft^3/s, Sept. 14, gage height, 19.97 ft.

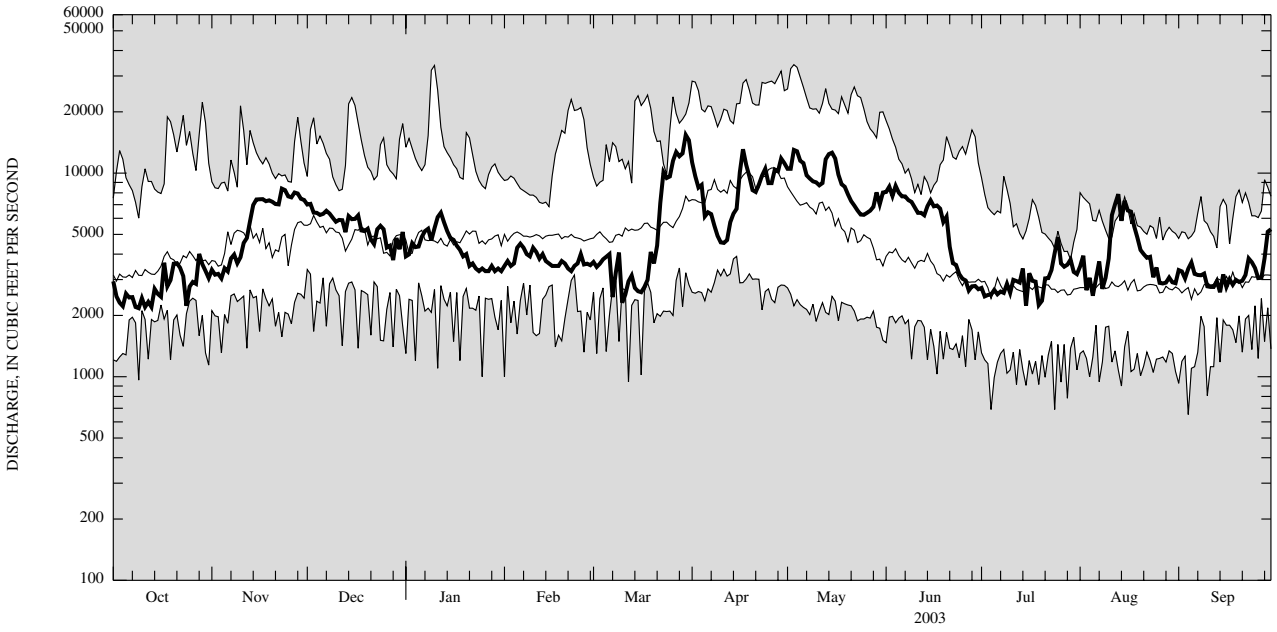
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,940	3,350	7,010	3,900	e3,500	3,660	11,300	10,500	8,080	2,730	3,480	3,340
2	2,480	3,170	7,060	3,990	e3,700	3,460	9,650	10,500	8,580	2,480	3,930	3,290
3	2,310	3,200	6,400	4,530	e3,500	3,590	8,490	13,000	7,720	2,520	2,660	3,040
4	2,220	3,040	6,380	4,330	e3,600	3,770	8,750	12,800	8,660	2,530	3,060	3,390
5	2,560	3,410	6,230	4,360	e4,300	3,880	6,130	11,500	8,010	2,670	2,500	3,640
6	2,450	3,290	6,310	4,860	e4,500	4,000	6,420	11,200	7,690	2,540	3,040	3,200
7	2,460	3,810	6,530	5,190	e4,300	2,460	6,290	9,760	7,680	2,620	3,680	3,160
8	2,200	3,980	6,330	5,330	e4,000	3,240	5,520	9,410	7,370	2,580	2,700	3,150
9	2,170	3,610	6,040	4,670	e3,900	4,070	4,920	9,110	7,220	2,860	3,060	3,210
10	2,430	3,860	5,770	5,360	e4,300	2,310	4,570	9,010	6,790	2,580	3,810	2,780
11	2,200	4,540	5,890	6,080	e4,100	2,530	4,540	8,710	6,380	2,990	6,220	2,760
12	2,330	4,800	5,870	6,390	e3,800	2,940	4,690	8,940	6,380	2,950	7,050	2,760
13	2,200	5,810	5,130	5,730	e4,000	3,140	5,740	11,700	6,210	2,900	7,880	2,950
14	2,700	6,970	6,150	5,190	e3,700	2,730	6,320	12,400	6,880	3,400	5,830	2,600
15	2,550	7,420	5,940	e4,800	e3,600	2,630	6,680	12,600	7,350	2,230	7,320	3,180
16	2,470	7,440	5,960	e4,700	e3,500	2,600	10,100	11,800	6,870	3,220	6,550	2,760
17	3,630	7,450	6,200	e4,400	e3,500	2,760	13,100	9,830	6,930	2,960	6,470	3,010
18	2,780	7,280	5,230	e4,200	e3,500	2,990	11,000	8,820	6,690	2,930	5,480	2,830
19	2,980	7,350	5,190	e3,900	e3,700	4,100	9,640	8,570	5,750	2,250	4,830	2,990
20	3,590	7,230	5,330	e4,000	e3,600	3,600	8,250	7,860	6,110	2,360	4,190	2,920
21	3,610	7,050	4,720	e3,500	e3,400	4,410	8,080	7,290	4,350	3,040	4,000	2,960
22	3,430	7,020	4,480	e3,600	e3,300	7,140	8,790	6,930	3,610	3,050	3,840	3,160
23	3,120	8,390	5,300	e3,400	e3,500	10,100	9,730	6,560	3,540	3,340	3,880	3,810
24	2,230	8,250	5,510	e3,300	e3,600	9,460	10,500	6,260	3,190	4,050	3,080	3,650
25	2,770	7,690	5,300	e3,400	e4,000	9,630	8,930	6,240	3,030	4,850	3,440	3,420
26	2,920	7,600	4,310	e3,300	3,560	11,500	8,930	6,380	2,970	3,600	2,890	3,050
27	2,860	8,030	4,400	e3,300	3,590	12,700	10,400	6,540	2,650	3,470	2,870	3,060
28	4,010	7,940	3,740	e3,500	3,530	12,100	10,200	6,830	2,780	3,550	2,900	3,820
29	3,570	7,480	4,800	e3,300	---	12,500	11,800	8,040	2,790	3,760	3,070	5,150
30	3,310	7,380	4,230	e3,400	---	15,400	11,200	7,030	2,690	3,270	2,910	5,300
31	3,050	---	5,140	e3,300	---	14,500	---	8,030	---	3,190	2,880	---
TOTAL	86,530	177,840	172,880	133,210	105,080	183,900	250,660	284,150	174,950	93,470	129,500	98,340
MEAN	2,791	5,928	5,577	4,297	3,753	5,932	8,355	9,166	5,832	3,015	4,177	3,278
MAX	4,010	8,390	7,060	6,390	4,500	15,400	13,100	13,000	8,660	4,850	7,880	5,300
MIN	2,170	3,040	3,740	3,300	3,300	2,310	4,540	6,240	2,650	2,230	2,500	2,600
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)												
MEAN	4,078	5,353	5,472	5,255	5,134	6,050	9,977	7,576	4,324	2,914	2,941	3,075
MAX	9,773	9,326	10,260	9,907	8,616	10,950	16,790	16,670	7,786	4,246	5,268	4,478
(WY)	(1978)	(1996)	(1997)	(1978)	(1984)	(1990)	(1993)	(1983)	(1998)	(2000)	(2000)	(1987)
MIN	2,177	2,497	2,957	2,714	2,697	3,387	3,177	2,231	1,922	1,786	1,924	2,102
(WY)	(2002)	(2002)	(1979)	(1989)	(1989)	(1989)	(1995)	(1995)	(1995)	(1995)	(2001)	(2001)

01327750 HUDSON RIVER AT FORT EDWARD, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977 - 2003	
ANNUAL TOTAL	1,760,430		1,890,510			
ANNUAL MEAN	4,823		5,179		5,162	
HIGHEST ANNUAL MEAN					6,768	1990
LOWEST ANNUAL MEAN					3,569	1995
HIGHEST DAILY MEAN	21,900	Apr 15	15,400	Mar 30	34,100	May 3, 1983
LOWEST DAILY MEAN	1,220	Aug 25	2,170	Oct 9	652	Sep 4, 1978
ANNUAL SEVEN-DAY MINIMUM	2,100	Sep 10	2,280	Oct 7	1,270	Aug 23, 1995
10 PERCENT EXCEEDS	7,350		8,970		9,070	
50 PERCENT EXCEEDS	4,720		4,000		3,960	
90 PERCENT EXCEEDS	2,320		2,700		2,370	

e Estimated



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.

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.--396 mi^2, revised.

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)
Jan 15	1445	ice jam	*7.41	Mar 30	1800	*4,290	6.72

Minimum discharge, 128 ft^3/s, Oct. 10, 11, gage height, 2.63 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	323	897	833	e410	e620	2,390	822	823	235	276	200
2	171	311	797	902	e430	e640	1,810	1,250	772	218	1,110	227
3	158	299	729	797	e470	e640	2,010	1,500	642	206	696	268
4	155	285	e660	781	e520	e660	1,830	1,050	574	192	517	391
5	155	278	e640	745	e600	e700	1,630	891	533	180	863	561
6	167	320	618	704	e560	e800	1,440	815	511	170	1,140	391
7	155	395	581	677	e520	e940	1,270	762	481	162	1,290	308
8	141	367	558	661	e440	e740	1,150	732	484	157	784	269
9	133	341	e540	655	e400	e780	1,060	707	463	155	582	241
10	132	387	e520	625	e380	e700	1,060	656	427	155	1,060	217
11	129	560	e490	678	e370	e600	1,330	624	407	276	844	198
12	150	760	e490	724	e360	e500	1,500	1,050	410	425	679	184
13	265	940	516	636	e350	e420	2,000	1,690	406	278	739	180
14	226	915	622	e600	e360	e440	1,900	2,200	568	219	686	174
15	208	716	965	e580	e350	e370	1,820	1,780	605	186	527	190
16	199	637	820	e560	e340	e400	2,640	1,350	489	182	442	187
17	415	722	711	e540	e330	667	2,720	1,120	414	218	409	183
18	517	1,090	702	e520	e330	1,290	1,860	971	375	240	808	170
19	405	1,010	735	e540	e330	1,610	1,380	863	358	309	543	158
20	396	1,010	891	e560	e320	1,530	1,440	773	339	245	416	189
21	376	1,060	2,550	e520	e340	2,750	1,530	714	325	203	372	206
22	315	1,070	1,790	e500	e500	3,950	1,540	681	372	337	328	181
23	299	2,500	1,330	e500	e800	3,890	1,390	625	368	458	299	244
24	302	2,510	1,100	e520	e1,100	3,140	1,130	593	322	399	268	759
25	281	1,870	973	e540	e900	2,860	943	577	291	419	246	444
26	340	1,530	899	e500	e740	3,170	914	659	270	379	237	345
27	540	1,300	1,030	e450	e640	3,190	1,180	869	253	340	256	319
28	515	1,100	810	e430	e640	2,750	1,100	791	235	298	239	324
29	445	988	760	e420	---	2,720	1,030	795	220	254	211	1,350
30	388	925	705	e420	---	4,150	946	732	225	222	206	841
31	350	---	695	e420	---	3,630	---	750	---	215	208	---
TOTAL	8,627	26,519	26,124	18,538	13,830	51,247	45,943	29,392	12,962	7,932	17,281	9,899
MEAN	278	884	843	598	494	1,653	1,531	948	432	256	557	330
MAX	540	2,510	2,550	902	1,100	4,150	2,720	2,200	823	458	1,290	1,350
MIN	129	278	490	420	320	370	914	577	220	155	206	158
CFSM	0.70	2.23	2.13	1.51	1.25	4.17	3.86	2.39	1.09	0.65	1.41	0.83
IN.	0.81	2.49	2.45	1.74	1.30	4.81	4.31	2.76	1.22	0.74	1.62	0.93

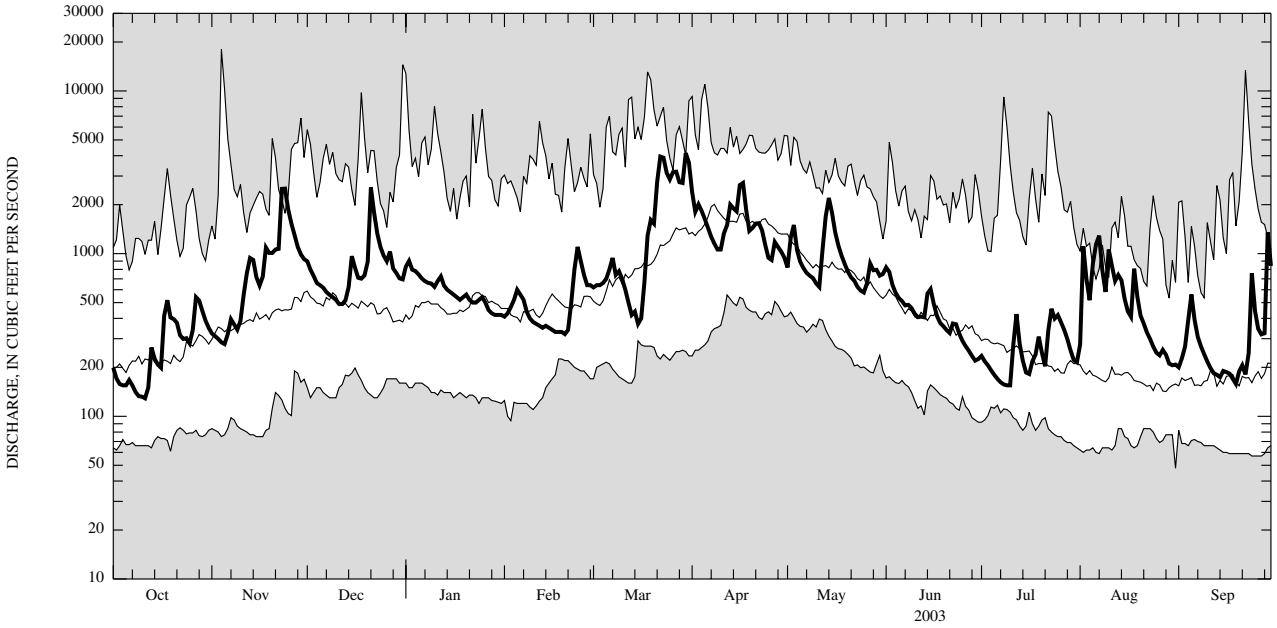
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2003, BY WATER YEAR (WY)

MEAN	323	608	676	716	674	1,202	1,751	997	535	352	244	270
MAX	847	2,498	1,675	2,016	1,402	3,718	3,535	2,141	1,167	1,874	725	1,550
(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)

01329500 BATTEN KILL AT BATTENVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1923 - 2003	
ANNUAL TOTAL	273,170		268,294			
ANNUAL MEAN	748		735		695	
HIGHEST ANNUAL MEAN					980	1928
LOWEST ANNUAL MEAN					335	1965
HIGHEST DAILY MEAN	2,850	Apr 16	4,150	Mar 30	18,000	Nov 4, 1927
LOWEST DAILY MEAN	81	Sep 11	129	Oct 11	48	Aug 31, 1953
ANNUAL SEVEN-DAY MINIMUM	86	Sep 8	144	Oct 6	58	Sep 21, 1964
ANNUAL RUNOFF (CFSM)	1.89		1.85		1.75	
ANNUAL RUNOFF (INCHES)	25.63		25.17		23.83	
10 PERCENT EXCEEDS	1,660		1,500		1,580	
50 PERCENT EXCEEDS	637		540		420	
90 PERCENT EXCEEDS	139		206		141	

e Estimated



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 and crest-stage gage. 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. Satellite and telephone gage-height telemeter at 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)
Mar 22	2230	*445	*5.27

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 3.8 ft^3/s, July 9, gage height, 2.92 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	19	33	30	e16	e24	88	42	148	8.0	56	7.1
2	7.4	15	31	36	e16	25	81	147	88	7.2	90	15
3	11	14	19	33	e17	30	119	119	48	6.4	46	15
4	9.1	15	17	36	e19	27	109	66	35	6.1	61	71
5	11	17	18	31	29	26	81	50	31	5.8	65	41
6	8.7	29	20	30	31	27	71	48	30	5.4	45	24
7	7.8	43	20	29	29	25	62	45	26	5.3	50	16
8	7.3	36	20	29	e24	25	54	42	26	5.2	40	12
9	5.8	33	16	31	e22	24	50	38	24	4.9	33	10
10	4.9	33	14	30	e19	23	72	35	21	5.8	41	9.4
11	7.0	32	15	28	e17	23	108	43	27	49	42	8.5
12	11	35	19	28	e16	20	152	133	38	32	50	7.3
13	11	74	28	27	e15	20	132	111	42	19	33	6.1
14	12	51	49	25	e15	19	94	69	67	12	24	7.7
15	9.6	36	74	25	e15	20	74	59	40	9.1	19	7.7
16	28	34	54	26	e15	24	65	46	26	34	20	12
17	84	58	38	25	e14	47	56	38	20	28	24	9.0
18	41	106	29	23	e14	102	47	33	16	45	18	6.8
19	35	76	28	23	e14	110	42	29	16	41	15	8.1
20	36	79	32	23	e14	98	38	26	15	22	14	9.3
21	25	67	51	21	e16	248	36	26	17	28	12	7.7
22	22	69	41	20	19	302	42	25	28	95	10	6.7
23	19	163	38	19	26	297	45	22	22	53	8.9	128
24	22	92	33	e18	34	243	39	22	16	35	7.2	76
25	19	65	26	e18	32	240	33	29	13	23	6.9	40
26	104	58	26	e17	29	233	118	89	11	16	7.1	26
27	83	49	30	e17	e26	175	156	103	9.3	13	7.5	19
28	45	39	29	e16	e25	150	76	61	8.1	12	6.5	48
29	30	36	28	e16	---	173	51	50	8.1	9.6	6.2	49
30	24	34	26	e16	---	172	41	37	8.7	8.3	7.0	33
31	21	---	27	e16	---	117	---	34	---	7.2	7.0	---
TOTAL	769.4	1,507	929	762	578	3,089	2,232	1,717	925.2	651.3	872.3	736.4
MEAN	24.8	50.2	30.0	24.6	20.6	99.6	74.4	55.4	30.8	21.0	28.1	24.5
MAX	104	163	74	36	34	302	156	147	148	95	90	128
MIN	4.9	14	14	16	14	19	33	22	8.1	4.9	6.2	6.1
CFSM	0.95	1.93	1.15	0.95	0.79	3.83	2.86	2.13	1.19	0.81	1.08	0.94
IN.	1.10	2.16	1.33	1.09	0.83	4.42	3.19	2.46	1.32	0.93	1.25	1.05

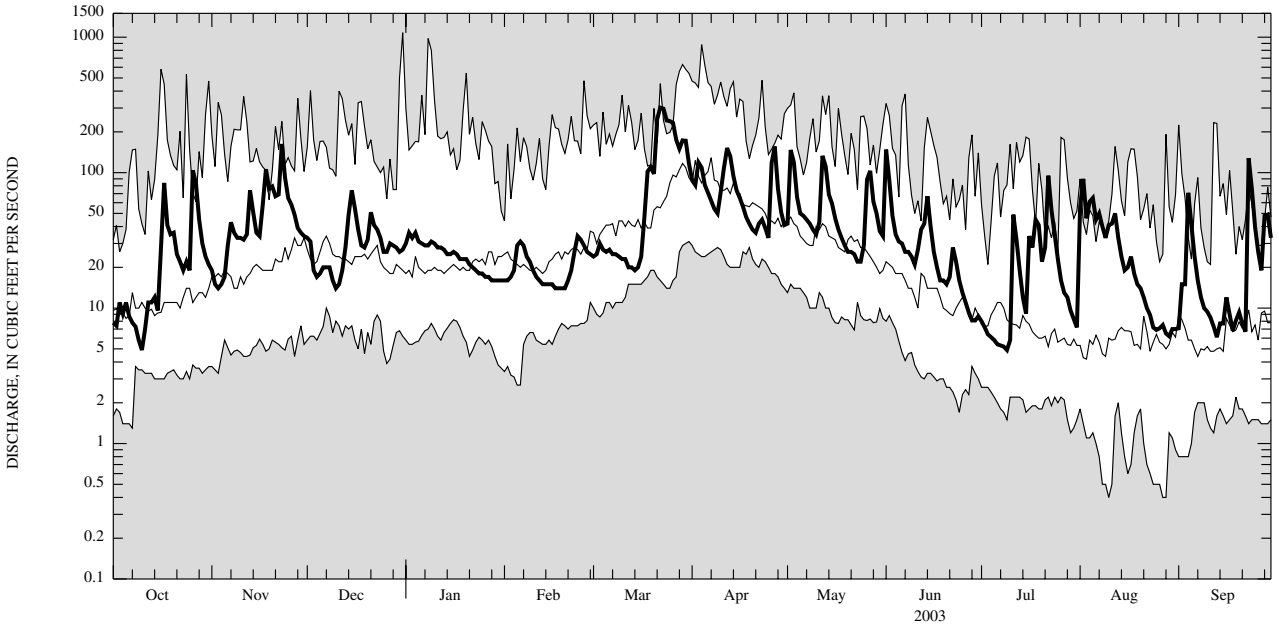
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2003, BY WATER YEAR (WY)

MEAN	20.0	33.6	36.8	36.4	35.3	76.5	97.1	45.4	24.2	13.4	11.5	11.9
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)

01330000 GLOWEGEE CREEK AT WEST MILTON, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1948 - 2003	
ANNUAL TOTAL	13,520.8		14,768.6			
ANNUAL MEAN	37.0		40.5		37.1	
HIGHEST ANNUAL MEAN					53.4	1956
LOWEST ANNUAL MEAN					22.4	1999
HIGHEST DAILY MEAN	447	Mar 27	302	Mar 22	1,080	Dec 31, 1948
LOWEST DAILY MEAN	1.2	Sep 12	4.9	Oct 10	0.40	Aug 10, 1949
ANNUAL SEVEN-DAY MINIMUM	1.8	Sep 8	5.5	Jul 4	0.51	Aug 22, 1949
ANNUAL RUNOFF (CFSM)	1.42		1.56		1.43	
ANNUAL RUNOFF (INCHES)	19.35		21.13		19.37	
10 PERCENT EXCEEDS	76		88		86	
50 PERCENT EXCEEDS	26		28		19	
90 PERCENT EXCEEDS	4.2		8.1		4.5	

e Estimated



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 22,000 ft^3/s, Mar. 30; minimum daily, about 2,400 ft^3/s, Oct. 9; maximum and miniumum instantaneous discharges not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3,300	e3,900	e8,400	e5,000	e4,100	e4,400	e15,000	e12,600	e9,500	e3,100	e4,000	e3,700
2	e2,800	e3,700	e8,400	e5,100	e4,400	e4,200	e13,200	e13,200	e10,000	e2,800	e5,200	e3,700
3	e2,600	e3,700	e7,600	e5,700	e4,200	e4,400	e12,100	e16,100	e8,900	e2,900	e3,500	e3,500
4	e2,500	e3,600	e7,600	e5,400	e4,400	e4,600	e12,200	e15,300	e9,800	e2,900	e3,800	e4,000
5	e2,700	e3,900	e7,400	e5,400	e5,200	e4,800	e9,100	e13,800	e9,100	e3,000	e3,400	e4,400
6	e2,800	e3,800	e7,400	e5,900	e5,400	e4,900	e9,300	e13,300	e8,700	e2,900	e4,200	e3,800
7	e2,800	e4,500	e7,600	e6,300	e5,100	e3,300	e9,000	e11,700	e8,700	e2,900	e5,100	e3,700
8	e2,500	e4,600	e7,300	e6,400	e4,700	e4,100	e8,000	e11,300	e8,400	e2,900	e3,600	e3,700
9	e2,400	e4,800	e7,100	e5,700	e4,600	e5,000	e7,300	e11,000	e8,200	e3,200	e3,900	e3,700
10	e2,700	e4,500	e6,500	e6,400	e5,000	e3,500	e6,900	e10,800	e7,600	e2,900	e5,100	e3,200
11	e2,500	e6,000	e6,500	e7,200	e4,800	e3,200	e7,100	e10,400	e7,200	e3,500	e7,600	e3,100
12	e2,600	e5,900	e6,900	e7,600	e4,400	e3,700	e7,400	e11,200	e7,200	e3,600	e8,200	e3,100
13	e2,600	e7,200	e6,000	e6,800	e4,600	e3,800	e9,000	e14,800	e7,000	e3,400	e9,200	e3,300
14	e3,100	e9,000	e7,200	e6,200	e4,300	e4,000	e9,600	e16,100	e8,000	e3,900	e6,900	e2,900
15	e2,900	e8,700	e7,300	e5,700	e4,200	e3,200	e9,900	e15,900	e8,500	e2,600	e8,400	e3,600
16	e2,800	e8,600	e7,200	e5,600	e4,100	e3,200	e14,400	e14,600	e7,000	e3,300	e7,400	e3,100
17	e4,300	e9,000	e7,400	e5,300	e4,100	e4,500	e17,800	e12,200	e7,800	e3,400	e7,300	e3,400
18	e3,500	e10,000	e6,300	e5,000	e4,100	e7,000	e14,700	e11,000	e7,500	e3,400	e6,700	e3,100
19	e3,600	e8,900	e6,300	e4,700	e4,300	e8,500	e12,800	e10,600	e6,500	e2,700	e5,700	e3,300
20	e4,200	e9,500	e6,600	e4,900	e4,200	e7,500	e11,300	e9,700	e6,800	e2,700	e4,900	e3,300
21	e4,200	e8,600	e7,100	e4,300	e4,000	e10,000	e11,200	e9,000	e5,000	e3,400	e4,700	e3,300
22	e4,000	e8,600	e6,300	e4,300	e4,000	e15,000	e12,000	e8,600	e4,200	e3,600	e4,400	e3,500
23	e3,700	e13,000	e7,000	e4,100	e4,400	e18,000	e12,900	e8,200	e4,100	e4,000	e4,400	e4,300
24	e2,700	e12,500	e7,000	e4,100	e4,800	e15,000	e13,500	e7,800	e3,700	e4,700	e3,600	e4,600
25	e3,200	e11,000	e6,700	e4,200	e5,000	e14,000	e11,600	e7,800	e3,600	e5,600	e3,900	e4,100
26	e3,500	e9,700	e5,500	e4,000	e4,400	e16,500	e11,500	e8,000	e3,500	e4,200	e3,300	e3,600
27	e3,600	e9,900	e5,700	e4,000	e4,400	e18,000	e13,400	e8,400	e3,100	e4,000	e3,300	e3,600
28	e4,800	e9,600	e4,800	e4,200	e4,300	e17,000	e13,100	e8,600	e3,200	e4,100	e3,300	e4,400
29	e4,300	e9,100	e5,900	e4,000	---	e17,500	e14,800	e9,900	e3,200	e4,200	e3,500	e6,800
30	e3,900	e8,900	e5,300	e4,100	---	e22,000	e14,000	e8,800	e3,100	e3,700	e3,300	e6,600
31	e3,600	---	e6,200	e4,000	---	e20,500	---	e9,900	---	e3,600	e3,300	---
TOTAL	100,700	224,700	210,500	161,600	125,500	275,300	344,100	350,600	199,100	107,100	155,100	114,400
MEAN	3,248	7,490	6,790	5,213	4,482	8,881	11,470	11,310	6,637	3,455	5,003	3,813
MAX	4,800	13,000	8,400	7,600	5,400	22,000	17,800	16,100	10,000	5,600	9,200	6,800
MIN	2,400	3,600	4,800	4,000	4,000	3,200	6,900	7,800	3,100	2,600	3,300	2,900

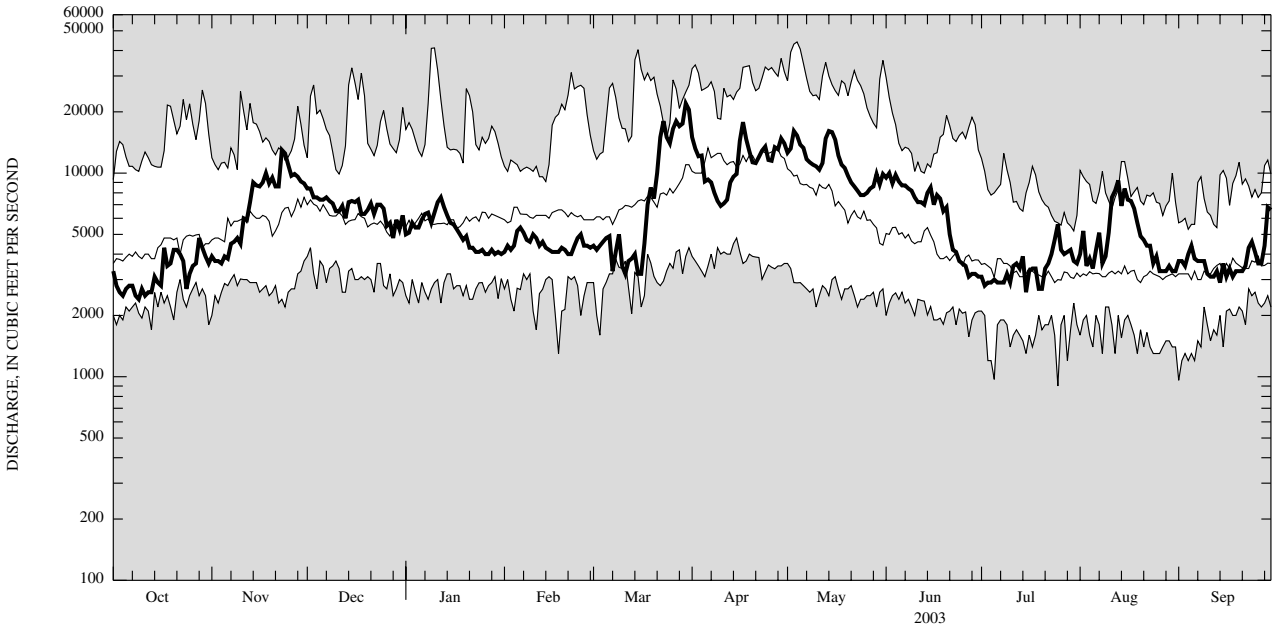
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

MEAN	5,045	6,694	6,885	6,633	6,549	8,443	12,850	9,458	5,462	3,607	3,569	3,710
MAX	12,060	11,880	13,820	12,540	11,760	14,610	21,760	19,960	9,787	5,716	6,787	6,311
(WY)	(1978)	(1996)	(1997)	(1998)	(1981)	(1979)	(1993)	(1983)	(1998)	(1996)	(2000)	(1987)
MIN	2,452	2,893	3,558	3,041	2,751	4,735	3,987	2,790	2,380	2,042	2,206	2,477
(WY)	(2002)	(2002)	(1999)	(1981)	(1980)	(1989)	(1995)	(1995)	(1995)	(1995)	(1999)	(2001)

01331095 HUDSON RIVER AT STILLWATER, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977 - 2003	
ANNUAL TOTAL	2,192,200		2,368,700			
ANNUAL MEAN	6,006		6,490		6,541	
HIGHEST ANNUAL MEAN					8,808	1996
LOWEST ANNUAL MEAN					4,344	1995
HIGHEST DAILY MEAN	25,000	Apr 15	22,000	Mar 30	44,100	May 4, 1983
LOWEST DAILY MEAN	1,600	Aug 25	2,400	Oct 9	900	Jul 25, 1983
ANNUAL SEVEN-DAY MINIMUM	2,290	Sep 10	2,590	Oct 7	1,390	Aug 23, 1995
10 PERCENT EXCEEDS	9,180		12,100		12,000	
50 PERCENT EXCEEDS	6,000		5,000		5,040	
90 PERCENT EXCEEDS	2,600		3,200		2,790	

e Estimated



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.

HUDSON RIVER BASIN

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.

AVERAGE DISCHARGE.--63 years, 273 ft^3/s, 29.40 in/yr (water years, 1941– 2003).

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, 4,580 ft^3/s, Mar. 29, gage height, 9.57 ft (from peak-stage indicator); minimum daily, 62 ft^3/s, July 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	152	263	293	e162	e145	823	216	438	94	320	103
2	81	142	228	353	e162	e160	748	389	325	86	673	181
3	92	130	196	281	e158	e175	951	367	253	82	259	168
4	82	130	171	276	e154	179	882	282	216	77	213	684
5	118	136	184	257	e151	191	659	251	204	73	265	434
6	97	210	186	243	145	e188	555	235	203	72	587	274
7	79	247	160	232	140	e185	475	227	215	69	352	213
8	73	186	169	231	133	185	410	225	258	70	258	164
9	68	193	136	235	127	184	386	216	216	75	198	146
10	68	244	126	219	125	169	452	179	199	79	439	133
11	78	258	151	201	122	169	519	185	186	125	579	125
12	743	315	193	201	119	161	749	548	213	103	962	117
13	441	699	183	190	e117	160	801	800	211	82	882	110
14	251	424	406	176	e118	155	707	534	397	76	488	116
15	182	316	441	176	e119	154	903	396	271	71	347	125
16	180	268	309	173	e117	182	1230	317	201	156	269	196
17	447	330	241	176	e116	327	833	275	173	150	390	145
18	303	582	197	e175	e118	646	548	259	158	99	430	117
19	222	383	207	e175	e117	673	485	223	157	108	316	229
20	186	391	536	e174	e123	529	457	201	147	89	248	212
21	157	401	716	e168	e122	1490	423	193	150	86	215	142
22	138	547	423	e162	e134	1930	427	188	258	163	206	115
23	141	1080	350	e162	e178	1550	407	174	258	132	209	575
24	137	565	306	e161	e177	1130	350	176	177	124	149	499
25	127	440	269	e160	e168	1370	318	176	144	96	133	262
26	288	386	269	e158	e161	1600	326	334	128	79	147	222
27	333	345	261	e157	e156	1470	357	397	112	72	176	191
28	245	294	243	e157	e152	1260	302	334	101	68	123	1280
29	197	275	234	e158	---	2100	268	338	94	65	111	1120
30	176	269	215	e161	---	2440	230	277	111	63	122	544
31	163	---	226	e163	---	1170	---	247	---	62	108	---
TOTAL	5983	10338	8195	6204	3891	22427	16981	9159	6174	2846	10174	8942
MEAN	193	345	264	200	139	723	566	295	206	91.8	328	298
MAX	743	1080	716	353	178	2440	1230	800	438	163	962	1280
MIN	68	130	126	157	116	145	230	174	94	62	108	103
CFSM	1.53	2.73	2.10	1.59	1.10	5.74	4.49	2.34	1.63	0.73	2.60	2.37
IN.	1.77	3.05	2.42	1.83	1.15	6.62	5.01	2.70	1.82	0.84	3.00	2.64
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)												
MEAN	172	256	271	245	241	448	670	370	224	133	121	124
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	91852		111314			
ANNUAL MEAN	252		305		273	
HIGHEST ANNUAL MEAN					368	1975
LOWEST ANNUAL MEAN					135	1965
HIGHEST DAILY MEAN	1500	Jun 6	2440	Mar 30	10400	Dec 31 1948
LOWEST DAILY MEAN	35	Sep 14	62	Jul 31	24	Sep 9 1980
ANNUAL SEVEN-DAY MINIMUM	41	Sep 8	72	Jul 25	25	Sep 9 1980
MAXIMUM PEAK FLOW			4580	Mar 29	13000	Dec 31 1948
MAXIMUM PEAK STAGE			9.57	Mar 29	14.85	Dec 31 1948
INSTANTANEOUS LOW FLOW			62	Jul 31	5.8	Aug 30 1940
ANNUAL RUNOFF (CFSM)	2.00		2.42		2.16	
ANNUAL RUNOFF (INCHES)	27.12		32.86		29.40	
10 PERCENT EXCEEDS	480		584		580	
50 PERCENT EXCEEDS	208		201		168	
90 PERCENT EXCEEDS	57		103		67	

e Estimated

HUDSON RIVER BASIN

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.

AVERAGE DISCHARGE.--54 years, 82.9 ft^3/s, 26.43 in/yr (water years, 1950–2003).

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, 1,050 ft^3/s, Mar. 21, gage height, 3.73 ft; minimum, 13 ft^3/s, Oct. 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	49	136	148	e25	49	328	65	130	30	82	28
2	16	43	120	165	e25	67	e300	83	107	28	172	51
3	20	40	99	129	e26	79	e361	70	87	27	60	37
4	17	41	86	126	e34	e71	e344	62	78	25	53	156
5	22	41	92	118	e40	e76	e267	59	73	24	89	102
6	18	107	87	109	e38	e73	e218	57	71	23	171	68
7	16	78	76	97	e37	e69	e179	56	76	22	96	55
8	15	62	71	100	e34	e65	e152	54	76	25	71	47
9	14	60	58	e107	e28	e60	e146	53	66	25	69	40
10	14	63	61	e98	e29	e60	e168	48	65	24	154	37
11	16	73	77	e77	e26	e57	e200	52	62	37	232	34
12	305	106	86	e70	e27	59	214	123	64	26	383	32
13	153	218	74	e65	e25	58	221	154	61	23	391	30
14	91	153	281	e59	e24	e50	201	133	139	21	234	35
15	64	128	243	e58	e23	54	206	112	97	20	166	35
16	62	127	165	e57	e21	79	245	93	81	41	130	38
17	122	215	134	e55	e21	196	190	86	69	29	113	31
18	101	297	110	e47	e25	346	155	78	62	23	100	29
19	77	210	112	e46	e26	328	140	69	60	30	80	32
20	65	209	340	e45	e26	289	134	62	57	22	66	34
21	56	192	359	e42	e25	781	123	60	57	21	57	29
22	48	237	253	e38	e33	777	127	56	87	38	63	27
23	49	369	201	e36	e70	640	115	53	69	27	58	160
24	43	277	165	e36	e78	497	97	50	56	24	44	99
25	39	231	146	e28	e69	496	88	49	48	22	39	64
26	105	199	136	e29	e59	538	90	88	43	20	42	56
27	89	171	127	e28	e56	471	88	84	38	19	38	50
28	74	144	118	e29	60	380	82	83	34	18	32	289
29	64	134	104	e29	---	531	75	84	32	17	30	241
30	58	133	e100	e28	---	676	69	79	36	16	32	166
31	52	---	110	e26	---	438	---	77	---	15	29	---
TOTAL	1903	4407	4327	2125	1010	8410	5323	2332	2081	762	3376	2132
MEAN	61.4	147	140	68.5	36.1	271	177	75.2	69.4	24.6	109	71.1
MAX	305	369	359	165	78	781	361	154	139	41	391	289
MIN	14	40	58	26	21	49	69	48	32	15	29	27
CFSM	1.44	3.45	3.28	1.61	0.85	6.37	4.17	1.77	1.63	0.58	2.56	1.67
IN.	1.66	3.85	3.78	1.86	0.88	7.34	4.65	2.04	1.82	0.67	2.95	1.86
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2003, BY WATER YEAR (WY)												
MEAN	46.1	77.2	92.6	80.2	81.9	146	203	111	66.2	32.4	29.8	29.6
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1949 - 2003	
ANNUAL TOTAL	31032.4		38188			
ANNUAL MEAN	85.0		105		82.9	
HIGHEST ANNUAL MEAN					126	1975
LOWEST ANNUAL MEAN					31.7	1965
HIGHEST DAILY MEAN	383	Jun 6	781	Mar 21	2200	Dec 21 1973
LOWEST DAILY MEAN	5.2	Sep 14	14	Oct 9	3.2	Sep 20 1964
ANNUAL SEVEN-DAY MINIMUM	5.6	Sep 8	16	Oct 5	3.4	Sep 19 1964
MAXIMUM PEAK FLOW			1050	Mar 21	4060	Dec 21 1973
MAXIMUM PEAK STAGE			3.73	Mar 21	6.35	Mar 13 1977
INSTANTANEOUS LOW FLOW			13	Oct 10	3.1	Sep 20 1964
ANNUAL RUNOFF (CFSM)	2.00		2.46		1.95	
ANNUAL RUNOFF (INCHES)	27.10		33.35		26.43	
10 PERCENT EXCEEDS	195		231		186	
50 PERCENT EXCEEDS	70		66		49	
90 PERCENT EXCEEDS	10		25		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 National Geodetic Vertical Datum 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.

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)
Mar 29	2330	*4,280	*8.24

No other peak greater than base discharge.

Minimum discharge, 50 ft^3/s, July 7, 8, 9, 31, Aug. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	138	234	283	e110	104	562	237	271	78	285	79
2	92	124	205	294	e110	155	518	705	227	69	690	108
3	109	112	174	237	109	e160	659	529	189	62	268	104
4	90	106	e150	226	125	e130	537	360	169	60	170	165
5	95	107	155	215	142	135	449	300	164	59	235	154
6	90	149	163	202	e125	159	397	270	166	56	539	111
7	79	172	e145	190	113	e135	345	254	161	53	342	93
8	74	143	150	193	e105	124	317	242	177	53	225	81
9	68	140	132	191	e100	129	300	226	155	56	196	77
10	64	185	e135	178	e98	e114	325	204	137	62	254	71
11	67	201	134	168	e95	e112	375	198	131	180	252	72
12	256	222	162	165	e95	109	441	547	137	137	396	64
13	224	461	156	155	e93	107	481	1,090	135	90	432	59
14	171	303	283	e150	e91	106	427	792	250	76	331	68
15	131	229	338	e150	e91	104	566	514	191	65	234	78
16	123	206	239	e145	e91	136	1,020	411	141	93	190	79
17	311	273	184	e143	e95	253	728	338	128	116	208	79
18	269	450	e145	e141	e93	384	482	296	117	82	302	65
19	195	311	e160	e139	e90	375	432	265	115	79	193	74
20	163	307	488	e137	e90	324	471	241	106	66	154	122
21	139	301	640	e133	89	790	462	225	114	66	130	94
22	124	331	368	e127	100	936	452	214	176	189	122	77
23	128	801	296	e125	195	788	433	198	148	138	121	349
24	124	457	256	e120	191	586	363	190	115	119	103	334
25	116	369	230	e117	146	681	320	186	102	119	97	170
26	217	327	e220	e115	e115	859	336	267	93	84	93	163
27	275	294	220	e115	e112	788	356	322	82	72	116	131
28	205	253	208	e113	e110	695	308	284	75	67	94	514
29	165	237	202	e113	---	1,620	281	270	71	60	83	557
30	144	232	185	e113	---	1,860	252	226	80	56	87	296
31	130	---	206	e110	---	810	---	201	---	52	81	---
TOTAL	4,526	7,941	6,963	5,003	3,119	13,768	13,395	10,602	4,323	2,614	7,023	4,488
MEAN	146	265	225	161	111	444	446	342	144	84.3	227	150
MAX	311	801	640	294	195	1,860	1,020	1,090	271	189	690	557
MIN	64	106	132	110	89	104	252	186	71	52	81	59

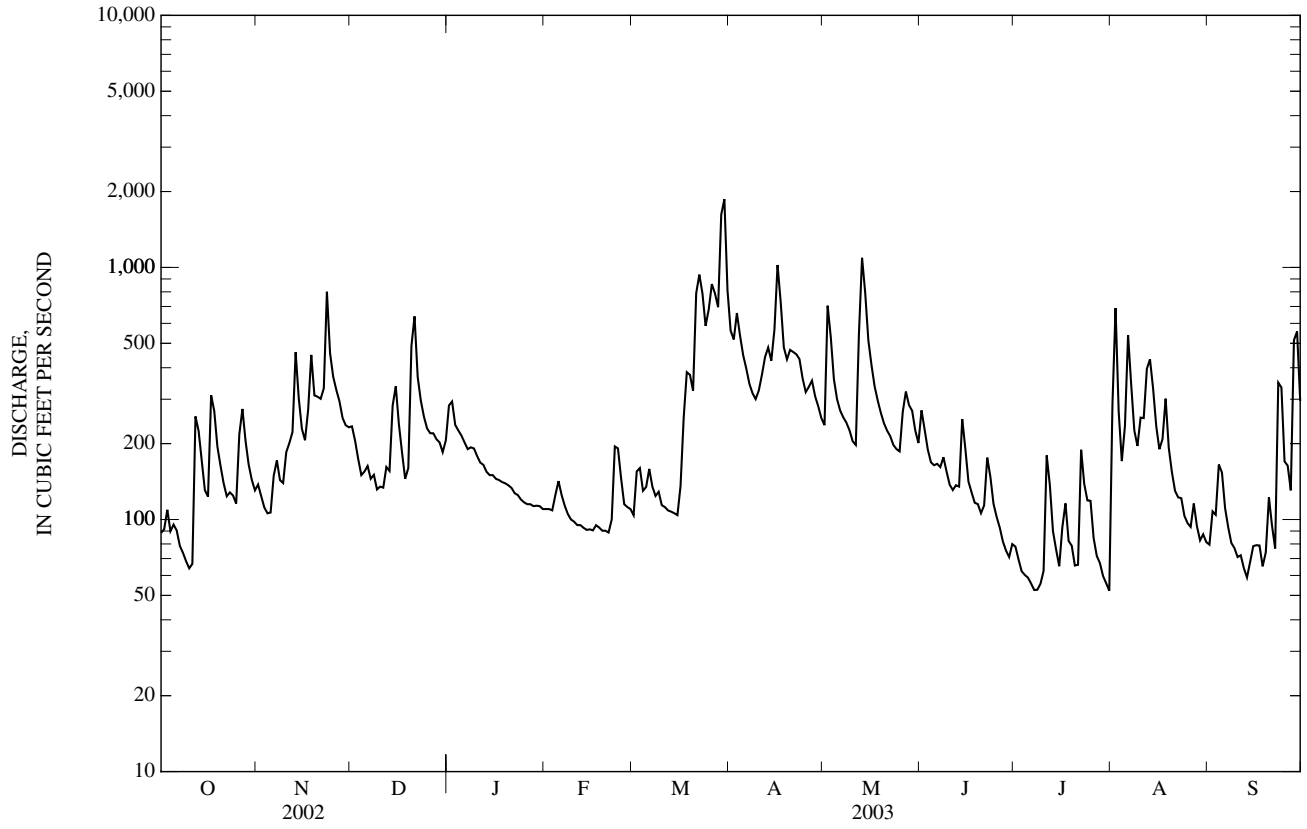
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2003, BY WATER YEAR (WY)

MEAN	149	208	212	195	181	322	533	322	183	123	106	116
MAX	418	412	471	425	575	958	1,008	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)

01334000 WALLOOMSAC RIVER NEAR NORTH BENNINGTON, VT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1931 - 2003	
ANNUAL TOTAL	81,088		83,765			
ANNUAL MEAN	222		229		221	
HIGHEST ANNUAL MEAN					362	1976
LOWEST ANNUAL MEAN					98.9	1965
HIGHEST DAILY MEAN	1,990	Jun 6	1,860	Mar 30	6,350	Dec 31, 1948
LOWEST DAILY MEAN	a 37	Sep 10	52	Jul 31	b 21	Sep 22, 1964
ANNUAL SEVEN-DAY MINIMUM	39	Sep 8	57	Jul 3	22	Sep 20, 1964
MAXIMUM PEAK FLOW			4,280	Mar 29	c 8,450	Sep 21, 1938
MAXIMUM PEAK STAGE			d 8.24	Mar 29	12.04	Sep 21, 1938
INSTANTANEOUS LOW FLOW			f 50	Jul 7	4.0	Sep 27, 1932
10 PERCENT EXCEEDS	433		459		456	
50 PERCENT EXCEEDS	185		162		143	
90 PERCENT EXCEEDS	61		79		57	

a Also occurred on September 14, 2002
b Also occurred on September 23, 1964 and July 12 1965
c From rating curve extended above 2,800 ft^3/s on basin of contracted-opening measurements at gage heights 10.13 ft, 10.49 ft, 11.50 ft, and 12.04 ft, and slope-area measurements and computation of flow over dam at gage height 12.04 ft
d From peak indicator clip
e Estimated
f Also occurred on July 8, 9, 31, and August 1



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)
Mar 30	0330	*11,100	*11.04

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 129 ft^3/s, July 15, gage height, 2.13 ft, result of regulation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	334	554	1,290	1,360	e420	e640	2,940	853	1,210	315	648	302
2	291	533	1,090	1,670	e460	e640	2,580	1,810	1,110	278	2,250	411
3	337	488	960	1,340	e500	e660	3,400	1,720	895	257	1,020	460
4	293	465	795	1,260	e580	e680	3,120	1,270	786	239	732	929
5	312	479	e780	1,180	e600	e740	2,610	1,100	733	227	896	1,100
6	352	641	e760	1,100	e560	e860	2,280	1,010	729	216	1,730	695
7	283	866	e780	1,040	e520	e960	1,990	969	684	204	1,300	547
8	256	694	786	1,020	e470	e740	1,780	930	810	203	914	458
9	237	645	655	e940	e420	e800	1,670	892	696	204	788	399
10	225	711	621	e860	e370	e740	1,770	808	649	226	1,010	361
11	230	783	691	e800	e350	e680	2,070	771	587	412	1,210	335
12	1,210	871	794	e700	e350	e700	2,220	1,770	629	427	2,660	318
13	1,470	1,910	802	e660	e350	e560	2,450	3,190	600	287	2,670	283
14	872	1,570	1,560	e620	e350	e440	2,170	2,600	971	246	1,780	298
15	662	1,210	2,350	e600	e340	e420	2,260	1,920	852	222	1,240	358
16	574	1,050	1,620	e580	e330	e400	3,180	1,580	656	249	962	360
17	1,240	1,520	1,270	e540	e320	e1,000	2,670	1,340	572	445	935	374
18	1,140	2,630	1,010	e560	e320	2,700	1,910	1,190	517	300	1,310	298
19	872	1,870	1,090	e580	e320	2,820	1,660	1,060	510	280	902	297
20	736	1,820	1,930	e560	e340	2,380	1,630	950	474	248	726	535
21	628	1,760	3,470	e540	e470	5,040	1,540	880	477	234	617	397
22	559	1,830	2,190	e500	e560	6,420	1,510	838	676	475	564	324
23	547	3,830	1,790	e520	e780	5,700	1,510	766	707	456	606	949
24	543	2,600	1,530	e540	e1,100	3,880	1,310	728	537	389	474	1,470
25	492	2,140	1,360	e540	e900	3,890	1,180	708	453	356	416	774
26	799	1,880	1,240	e520	e740	4,620	1,160	909	403	280	395	649
27	1,120	1,670	1,280	e480	e660	4,300	1,250	1,360	362	242	550	555
28	872	1,440	1,170	e460	e640	3,550	1,100	1,060	323	225	406	1,620
29	713	1,310	1,080	e430	---	4,520	1,010	1,110	301	207	348	2,970
30	640	1,250	979	e400	---	7,930	907	945	323	190	347	1,540
31	591	---	1,030	e400	---	4,130	---	830	---	178	328	---
TOTAL	19,430	41,020	38,753	23,300	14,120	73,540	58,837	37,867	19,232	8,717	30,734	20,366
MEAN	627	1,367	1,250	752	504	2,372	1,961	1,222	641	281	991	679
MAX	1,470	3,830	3,470	1,670	1,100	7,930	3,400	3,190	1,210	475	2,670	2,970
MIN	225	465	621	400	320	400	907	708	301	178	328	283
CFSM	1.23	2.68	2.45	1.47	0.99	4.65	3.85	2.40	1.26	0.55	1.94	1.33
IN.	1.42	2.99	2.83	1.70	1.03	5.36	4.29	2.76	1.40	0.64	2.24	1.49

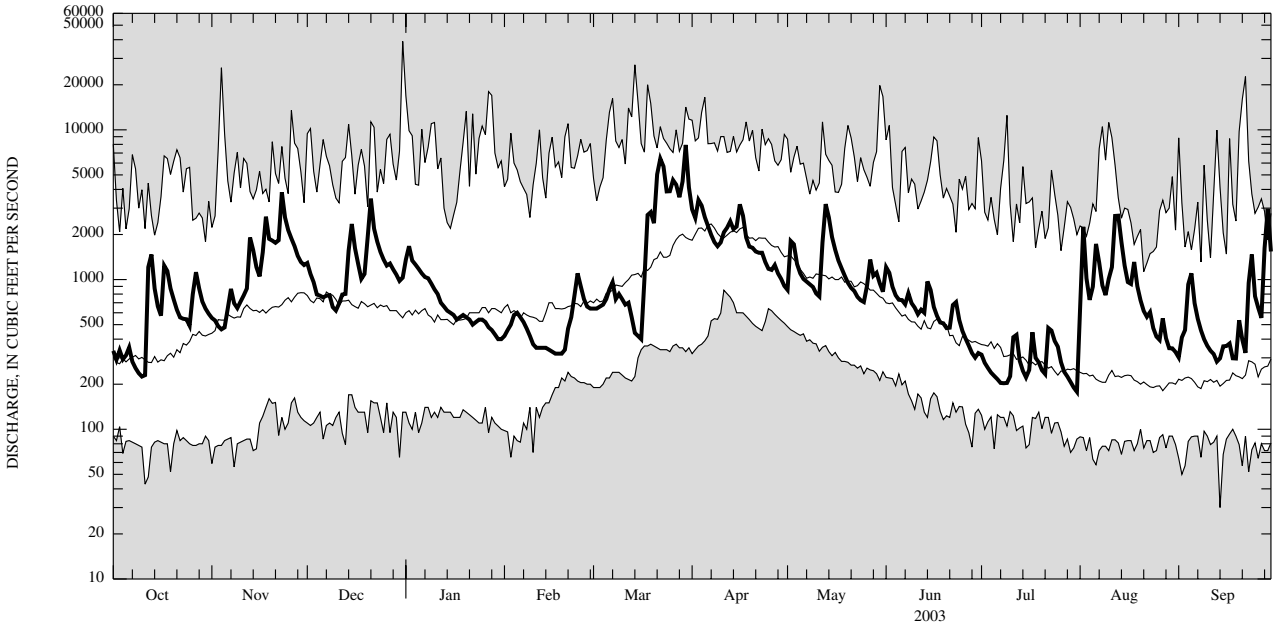
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2003, BY WATER YEAR (WY)

MEAN	527	885	981	949	927	1,686	2,314	1,285	716	436	358	392
MAX	2,238	3,394	2,449	3,002	2,546	4,595	4,247	3,094	2,362	1,349	1,893	2,668
(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)

01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1910 - 2003	
ANNUAL TOTAL	359,340		385,916			
ANNUAL MEAN	984		1,057		954	
HIGHEST ANNUAL MEAN					1,611	1976
LOWEST ANNUAL MEAN					378	1965
HIGHEST DAILY MEAN	7,180	Jun 6	7,930	Mar 30	39,000	Dec 31, 1948
LOWEST DAILY MEAN	113	Sep 14	178	Jul 31	30	Sep 14, 1913
ANNUAL SEVEN-DAY MINIMUM	123	Sep 8	217	Jul 4	77	Oct 7, 1964
ANNUAL RUNOFF (CFSM)	1.93		2.07		1.87	
ANNUAL RUNOFF (INCHES)	26.21		28.15		25.42	
10 PERCENT EXCEEDS	1,870		2,200		2,120	
50 PERCENT EXCEEDS	864		740		574	
90 PERCENT EXCEEDS	202		308		175	

e Estimated



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, 32,600 ft^3/s, Mar. 30, gage height, 26.45 ft; maximum gage height, 32.13 ft, May 14; minimum daily discharge, 2,600 ft^3/s, Oct. 9; minimum instantaneous discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,260	4,890	10,100	6,710	e5,000	5,100	23,900	15,000	11,700	3,240	4,960	e4,000
2	3,560	4,740	9,710	7,770	e5,000	4,950	19,300	15,800	12,400	3,370	7,400	4,100
3	3,330	4,680	9,500	7,220	e4,900	5,740	19,500	19,100	11,000	e3,200	6,910	3,870
4	2,940	4,810	7,940	7,720	5,110	5,980	18,800	18,600	11,200	e3,200	5,290	4,520
5	2,850	4,820	7,670	6,900	5,940	5,580	15,400	16,900	10,800	e3,200	5,590	5,870
6	2,890	4,980	8,140	7,120	7,220	6,380	13,500	16,100	10,300	e3,200	6,580	4,800
7	3,140	5,360	8,010	7,550	6,080	5,050	12,400	14,500	10,200	e3,400	6,820	4,030
8	3,270	e5,300	7,900	7,540	6,810	4,740	11,000	14,000	10,000	e3,200	6,590	3,980
9	2,600	7,040	7,260	6,760	5,710	6,020	9,490	12,800	9,910	e3,300	5,100	e4,000
10	2,810	5,870	6,800	7,540	5,860	5,300	9,510	12,000	9,520	e3,300	7,280	3,700
11	2,920	9,610	6,890	7,700	5,790	4,880	11,200	11,700	8,590	e3,700	10,000	e3,600
12	2,940	7,330	7,810	8,360	5,890	4,430	11,700	13,100	8,330	4,280	10,900	3,890
13	4,750	8,350	6,760	8,690	5,090	4,730	13,200	17,300	8,100	3,840	13,100	3,870
14	3,860	10,300	7,930	7,290	e5,000	5,050	12,800	20,600	8,970	4,390	11,300	3,650
15	4,080	9,680	11,100	6,960	e4,800	4,320	12,600	19,300	10,000	3,120	10,000	4,330
16	4,120	9,360	10,300	6,860	e4,800	4,380	15,800	17,900	9,610	3,450	8,770	3,690
17	5,150	10,200	9,560	6,070	e4,700	5,830	22,200	15,400	8,890	3,910	8,490	3,810
18	6,360	13,700	7,330	5,750	e4,800	11,200	e19,000	13,800	8,750	3,770	8,120	4,060
19	5,050	12,500	7,320	5,720	e5,000	13,900	e16,000	12,900	8,150	3,580	7,230	e3,600
20	5,090	12,900	8,040	5,700	e4,900	13,700	e13,000	11,300	7,130	3,140	5,730	3,700
21	5,340	12,300	13,700	e5,400	e4,800	19,100	13,500	10,400	5,390	3,480	5,350	3,590
22	5,300	11,200	10,400	e5,100	4,470	28,500	14,100	9,230	5,030	4,090	4,950	e4,000
23	4,480	21,000	9,460	e4,800	5,050	30,600	14,800	9,480	5,090	4,560	5,060	5,240
24	4,090	19,900	9,120	e4,900	e5,800	26,600	15,500	8,930	4,200	6,030	4,280	7,830
25	3,970	15,300	8,420	e5,000	e6,200	24,700	14,200	8,760	e4,000	5,930	4,340	5,230
26	5,250	13,600	7,450	e4,900	e5,800	26,200	13,300	8,900	e3,900	5,030	3,740	5,770
27	5,650	13,100	6,500	e4,800	e5,200	26,900	15,600	9,980	e3,800	4,920	3,730	5,100
28	6,110	12,400	7,050	e5,000	e5,200	24,800	15,300	10,000	e3,800	4,380	3,630	5,530
29	5,710	11,000	6,930	e4,900	---	24,100	16,400	10,900	e3,800	4,250	3,840	10,500
30	4,980	10,900	7,040	e4,800	---	30,400	15,800	10,400	e3,800	4,170	3,610	9,720
31	4,710	---	6,970	e4,800	---	28,900	---	10,900	---	4,100	3,410	---
TOTAL	131,560	297,120	259,110	196,330	150,920	418,060	448,800	415,980	236,360	120,730	202,100	143,580
MEAN	4,244	9,904	8,358	6,333	5,390	13,490	14,960	13,420	7,879	3,895	6,519	4,786
MAX	6,360	21,000	13,700	8,690	7,220	30,600	23,900	20,600	12,400	6,030	13,100	10,500
MIN	2,600	4,680	6,500	4,800	4,470	4,320	9,490	8,760	3,800	3,120	3,410	3,590

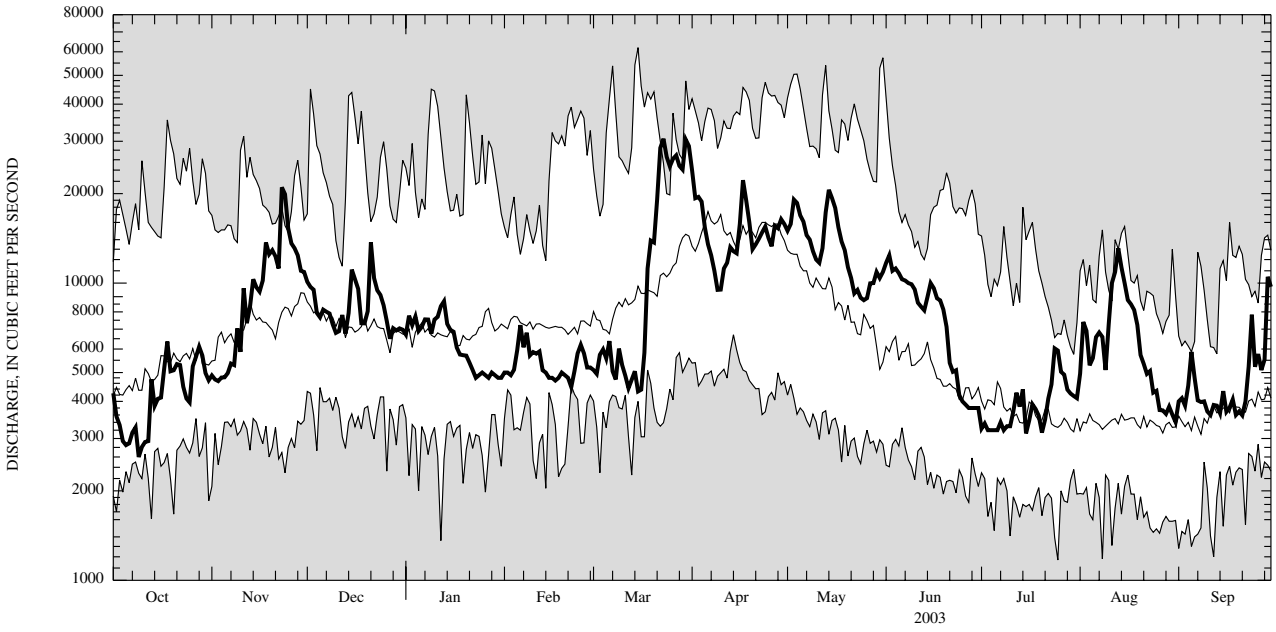
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2003, BY WATER YEAR (WY)

MEAN	5,432	7,382	7,732	7,781	7,338	11,050	15,950	11,060	6,437	4,366	3,876	4,123
MAX	16,560	14,490	18,960	18,480	16,250	25,600	29,480	24,610	16,750	12,740	8,605	11,320
(WY)	(1978)	(1996)	(1997)	(1949)	(1981)	(1936)	(1993)	(1996)	(1947)	(1935)	(2000)	(1938)
MIN	2,378	2,539	2,696	2,063	1,611	3,440	5,508	2,622	2,009	1,937	1,604	2,169
(WY)	(1942)	(1931)	(1931)	(1931)	(1931)	(1931)	(1995)	(1941)	(1941)	(1941)	(1941)	(1941)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1931 - 2003	
ANNUAL TOTAL	2,731,800		3,020,650			
ANNUAL MEAN	7,484		8,276		7,705	
HIGHEST ANNUAL MEAN					11,050	1996
LOWEST ANNUAL MEAN					4,240	1931
HIGHEST DAILY MEAN	29,900	Apr 16	30,600	Mar 23	94,400	Dec 31, 1948
LOWEST DAILY MEAN	1,820	Sep 11	2,600	Oct 9	614	Feb 1, 1931
ANNUAL SEVEN-DAY MINIMUM	2,560	Sep 9	2,930	Oct 5	1,180	Feb 1, 1931
10 PERCENT EXCEEDS	12,600		15,300		15,200	
50 PERCENT EXCEEDS	7,120		6,500		5,660	
90 PERCENT EXCEEDS	2,910		3,700		2,830	

e Estimated



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), 1976-2003 (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, 130 mg/L, Mar. 22; minimum daily mean, 1 mg/L, on several days.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 9,970 tons, Mar. 22; minimum daily, 12 tons, Sept. 3, and about 12 tons, Sept. 11.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Suspended sediment concentration mg/L (80154)
OCT		
01...	1705	2
02...	1745	2
03...	1610	3
04...	1020	2
05...	1735	2
06...	1720	3
07...	1755	2
08...	1700	2
09...	1800	2
10...	1805	2
11...	1105	2
12...	1420	2
13...	1340	3
14...	0655	3
15...	1745	4
16...	1750	2
17...	0550	8
17...	1710	8
18...	1730	5
19...	0935	4
20...	1340	4
22...	1955	4
23...	1845	3
24...	1800	2
25...	1825	2
26...	1450	4
27...	1400	4
28...	1605	4
29...	1520	5
30...	1555	4
31...	1650	3
NOV		
01...	1425	12
02...	1510	3
03...	1315	2
04...	1755	2
05...	1700	2
06...	1800	2
07...	1805	2
08...	1235	11
10...	1410	5
11...	1740	8
12...	1800	8
13...	1755	13
14...	1705	14
15...	1125	10
17...	1320	12
18...	1755	23
19...	1750	12
20...	1710	8
21...	1755	7
22...	1715	5
23...	1200	71
24...	1400	44
25...	0700	16
26...	1800	7
27...	1505	6
29...	1150	3
30...	1420	3
DEC		
01...	1705	3
02...	1755	5
04...	1805	2
05...	1720	2
06...	1425	1
07...	1610	2
08...	1630	2
10...	1710	1
12...	1700	1
15...	1600	8
19...	1855	2
20...	1335	2
21...	1925	40
22...	1845	11
23...	1740	6
24...	1355	6
26...	1725	2
27...	1420	3
28...	1335	2
30...	1715	3
31...	1455	2

01335770 HUDSON RIVER AT WATERFORD, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Suspended sediment concentration mg/L (80154)
JAN		
01...	0855	4
05...	1345	2
08...	1800	3
09...	1725	2
10...	1205	2
12...	1315	2
13...	1810	3
14...	1655	2
16...	1800	2
17...	1210	2
19...	1415	4
23...	1705	4
FEB		
03...	1755	3
04...	1700	4
05...	1755	4
06...	1700	4
08...	1245	4
09...	1445	2
20...	1925	2
21...	1830	2
23...	1335	2
24...	1840	3
25...	1125	2
27...	1655	2
28...	1445	3
MAR		
02...	1455	2
04...	1655	5
06...	1725	4
07...	1455	3
08...	1640	7
09...	1340	3
11...	1705	4
12...	1735	2
MAR		
14...	1320	2
15...	1420	1
17...	1455	6
18...	1800	63
19...	0545	54
20...	0550	36
20...	1840	24
21...	0655	55
21...	2115	125
22...	0845	139
22...	1805	125
23...	0805	102
23...	0958	99
23...	1003	103
23...	1008	100
23...	1013	102
23...	1020	100
23...	1026	94
23...	1032	100
23...	1825	91
24...	0645	57
24...	1750	40
25...	0555	38
25...	1700	36
26...	0655	36
26...	1810	42
27...	0545	40
27...	1705	40
28...	0655	31
28...	1715	23
29...	1215	21
30...	0820	68
30...	1820	143
31...	0655	61
31...	1755	35

Date	Time	Suspended sediment concentration mg/L (80154)
APR		
01...	1705	16
02...	1755	10
03...	1705	17
06...	1310	7
07...	1455	4
08...	1420	5
09...	1500	6
10...	1435	6
11...	1505	42
12...	1840	12
13...	1155	12
14...	1455	19
15...	1855	8
16...	1515	11
17...	0500	28
17...	1435	25
18...	0550	15
18...	1510	22
19...	1620	9
20...	1745	6
21...	1500	4
22...	1435	4
23...	1540	6
24...	1450	8
25...	1430	4
27...	1540	9
28...	1520	9
29...	1445	8
30...	1515	7
MAY		
01...	1415	6
02...	1530	14
03...	0730	22
03...	1610	16
04...	1145	12
05...	1510	12
06...	1515	10
07...	1540	7
08...	1705	5
09...	2015	5
10...	1615	4
11...	1805	6
13...	1815	15
14...	1845	18
15...	1805	11
16...	2045	9
17...	1845	7
18...	1635	6
19...	1845	5
20...	1435	6
21...	1820	4
22...	1825	5
23...	1935	3
24...	2100	3
25...	1325	3
26...	1500	4
27...	1820	5
28...	1645	4
29...	1320	4
30...	2055	4
31...	1945	5

01335770 HUDSON RIVER AT WATERFORD, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Suspended sediment concentration mg/L (80154)
JUN		
01...	1730	8
02...	1815	8
03...	1920	5
04...	1815	6
05...	1450	4
06...	2055	6
07...	2020	4
08...	1945	4
09...	1650	5
11...	2120	5
12...	2235	4
13...	1910	4
14...	1805	4
15...	1535	6
16...	2110	5
17...	2120	4
18...	1835	4
19...	1855	4
20...	1535	5
21...	1805	4
22...	1545	4
23...	2040	4
24...	2045	4
25...	2230	3
26...	2215	4
27...	2125	4
28...	2055	3
29...	1920	4
30...	2040	3
JUL		
01...	2110	2
02...	2215	2
03...	2210	3
04...	2140	3
06...	1300	3
06...	2135	3
08...	2040	2
09...	2035	2
10...	2005	2
11...	2145	16
12...	2015	3
13...	1900	4
14...	1840	4
15...	2130	4
16...	1920	3
17...	1920	3
18...	1725	3
19...	2140	2
20...	2250	3
21...	1820	3
22...	2035	6
23...	1950	3
24...	2025	7
25...	2245	3
26...	1930	4
27...	2050	4
29...	1910	3
30...	1915	5
31...	1115	2

Date	Time	Suspended sediment concentration mg/L (80154)
AUG		
01...	2110	17
02...	2000	8
04...	2145	3
05...	2300	4
06...	2125	6
07...	2235	4
08...	2240	7
09...	1240	6
10...	2245	7
11...	2030	33
13...	1155	15
13...	2225	20
14...	1800	20
15...	2235	8
16...	1755	6
17...	2110	5
18...	2240	5
19...	2100	5
20...	2015	4
21...	2250	3
22...	1930	4
23...	1825	3
24...	2045	2
25...	2130	1
26...	1930	2
28...	1540	2
29...	1340	2
31...	1630	2
SEP		
03...	1635	1
04...	2035	4
05...	1930	2
06...	0945	2
07...	1130	2
09...	2110	2
10...	1610	2
11...	1605	1
13...	1805	2
14...	0930	1
15...	1510	2
16...	1440	2
17...	1535	2
18...	1435	2
19...	1425	2
20...	1420	6
21...	1535	2
22...	0845	3
22...	1520	3
23...	1745	40
24...	0615	11
24...	1545	11
25...	1455	5
26...	1635	6
28...	1520	3
29...	2005	14
30...	2145	10

01335770 HUDSON RIVER AT WATERFORD, NY—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Day	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2	23	7	85	3	84	4	67	e3	e43	e3	e35
2	2	20	5	61	4	115	e3	e73	e3	e42	2	29
3	3	24	2	28	4	100	e3	e58	3	e40	e3	e51
4	2	17	2	26	e2	e52	e3	e52	4	52	5	74
5	2	16	2	26	2	40	2	39	4	64	e5	e69
6	3	21	2	27	1	28	e2	e44	4	78	4	70
7	2	19	2	29	2	39	e3	e53	e4	e66	3	47
8	2	18	6	e88	2	42	3	59	4	70	6	76
9	2	14	e6	e124	e2	e32	2	42	2	36	4	60
10	2	15	5	83	1	21	2	41	e2	e32	e3	e49
11	2	16	7	189	e1	e19	e2	e42	e2	e31	4	50
12	2	17	8	161	1	21	2	47	e2	e32	3	30
13	3	36	12	266	e1	e20	3	64	e2	e27	e2	e26
14	3	33	14	377	e2	e51	2	44	e2	e27	2	26
15	4	41	11	280	8	230	e2	e38	e2	e26	1	16
16	4	43	e11	e278	e6	e158	2	37	e2	e26	e3	e39
17	8	113	13	356	e4	e96	2	35	e2	e25	7	119
18	7	124	20	750	e3	e55	e3	e46	e2	e26	64	2,000
19	4	56	15	510	2	44	4	59	e2	e27	53	2,010
20	4	55	9	312	4	97	e4	e62	2	e26	32	1,220
21	e4	e58	7	239	38	1,460	e4	e58	2	e26	80	4,510
22	4	57	6	195	18	498	e4	e55	e2	e24	130	9,970
23	3	40	57	3,430	7	187	4	e52	2	e28	98	8,070
24	2	26	48	2,670	6	144	e4	e52	3	e42	51	3,710
25	2	22	15	628	e4	e97	e4	e52	2	e36	37	2,480
26	4	51	8	282	3	51	e4	e50	e2	e31	39	2,750
27	4	61	6	216	3	48	e4	e47	2	e29	39	2,870
28	4	67	e5	e154	2	42	e4	e48	3	e39	28	1,850
29	5	73	3	95	e2	e46	e3	e46	---	---	24	1,580
30	4	56	3	88	3	54	e3	e44	---	---	105	8,850
31	3	41	---	---	2	45	e3	e43	---	---	54	4,310
TOTAL	---	1,273	---	12,053	---	4,016	---	1,549	---	1,051	---	57,046

01335770 HUDSON RIVER AT WATERFORD, NY—Continued

SUSPENDED-SEDIMENT—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Day	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21	1,370	6	255	7	225	2	21	13	171	e2	e19
2	12	620	11	493	8	265	2	18	11	221	e1	e16
3	15	788	18	934	6	178	3	e22	e6	e122	1	12
4	e24	e1,230	13	635	6	171	3	e26	4	58	3	36
5	e20	e886	12	542	5	133	e3	e26	4	54	3	43
6	8	281	10	443	5	149	3	e26	5	91	2	26
7	5	155	8	296	5	131	e3	e25	5	104	2	22
8	5	146	5	207	4	108	2	e19	6	97	e2	e22
9	6	148	5	172	5	126	2	e18	6	87	2	e22
10	11	295	4	142	e5	e129	2	e19	7	133	2	20
11	39	1,180	6	175	5	116	e7	e69	22	597	1	e12
12	16	512	e8	e281	4	100	6	66	e23	e668	e1	e15
13	13	458	13	630	4	87	4	38	17	600	2	19
14	17	592	21	1,150	4	99	4	47	20	603	1	13
15	11	373	13	679	5	148	4	34	12	335	2	21
16	12	546	10	468	5	138	3	31	7	159	2	20
17	24	1,470	8	319	4	106	3	32	5	123	2	21
18	19	e953	6	233	4	95	3	30	5	110	2	22
19	12	e507	5	184	4	89	2	23	5	98	2	e23
20	7	e235	6	172	5	90	3	22	4	68	5	49
21	4	162	5	128	4	63	3	29	3	50	3	29
22	4	158	5	115	4	54	5	55	4	47	3	e33
23	6	228	4	93	4	55	4	51	3	45	18	275
24	7	307	3	72	4	45	6	89	2	28	13	259
25	5	183	3	73	3	e37	5	76	1	16	6	91
26	e4	e153	4	93	4	e38	4	49	2	16	6	89
27	8	336	5	127	4	e41	4	53	e2	e20	e5	e65
28	9	370	4	115	3	e35	e4	e43	2	20	6	107
29	8	360	4	117	4	e37	3	37	2	21	27	760
30	7	305	4	113	3	e34	4	47	e2	e20	11	291
31	---	---	5	138	---	---	4	45	2	18	---	---
TOTAL	---	15,307	---	9,594	---	3,122	---	1,186	---	4,800	---	2,452
YEAR	113,449											

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. Satellite gage-height telemeter at 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, Oct. 1, 24, Nov. 8, 2002; minimum gage height, 0.63 ft, Oct. 24, 25, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,970 ft^3/s, May 13, gage height, 5.26 ft; minimum discharge, 15 ft^3/s, Oct. 1, 24, Nov. 8, gage height, 0.66 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

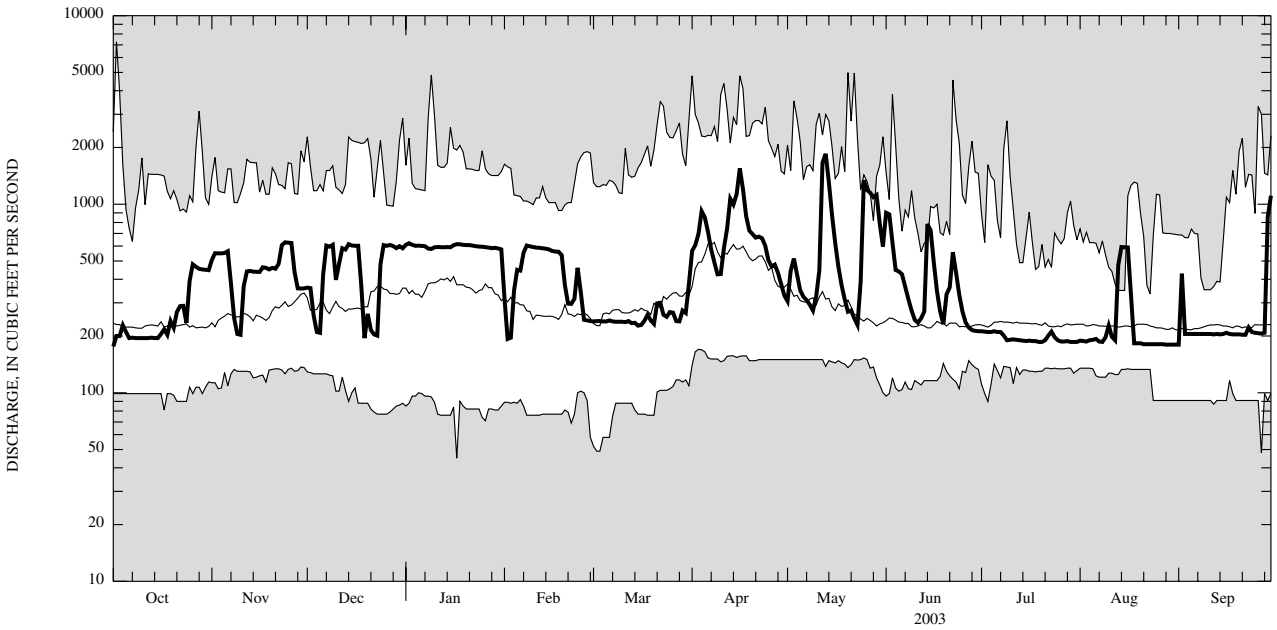
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	507	361	609	318	239	565	306	901	212	189	180
2	200	550	359	621	193	240	607	444	884	211	188	428
3	200	549	257	609	196	240	695	515	626	210	187	205
4	228	549	210	602	347	239	918	424	448	210	190	205
5	210	551	208	603	449	239	850	349	440	212	191	205
6	195	563	426	601	445	242	713	323	425	210	193	205
7	196	379	603	599	553	239	576	310	365	210	187	205
8	195	249	595	582	604	238	491	293	314	201	186	205
9	195	205	609	579	598	238	425	273	273	190	197	205
10	195	203	397	591	593	238	426	323	244	191	227	205
11	195	367	483	593	589	237	585	444	235	192	198	205
12	195	440	584	592	587	240	743	1,660	248	191	190	204
13	196	443	575	591	584	234	1,070	1,850	270	190	476	205
14	195	439	614	593	581	235	997	1,310	785	189	593	204
15	195	438	604	591	576	227	1,130	875	727	188	591	205
16	205	437	602	606	565	229	1,550	622	490	189	590	208
17	217	463	602	614	561	241	1,200	466	345	188	329	205
18	203	460	366	613	560	259	863	372	270	188	183	204
19	240	451	195	609	537	242	725	312	231	186	183	204
20	221	460	262	607	372	232	694	269	333	186	183	204
21	268	455	215	607	297	298	665	273	362	190	181	203
22	288	483	204	603	296	300	673	248	557	201	181	203
23	289	607	201	599	315	259	660	229	433	211	181	222
24	235	628	478	596	460	253	602	388	331	197	181	210
25	392	625	607	595	342	268	504	1,340	270	190	181	208
26	480	623	602	592	244	266	467	1,190	236	187	181	207
27	466	436	608	589	242	240	478	1,150	222	187	181	206
28	454	358	600	585	240	239	432	1,090	215	188	180	208
29	451	357	585	587	---	273	377	1,120	213	186	180	855
30	449	358	599	583	---	265	328	790	212	186	180	1,110
31	447	---	584	576	---	378	---	597	---	186	180	---
TOTAL	8,271	13,633	14,195	18,517	12,244	7,807	21,009	20,155	11,905	6,053	7,438	7,928
MEAN	267	454	458	597	437	252	700	650	397	195	240	264
MAX	480	628	614	621	604	378	1,550	1,850	901	212	593	1,110
MIN	176	203	195	576	193	227	328	229	212	186	180	180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	300	361	407	471	383	437	669	391	277	249	234	249
MAX	1,199	784	920	1,152	917	1,038	1,319	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)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	146,813		149,155			
ANNUAL MEAN	402		409		369	
HIGHEST ANNUAL MEAN					601	1947
LOWEST ANNUAL MEAN					219	1965
HIGHEST DAILY MEAN	2,890	Apr 14	1,850	May 13	7,270	Oct 2, 1945
LOWEST DAILY MEAN	120	Mar 26	176	Oct 1	45	Jan 17, 1931
ANNUAL SEVEN-DAY MINIMUM	133	Sep 4	180	Aug 26	55	Feb 28, 1931
10 PERCENT EXCEEDS	810		622		729	
50 PERCENT EXCEEDS	234		323		250	
90 PERCENT EXCEEDS	135		190		167	



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
(National streamflow information program station)

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 YEAR.--Peak discharges greater than base discharge of 6,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 29	2215	*6,780	*8.59

No other peak greater than base discharge.

Minimum discharge, 76 ft^3/s, July 7, gage height, 2.56 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	438	356	656	e230	e300	1,460	1,050	1,150	117	292	209
2	151	403	311	707	e240	e270	1,080	1,870	1,200	105	404	182
3	186	363	239	590	e240	e260	928	2,080	833	96	295	168
4	168	329	238	487	e240	e250	777	1,350	642	87	272	354
5	194	309	299	441	e250	e240	719	943	585	83	405	374
6	216	343	294	397	e270	e240	691	761	550	80	525	251
7	174	392	284	346	e280	e230	591	670	463	78	512	186
8	148	345	265	e320	e280	e220	527	594	421	89	421	151
9	127	378	242	e310	e290	e220	481	533	363	86	472	127
10	112	836	e230	e300	e280	e210	489	464	315	81	1,500	110
11	101	1,990	e230	e280	e270	e200	622	476	299	204	1,150	98
12	112	1,660	e230	e270	e260	e190	699	2,030	388	474	1,430	92
13	144	1,470	e240	e270	e250	e190	1,150	3,040	365	294	1,090	87
14	165	1,120	e250	e260	e240	e170	1,120	2,470	689	200	677	83
15	157	813	e260	e260	e230	e170	2,010	1,560	653	150	465	113
16	224	637	e260	e260	e230	e180	4,710	1,070	475	228	685	213
17	1,490	569	e240	e250	e220	e220	3,440	795	368	253	794	177
18	961	551	e240	e250	e230	e500	2,040	640	309	181	627	134
19	1,360	469	e260	e240	e240	e700	1,810	527	269	144	404	122
20	2,590	441	e600	e240	e240	e900	2,440	445	239	117	291	469
21	1,310	497	e1,500	e240	e240	e1,700	3,000	432	262	117	223	356
22	795	642	1,230	e240	e240	e2,300	3,360	395	577	803	188	239
23	606	1,380	829	e230	e250	2,780	3,120	353	434	1,720	159	729
24	481	986	615	e230	e300	1,920	1,950	408	295	1,810	133	1,020
25	395	721	477	e220	e340	1,810	1,360	817	217	1,320	116	625
26	940	588	e420	e220	e400	3,020	1,270	837	176	753	106	490
27	1,430	494	e380	e230	e380	2,610	1,510	858	150	509	103	381
28	1,110	365	e360	e230	e340	2,140	1,590	1,260	132	444	92	2,130
29	798	367	e320	e220	---	4,230	1,490	1,940	120	342	132	2,050
30	604	399	e290	e210	---	4,800	1,270	1,190	124	271	594	1,270
31	477	---	341	e230	---	2,490	---	834	---	206	323	---
TOTAL	17,917	20,295	12,330	9,634	7,500	35,660	47,704	32,692	13,063	11,442	14,880	12,990
MEAN	578	676	398	311	268	1,150	1,590	1,055	435	369	480	433
MAX	2,590	1,990	1,500	707	400	4,800	4,710	3,040	1,200	1,810	1,500	2,130
MIN	101	309	230	210	220	170	481	353	120	78	92	83
CFSM	2.24	2.62	1.54	1.20	1.04	4.46	6.16	4.09	1.69	1.43	1.86	1.68
IN.	2.58	2.93	1.78	1.39	1.08	5.14	6.88	4.71	1.88	1.65	2.15	1.87

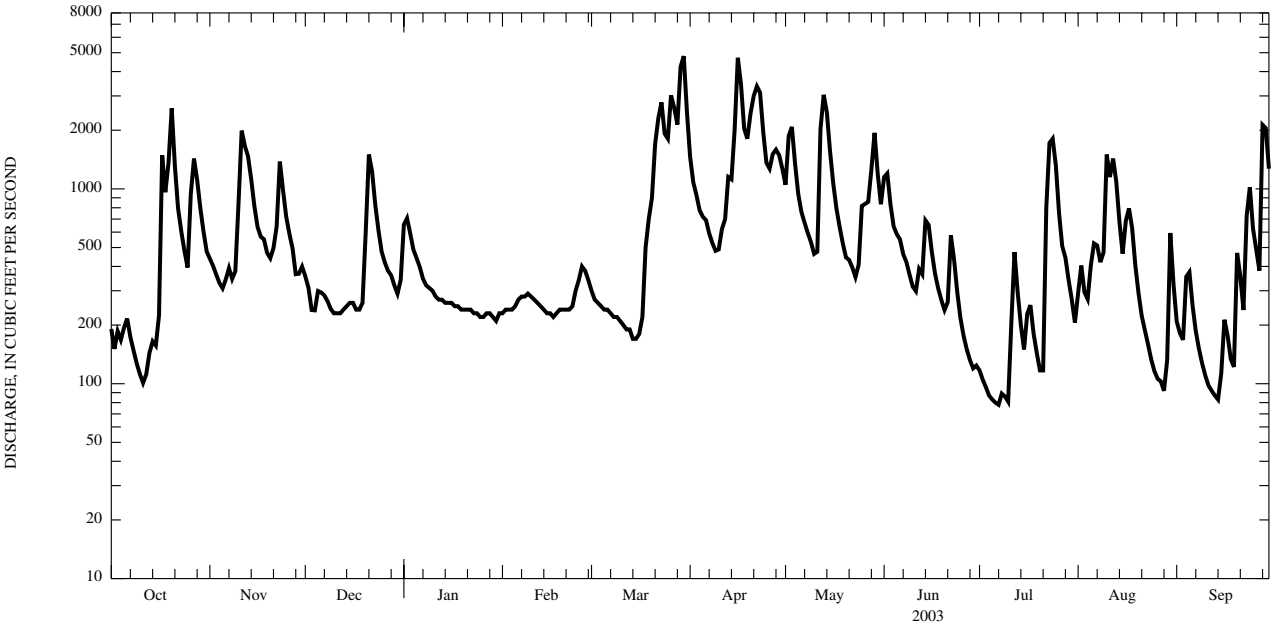
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	397	551	442	286	464	1,056	2,035	1,015	575	224	209	243
MAX	578	676	487	311	660	1,150	2,480	1,055	714	369	480	433
(WY)	(2003)	(2003)	(2002)	(2003)	(2002)	(2003)	(2002)	(2003)	(2002)	(2003)	(2003)	(2003)
MIN	216	425	398	260	268	962	1,590	976	435	102	49.3	144
(WY)	(2002)	(2002)	(2003)	(2002)	(2003)	(2002)	(2003)	(2002)	(2003)	(2002)	(2002)	(2001)

01343060 WEST CANADA CREEK NEAR WILMURT, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	242,206		236,107			
ANNUAL MEAN	664		647		633	
HIGHEST ANNUAL MEAN					647	2003
LOWEST ANNUAL MEAN					620	2002
HIGHEST DAILY MEAN	10,800	Apr 14	4,800	Mar 30	10,800	Apr 14, 2002
LOWEST DAILY MEAN	35	Sep 13	78	Jul 7	35	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	37	Sep 8	83	Jul 4	37	Sep 8, 2002
ANNUAL RUNOFF (CFSM)	2.57		2.51		2.45	
ANNUAL RUNOFF (INCHES)	34.92		34.04		33.35	
10 PERCENT EXCEEDS	1,420		1,530		1,460	
50 PERCENT EXCEEDS	390		363		360	
90 PERCENT EXCEEDS	52		146		83	

e Estimated



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. Satellite gage-height telemeter at station.

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, 7,030 ft^3/s, Mar. 22, gage height, 5.46 ft; minimum discharge, 224 ft^3/s, Oct. 2, gage height, 2.06 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	375	1,090	1,400	1,660	e660	836	2,820	2,450	2,590	734	804	795
2	361	1,130	1,330	1,600	649	860	2,730	2,780	2,170	678	800	853
3	380	1,120	e1,200	1,370	626	e800	3,040	2,590	1,900	702	854	794
4	565	1,150	e1,200	1,310	1,170	e840	3,610	2,430	1,790	651	1,090	1,030
5	659	1,140	e1,200	1,270	e1,500	e840	2,970	2,380	1,960	673	1,740	848
6	661	1,320	e1,200	1,220	e1,000	e840	2,790	2,390	1,440	675	1,450	806
7	644	1,330	e1,200	1,190	e840	e800	2,680	2,260	1,180	630	1,110	789
8	659	1,190	1,220	1,220	e700	e840	2,640	1,860	1,140	645	918	778
9	646	1,200	1,180	1,260	e640	e840	2,480	1,360	1,080	614	894	767
10	673	1,170	1,260	1,210	e620	e860	2,390	1,110	1,100	602	1,190	762
11	724	1,170	1,270	1,170	e620	e880	2,490	1,200	1,070	723	1,740	732
12	730	1,170	1,280	e1,100	e600	e920	2,600	3,030	848	597	2,500	676
13	721	1,310	1,200	e1,100	e600	e960	2,570	3,020	832	537	2,250	648
14	701	1,180	1,610	e1,100	e600	993	2,290	3,210	1,290	507	2,110	664
15	720	1,110	1,740	e1,100	e580	1,040	2,330	3,380	966	476	848	707
16	1,140	1,200	1,420	e1,000	e580	1,110	2,520	2,830	804	593	2,300	1,040
17	1,590	1,600	1,260	e1,100	e580	1,370	2,690	2,450	769	549	2,340	804
18	1,010	1,740	1,230	e1,100	e580	2,460	2,560	2,340	746	534	1,870	746
19	1,740	1,510	1,220	e960	e600	2,500	2,620	1,980	781	489	1,120	726
20	1,580	1,630	2,060	e940	616	2,240	2,580	1,150	708	498	1,120	624
21	1,040	1,650	2,050	e900	610	4,410	2,590	1,190	1,230	537	1,060	775
22	903	2,080	1,470	e860	613	5,690	3,670	1,140	2,020	1,130	1,050	715
23	1,030	2,620	1,340	e820	1,110	4,210	4,640	1,090	1,070	1,110	922	1,410
24	966	1,760	1,260	e800	1,330	3,690	4,120	1,350	873	1,380	901	1,100
25	1,070	1,680	1,170	e840	e920	4,120	3,170	2,180	798	820	847	881
26	2,140	1,600	e1,100	e900	e900	4,330	2,680	1,470	748	598	910	884
27	1,630	1,480	e1,100	e840	e860	3,570	2,500	1,500	724	528	924	869
28	1,300	1,350	e1,100	e800	859	3,350	2,500	2,150	733	577	888	2,150
29	1,180	1,340	1,170	e740	---	4,090	2,400	2,300	620	525	810	1,230
30	1,090	1,370	1,170	e700	---	3,720	2,310	1,950	741	495	796	1,080
31	1,080	---	1,200	e660	---	2,990	---	1,900	---	474	792	---
TOTAL	29,708	42,390	40,810	32,840	21,563	66,999	83,980	64,420	34,721	20,281	38,948	26,683
MEAN	958	1,413	1,316	1,059	770	2,161	2,799	2,078	1,157	654	1,256	889
MAX	2,140	2,620	2,060	1,660	1,500	5,690	4,640	3,380	2,590	1,380	2,500	2,150
MIN	361	1,090	1,100	660	580	800	2,290	1,090	620	474	792	624

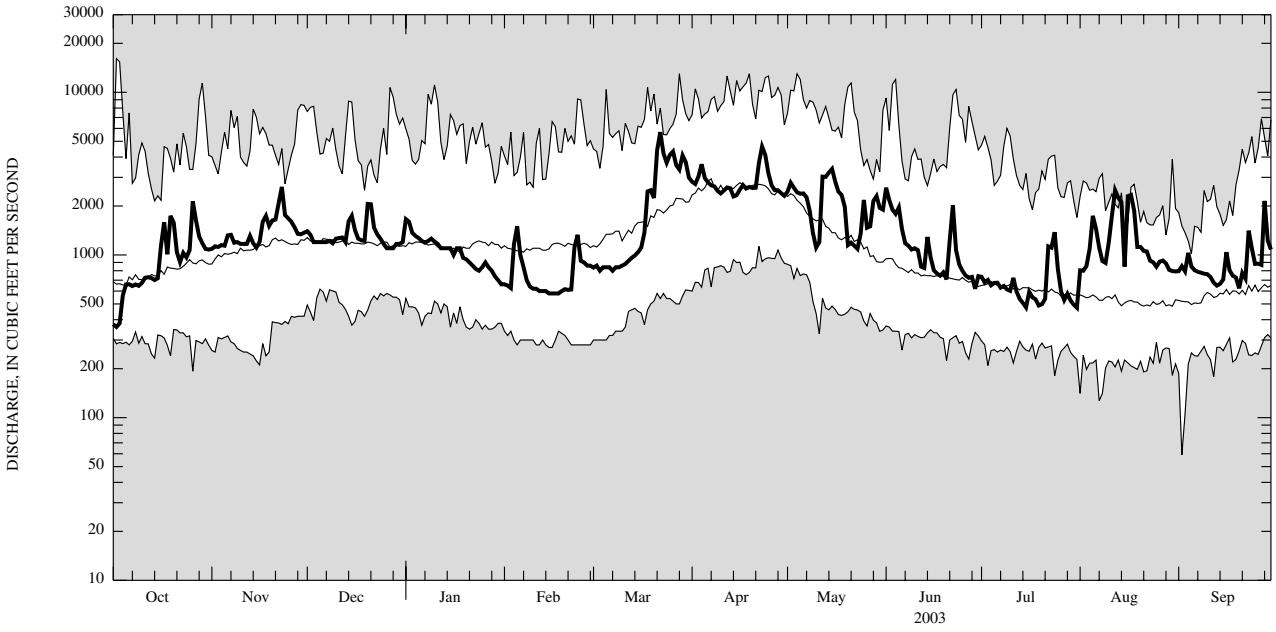
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2003, BY WATER YEAR (WY)

MEAN	939	1,313	1,381	1,322	1,235	1,887	2,926	1,874	998	744	607	696
MAX	3,131	2,984	2,835	3,044	2,704	3,725	5,623	4,667	3,875	2,075	1,481	1,831
(WY)	(1946)	(1960)	(1997)	(1930)	(1981)	(1945)	(1993)	(1972)	(1972)	(1935)	(1986)	(1977)
MIN	338	335	621	453	316	681	1,056	594	359	283	227	284
(WY)	(1965)	(1965)	(1931)	(1931)	(1931)	(1940)	(1995)	(1987)	(1941)	(1941)	(1934)	(1934)

01346000 WEST CANADA CREEK AT KAST BRIDGE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1921 - 2003	
ANNUAL TOTAL	508,388		503,343			
ANNUAL MEAN	1,393		1,379		1,326	
HIGHEST ANNUAL MEAN					1,872	1972
LOWEST ANNUAL MEAN					829	1965
HIGHEST DAILY MEAN	11,800	Apr 15	5,690	Mar 22	16,100	Oct 2, 1945
LOWEST DAILY MEAN	299	Sep 14	361	Oct 2	59	Sep 2, 1929
ANNUAL SEVEN-DAY MINIMUM	363	Sep 14	521	Oct 1	211	Aug 16, 1934
10 PERCENT EXCEEDS	2,720		2,590		2,590	
50 PERCENT EXCEEDS	1,140		1,110		1,000	
90 PERCENT EXCEEDS	443		622		456	

e Estimated



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), 19,300 ft^3/s, Mar. 22, gage height, 14.70 ft; minimum discharge (river channel only), 608 ft^3/s, Apr. 28, gage height, 4.67 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,350	2,260	3,320	4,030	e1,700	e2,100	6,470	3,470	5,370	1,430	1,770	1,310
2	1,090	2,270	3,250	5,020	1,590	e2,100	5,850	4,410	6,110	1,330	2,000	1,540
3	1,020	2,280	2,740	4,410	1,410	e2,100	6,190	5,240	4,890	1,300	1,770	1,670
4	1,210	2,280	2,480	3,990	1,800	e2,100	8,870	4,290	3,590	1,240	2,000	2,290
5	1,380	2,360	2,390	3,740	4,340	e2,000	8,480	3,780	3,550	1,240	3,810	1,750
6	1,320	2,880	2,380	3,480	4,030	e2,000	8,290	3,610	3,220	1,220	6,250	1,450
7	1,220	3,720	2,460	3,290	3,380	e2,000	7,600	3,460	2,650	1,170	3,590	1,350
8	1,240	3,300	2,630	3,240	2,880	e2,000	6,490	2,910	2,400	1,180	2,270	1,330
9	1,190	3,490	2,460	3,370	e2,500	e2,000	5,510	2,440	1,870	1,240	2,030	1,290
10	1,160	2,800	2,490	3,430	e2,200	e2,000	5,070	2,050	2,050	1,180	3,970	1,300
11	1,230	2,320	2,330	3,200	e2,000	e2,100	6,090	2,140	1,930	1,550	4,590	1,250
12	1,380	2,800	2,440	3,050	e1,900	e2,100	6,660	6,900	1,860	1,510	3,770	1,180
13	1,400	2,900	2,590	2,890	e1,900	e2,000	6,540	8,310	1,760	1,260	4,200	1,130
14	1,390	2,680	3,310	e2,600	e1,800	2,040	5,650	8,680	2,840	1,120	3,780	1,140
15	1,340	2,420	5,180	e2,600	e1,800	2,080	5,330	8,190	3,090	1,070	2,240	1,220
16	1,960	2,320	4,960	e2,500	e1,900	2,280	5,420	5,300	2,360	1,280	3,380	1,860
17	5,790	3,100	3,890	e2,500	e1,900	3,610	5,680	4,240	1,930	1,330	3,850	1,850
18	3,590	4,990	3,140	e2,500	e1,800	7,660	5,080	3,660	1,710	1,280	3,110	1,460
19	3,160	4,750	2,840	e2,500	e1,800	9,150	4,890	3,280	1,650	1,220	1,880	1,300
20	4,700	4,920	3,390	e2,500	e1,800	8,880	4,600	2,230	1,500	1,070	1,850	1,200
21	2,980	5,040	5,740	e2,400	e1,700	12,600	4,330	2,260	2,550	1,110	1,730	1,310
22	2,240	5,470	4,800	e2,300	1,700	16,600	5,560	2,180	7,900	2,760	1,720	1,210
23	2,340	7,450	3,680	e2,200	2,480	16,100	7,030	2,010	5,320	3,210	1,540	2,150
24	2,520	6,650	3,130	e2,100	4,140	13,600	6,300	2,210	2,760	4,720	1,460	2,570
25	2,370	5,900	2,930	e2,100	e2,700	13,000	4,720	4,250	2,170	2,750	1,380	1,770
26	4,480	5,100	e2,700	e1,900	e2,400	12,900	4,210	4,130	1,860	1,940	1,420	1,610
27	5,320	4,110	e2,800	e1,800	e2,300	10,500	4,070	3,680	1,650	1,460	1,500	1,480
28	3,710	3,470	e2,900	e1,800	e2,200	8,900	3,390	4,220	1,570	1,450	1,470	3,480
29	2,920	3,120	e2,800	e1,800	---	e10,000	3,390	5,020	1,400	1,340	1,360	2,790
30	2,490	3,050	2,850	e1,800	---	e9,000	3,270	3,980	1,430	1,200	1,300	2,590
31	2,350	---	2,870	e1,700	---	7,610	---	3,420	---	1,140	1,320	---
TOTAL	71,840	110,200	97,870	86,740	64,050	193,110	171,030	125,950	84,940	48,300	78,310	49,830
MEAN	2,317	3,673	3,157	2,798	2,288	6,229	5,701	4,063	2,831	1,558	2,526	1,661
MAX	5,790	7,450	5,740	5,020	4,340	16,600	8,870	8,680	7,900	4,720	6,250	3,480
MIN	1,020	2,260	2,330	1,700	1,410	2,000	3,270	2,010	1,400	1,070	1,300	1,130

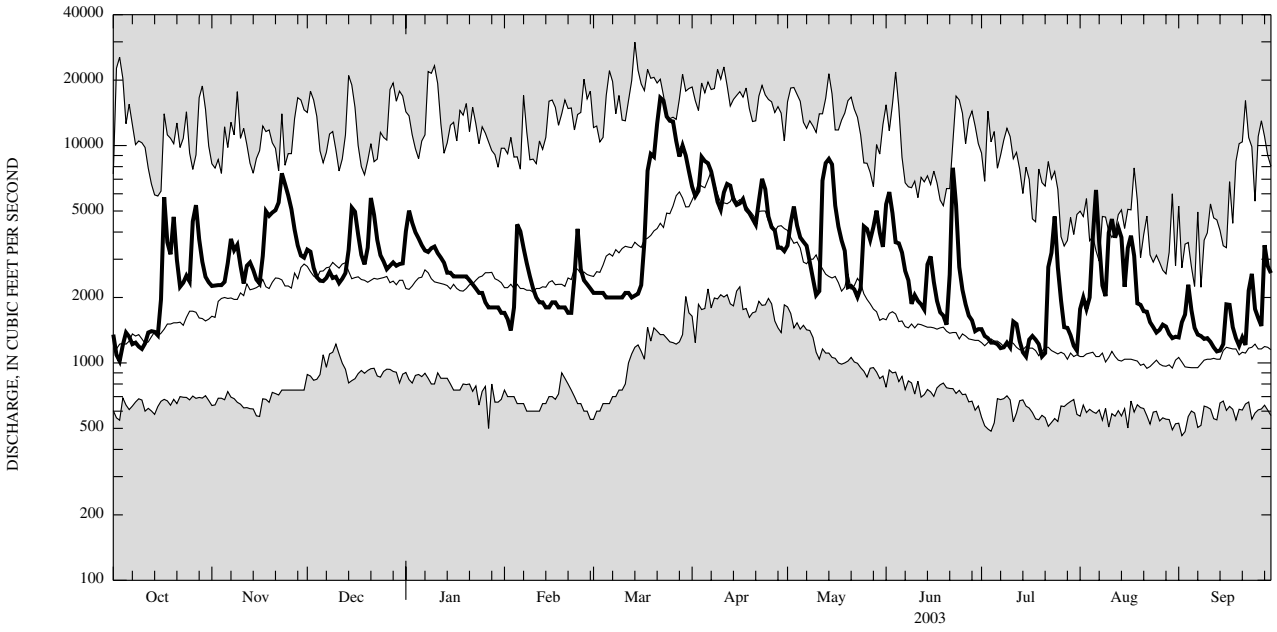
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	1,894	2,791	3,103	3,046	2,946	4,792	6,073	3,377	1,941	1,475	1,205	1,405
MAX	6,529	5,873	6,673	6,825	6,759	9,558	13,160	7,879	6,306	3,771	2,912	4,361
(WY)	(1946)	(1960)	(1997)	(1998)	(1976)	(1945)	(1993)	(1943)	(1972)	(1935)	(1986)	(1977)
MIN	719	750	1,061	820	679	1,693	2,289	1,334	900	685	642	684
(WY)	(1965)	(1931)	(1931)	(1931)	(1931)	(1940)	(1995)	(1995)	(1999)	(1934)	(1934)	(1939)

01347000 MOHAWK RIVER NEAR LITTLE FALLS, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	1,104,212		1,182,170			
ANNUAL MEAN	3,025		3,239		2,834	
HIGHEST ANNUAL MEAN					4,208	1976
LOWEST ANNUAL MEAN					1,684	1931
HIGHEST DAILY MEAN	17,500	Apr 16	16,600	Mar 22	29,900	Mar 14, 1977
LOWEST DAILY MEAN	656	Sep 14	1,020	Oct 3	463	Sep 2, 1934
ANNUAL SEVEN-DAY MINIMUM	706	Aug 6	1,190	Jul 15	529	Aug 29, 1934
10 PERCENT EXCEEDS	5,650		5,870		5,920	
50 PERCENT EXCEEDS	2,520		2,490		1,950	
90 PERCENT EXCEEDS	887		1,300		904	

e Estimated



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. Satellite and telephone gage-height telemeter at station.

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)
Oct 17	0030	2,020	7.08	Apr 4	0515	1,200	5.85
Mar 18	2115	ice jam	*8.32	Apr 12	1715	2,120	7.21
Mar 22	2000	2,370	7.53	Apr 26	1800	1,580	6.46
Mar 25	2000	2,230	7.35	Jun 1	1215	*2,490	7.67

Minimum discharge, 5.6 ft^3/s, Sept. 18, gage height, 1.60 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	50	e72	e110	e30	e42	194	72	1,340	16	275	8.1
2	16	43	e64	e160	e32	e43	179	249	332	13	127	24
3	22	38	e56	e130	e37	e44	354	154	144	12	56	19
4	27	34	48	e120	e42	e47	624	88	97	12	81	51
5	25	33	43	e110	e52	e52	208	69	117	11	544	29
6	19	73	45	e110	e45	e56	182	72	83	9.9	240	16
7	15	155	41	e100	e39	e68	139	61	63	9.2	79	12
8	13	78	39	e100	e37	e84	107	57	61	12	47	11
9	11	74	40	e100	e33	e94	96	55	47	9.7	188	9.3
10	10	60	34	e86	e29	e84	241	44	37	9.9	144	8.4
11	11	53	34	e70	e26	e78	436	52	35	21	54	7.9
12	38	47	39	e62	e25	e66	1,130	408	56	17	77	7.3
13	49	167	49	e60	e24	e54	492	191	40	11	134	6.9
14	36	93	102	e56	e23	e46	277	116	48	9.5	39	7.4
15	25	70	355	e50	e23	e39	246	83	40	8.4	27	7.2
16	427	63	178	e46	e22	e34	199	64	28	18	69	8.4
17	756	198	e150	e43	e22	e200	131	53	24	19	75	8.6
18	209	309	e140	e40	e24	e600	96	46	22	12	28	6.4
19	137	297	e130	e44	e26	e1,100	94	38	23	12	20	6.4
20	120	436	142	e40	e29	549	78	32	20	9.0	17	6.6
21	75	262	355	e37	e35	1,270	70	30	48	11	15	7.3
22	56	282	172	e36	e54	1,620	181	28	259	92	13	6.5
23	67	556	e120	e36	e70	1,280	178	26	76	33	12	57
24	74	209	e90	e38	e90	942	98	31	42	35	10	40
25	51	149	e78	e37	e74	1,140	76	69	30	30	10	17
26	636	142	e82	e36	e60	903	520	347	25	17	10	13
27	264	113	e88	e34	e48	508	357	143	21	13	11	11
28	132	91	e80	e32	e44	382	148	230	19	12	8.6	183
29	92	80	e76	e29	---	549	102	151	17	10	7.8	74
30	72	e76	e68	e28	---	476	78	79	17	8.8	8.7	37
31	58	---	e80	e27	---	285	---	69	---	8.0	8.4	---
TOTAL	3,563	4,331	3,090	2,007	1,095	12,735	7,311	3,207	3,211	521.4	2,435.5	706.7
MEAN	115	144	99.7	64.7	39.1	411	244	103	107	16.8	78.6	23.6
MAX	756	556	355	160	90	1,620	1,130	408	1,340	92	544	183
MIN	10	33	34	27	22	34	70	26	17	8.0	7.8	6.4
CFSM	1.93	2.42	1.67	1.08	0.66	6.88	4.08	1.73	1.79	0.28	1.32	0.39
IN.	2.22	2.70	1.93	1.25	0.68	7.94	4.56	2.00	2.00	0.32	1.52	0.44

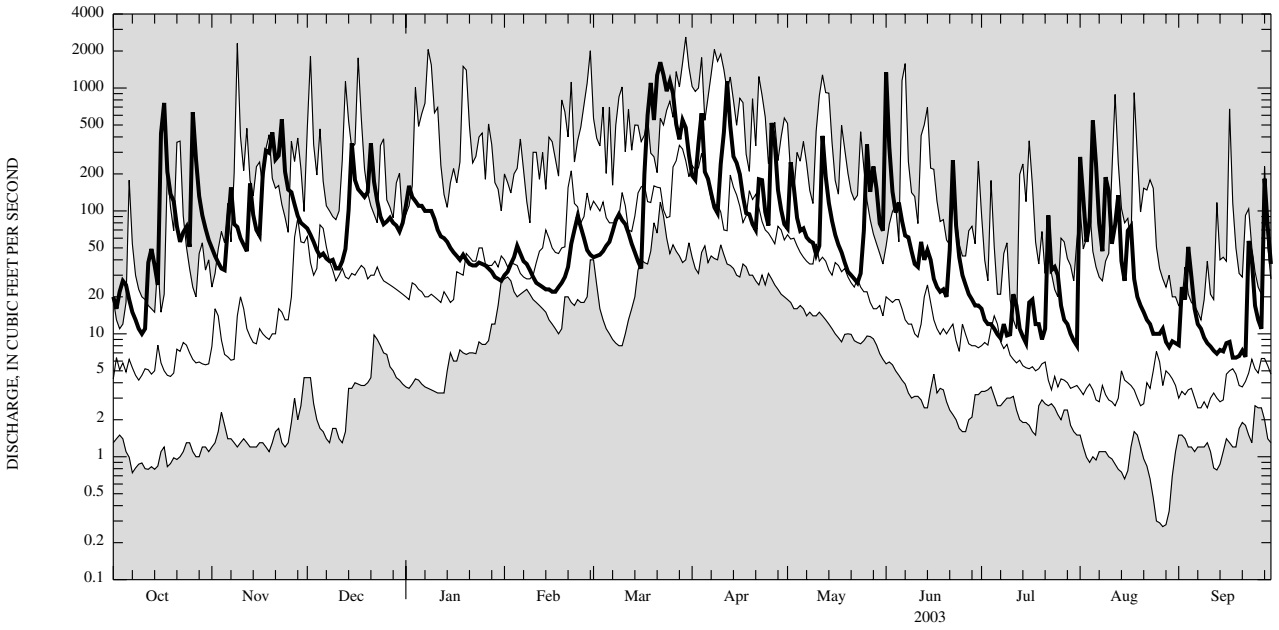
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

MEAN	24.0	60.2	78.0	95.5	107	206	242	79.1	50.6	15.0	25.8	12.8
MAX	115	187	292	260	263	411	486	190	209	42.5	84.6	44.0
(WY)	(2003)	(1997)	(1997)	(1998)	(2000)	(2003)	(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)

01349150 CANAJOHARIE CREEK NEAR CANAJOHARIE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1993 - 2003	
ANNUAL TOTAL	30,293.12		44,213.6			
ANNUAL MEAN	83.0		121		81.9	
HIGHEST ANNUAL MEAN					122	2000
LOWEST ANNUAL MEAN					38.0	1995
HIGHEST DAILY MEAN	1,360	Mar 27	1,620	Mar 22	2,600	Mar 30, 1993
LOWEST DAILY MEAN	0.66	Aug 15	6.4	Sep 18	0.27	Aug 27, 1995
ANNUAL SEVEN-DAY MINIMUM	0.83	Aug 10	7.2	Sep 16	0.37	Aug 23, 1995
ANNUAL RUNOFF (CFSM)	1.39		2.03		1.37	
ANNUAL RUNOFF (INCHES)	18.88		27.55		18.65	
10 PERCENT EXCEEDS	179		279		199	
50 PERCENT EXCEEDS	41		53		25	
90 PERCENT EXCEEDS	2.7		11		2.8	

e Estimated



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

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), 2003 (c).
PESTICIDE DATA: 1993 (a), 1994 (d), 1995-00 (e), 2001 (d), 2002-03 (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), 2003 (c).
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), 2003 (c).

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT													
07...	0940	15	10	748	8.6	84	7.7	717	14.5	14.0	148	36.6	157
DEC													
02...	1120	e64	10	747	14.7	101	8.0	440	3.0	0.0	144	28.5	51.7
JAN													
09...	1100	e100	10	734	12.2	83	7.6	413	2.0	0.0	176	30.2	40.5
FEB													
05...	0945	e52	70	743	12.8	88	7.2	591	-2.0	0.0	190	84.4	50.1
APR													
02...	1040	150	10	748	13.7	98	7.8	394	3.5	1.5	122	28.0	30.0
MAY													
06...	0920	77	10	745	11.5	103	8.1	484	9.0	10.0	203	30.4	55.4
29...	0845	162	10	735	8.8	85	7.8	357	20.0	13.0	124	17.9	26.5
29...*	0846	162	10	--	--	--	--	--	--	--	--	--	--
JUN													
30...	0925	15	10	--	--	--	7.6	700	27.5	23.0	172	34.2	140
AUG													
05...	0910	405	10	740	7.0	78	7.6	236	30.5	21.0	93	7.42	14.4

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor ESA, water, fltrd 0.7u GF ug/L (61029)	Acetochlor OA, water, fltrd 0.7u GF ug/L (61030)	Acetochlor SAA, water, fltrd, ug/L (62847)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor ESA, water, fltrd 0.7u GF ug/L (50009)
OCT													
07...	0.31	<0.04	0.46	E.004	<0.02	0.026	<0.006	E.026	<0.05	<0.05	<0.05	<0.006	<0.05
DEC													
02...	0.24	<0.04	0.93	<0.008	<0.02	0.015	<0.006	E.012	<0.05	<0.05	<0.05	<0.006	<0.05
JAN													
09...	0.27	<0.04	0.85	<0.008	E.01	0.022	--	--	--	--	--	--	--
FEB													
05...	0.40	0.09	0.95	E.006	0.02	0.053	<0.006	E.014	<0.05	<0.05	<0.05	<0.006	<0.05
APR													
02...	0.25	E.03	1.19	<0.008	E.01	0.028	<0.006	E.005	<0.05	<0.05	<0.05	<0.006	<0.05
MAY													
06...	0.25	<0.04	0.46	<0.008	<0.02	0.011	<0.006	E.008	<0.05	<0.05	<0.05	<0.006	<0.05
29...	0.68	E.02	0.54	E.007	E.01	0.074	<0.006	E.022	<0.05	<0.05	<0.05	<0.006	<0.05
29...*	--	--	--	--	--	--	<0.006	E.022	--	--	--	<0.006	--
JUN													
30...	0.42	E.03	0.58	0.010	<0.02	0.039	<0.006	E.014	<0.05	<0.05	<0.05	<0.006	<0.05
AUG													
05...	1.8	<0.04	0.50	0.026	<0.02	0.47	<0.006	E.197	<0.05	<0.05	<0.05	<0.006	<0.05

01349150 CANAJOHARIE CREEK NEAR CANAJOHARIE, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ala-chlor OA, water, fltrd 0.7u GF ug/L (61031)	Ala-chlor SAA, water, fltrd, ug/L (62848)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
OCT													
07...	<0.05	<0.05	<0.004	<0.005	E5.3	0.036	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
DEC													
02...	<0.05	<0.05	<0.004	<0.005	132	0.014	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
JAN													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
05...	<0.05	<0.05	<0.004	<0.005	98.2	0.016	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
APR													
02...	<0.05	<0.05	<0.004	<0.005	84.2	0.009	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
MAY													
06...	<0.05	<0.05	<0.004	<0.005	136	0.013	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
29...	<0.05	<0.05	<0.004	<0.005	110	0.094	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
29...*	--	--	<0.004	<0.005	121	0.107	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
JUN													
30...	<0.05	<0.05	<0.004	<0.005	86.7	0.042	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
AUG													
05...	<0.05	<0.05	<0.004	<0.005	86.5	0.700	<0.050	<0.010	<0.002	E.009	<0.020	<0.005	<0.006

Date	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Diazi-non-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-enamid ESA, water, fltrd, ug/L (61951)	Dimeth-enamid OA, water, fltrd, ug/L (62482)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)
OCT													
07...	<0.018	<0.003	<0.004	<0.005	E7.5	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
DEC													
02...	<0.018	<0.003	<0.004	<0.005	136	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
JAN													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
05...	<0.018	<0.003	<0.004	<0.005	108	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
APR													
02...	<0.018	<0.003	<0.004	<0.005	92.5	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
MAY													
06...	<0.018	<0.003	<0.004	<0.005	E151	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
29...	<0.018	<0.003	<0.004	<0.005	145	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
29...*	<0.018	<0.003	<0.004	<0.005	E159	<0.005	--	--	<0.02	<0.002	<0.009	<0.005	<0.009
JUN													
30...	<0.018	<0.003	<0.004	<0.005	107	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
AUG													
05...	<0.018	<0.003	<0.004	<0.005	92.7	<0.005	0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009

01349150 CANAJOHARIE CREEK NEAR CANAJOHARIE, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flufenacet ESA, water, fltrd, ug/L (61952)	Flufenacet OA, water, fltrd, ug/L (62483)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor ESA, water, fltrd 0.7u GF ug/L (61043)	Metolachlor OA, water, fltrd 0.7u GF ug/L (61044)	Metolachlor, water, fltrd, ug/L (39415)
OCT													
07...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.69	0.20	E.010
DEC													
02...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.49	0.10	E.009
JAN													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
05...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.35	0.09	0.016
APR													
02...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.27	0.06	E.010
MAY													
06...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.24	0.06	E.009
29...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.29	0.11	0.050
29...*	<0.005	<0.005	<0.007	--	--	<0.003	<0.004	<0.035	<0.027	<0.006	--	--	0.052
JUN													
30...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.47	0.08	0.021
AUG													
05...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.48	0.20	0.090

Date	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor ESA, water, fltrd 0.7u GF ug/L (62766)	Propachlor OA, water, fltrd 0.7u GF ug/L (62767)	Propachlor, water, fltrd, ug/L (04024)
OCT													
07...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	M	<0.004	<0.05	<0.05	<0.010
DEC													
02...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
JAN													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
05...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
APR													
02...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
MAY													
06...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
29...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
29...*	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	--	--	<0.010
JUN													
30...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
AUG													
05...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010

01349150 CANAJOHARIE CREEK NEAR CANAJOHARIE, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT										
07...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	15
DEC										
02...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	3
JAN										
09...	--	--	--	--	--	--	--	--	--	5
FEB										
05...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	8
APR										
02...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	9
MAY										
06...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	2
29...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	19
29...*	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--
JUN										
30...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	19
AUG										
05...	<0.011	<0.02	0.037	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	400

e Estimated daily
* Replicate
E Estimated
M Presence verified, not quantified

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 100 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 12	0645	a159	2.88	Aug 9	2345	a149	2.83
Mar 29	1630	a182	2.96	Sep 23	0730	a186	2.99
Aug 3	1615	a*225	*3.15				

a From rating curve extended as explained above.

Minimum discharge, 0.16 ft^3/s, July 20, 21, gage height, 0.91 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	1.5	1.1	3.0	e0.41	1.4	5.1	2.8	53	0.80	6.8	0.54
2	1.6	1.2	0.97	3.2	e0.41	1.9	4.0	4.1	15	0.67	9.2	27
3	1.3	1.0	0.74	2.8	0.43	1.9	3.9	4.4	7.3	0.56	58	13
4	1.3	0.91	0.69	2.6	1.1	1.6	3.8	3.4	4.6	0.48	32	39
5	4.5	0.79	0.63	2.2	1.1	1.5	3.3	2.9	3.7	0.40	16	10
6	3.3	2.1	0.57	2.0	0.83	1.4	2.9	2.5	3.0	0.36	15	4.9
7	2.9	1.9	0.52	1.8	0.75	1.3	2.2	2.1	2.9	0.35	8.3	3.3
8	2.3	1.5	0.49	1.7	0.69	1.2	2.0	1.8	2.7	0.34	5.2	2.4
9	1.9	1.7	0.43	1.6	0.64	1.2	1.7	1.7	2.7	0.35	13	1.8
10	1.8	1.7	0.40	1.5	0.61	1.0	1.7	1.4	2.2	0.29	44	1.5
11	11	2.1	0.37	1.4	0.58	0.95	5.9	1.9	2.1	0.45	18	1.1
12	96	3.5	0.39	1.2	e0.52	0.92	27	4.4	2.0	0.35	26	0.94
13	27	7.2	0.38	1.2	e0.48	0.89	13	3.6	8.5	0.29	14	1.1
14	11	4.6	3.0	1.1	e0.47	0.82	7.4	3.0	9.0	0.25	7.0	2.9
15	5.3	3.4	2.8	1.0	e0.46	0.81	11	2.5	5.3	0.22	4.2	10
16	23	2.9	1.9	0.96	e0.45	1.0	17	2.2	3.7	0.36	3.0	8.7
17	19	4.8	1.4	0.91	e0.44	5.6	8.7	1.8	3.0	0.25	7.9	4.8
18	7.2	6.1	1.1	0.79	e0.43	15	4.4	1.5	2.7	0.23	6.9	3.4
19	4.2	3.6	1.0	e0.70	0.43	10	3.4	1.2	2.3	0.21	4.2	12
20	3.2	3.2	26	e0.64	0.43	12	3.1	0.99	2.3	0.18	3.1	9.3
21	2.5	3.5	14	e0.58	0.43	59	3.1	1.2	3.4	0.37	2.4	5.2
22	2.0	9.5	6.2	e0.54	0.79	34	3.4	1.1	21	2.0	2.0	3.8
23	1.6	12	4.1	e0.50	3.8	18	3.3	1.2	11	1.4	1.6	58
24	1.3	5.4	3.2	e0.46	3.8	11	2.6	2.1	5.2	2.5	1.1	14
25	1.1	3.7	2.5	e0.45	2.5	15	2.1	2.4	3.4	2.8	0.89	7.2
26	3.7	3.1	2.7	e0.45	2.0	20	7.3	14	e2.6	1.6	0.75	4.9
27	3.8	2.6	2.2	e0.45	1.7	15	9.4	11	e2.0	1.2	0.62	4.1
28	3.0	2.0	1.8	e0.44	1.5	12	5.3	7.9	e1.6	0.91	0.52	17
29	2.4	1.7	1.6	e0.43	---	57	3.9	6.6	e1.2	0.71	0.45	11
30	2.0	1.4	1.5	e0.42	---	26	3.3	4.0	e1.0	0.59	0.46	6.3
31	1.7	---	1.9	e0.41	---	9.3	---	4.4	---	0.48	0.39	---
TOTAL	255.0	100.60	86.58	37.43	28.18	338.69	175.2	106.09	190.4	21.95	312.98	289.18
MEAN	8.23	3.35	2.79	1.21	1.01	10.9	5.84	3.42	6.35	0.71	10.1	9.64
MAX	96	12	26	3.2	3.8	59	27	14	53	2.8	58	58
MIN	1.1	0.79	0.37	0.41	0.41	0.81	1.7	0.99	1.0	0.18	0.39	0.54
CFSM	7.34	2.99	2.49	1.08	0.90	9.75	5.21	3.06	5.67	0.63	9.01	8.61
IN.	8.47	3.34	2.88	1.24	0.94	11.25	5.82	3.52	6.32	0.73	10.40	9.60

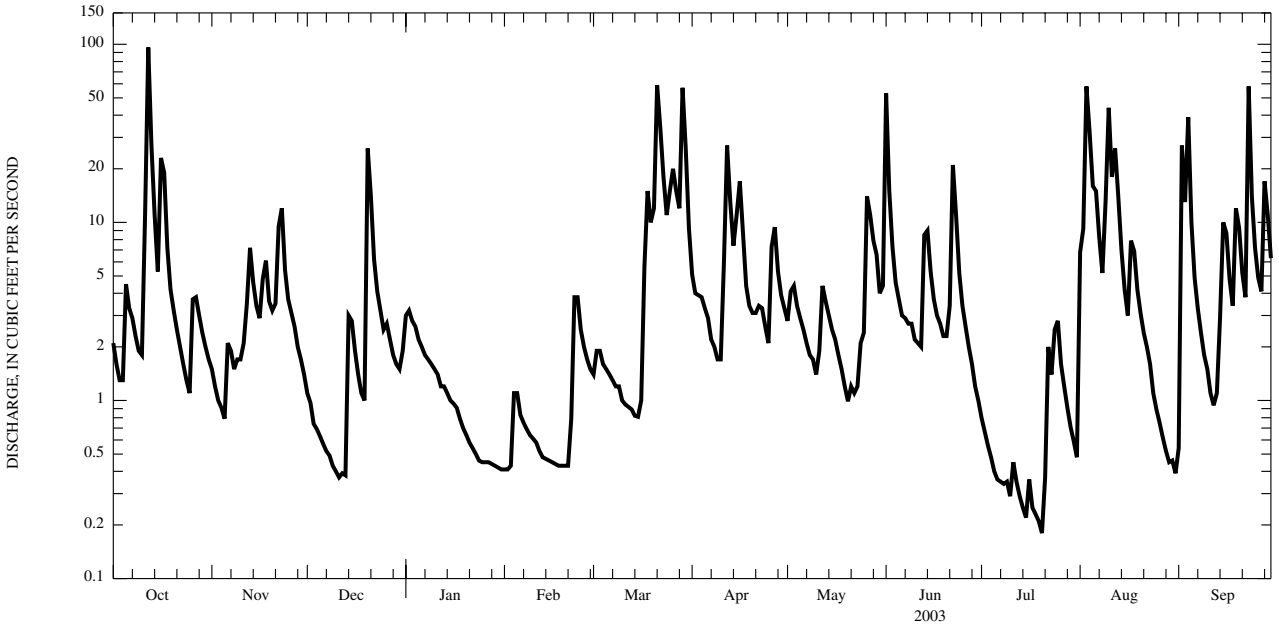
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	3.37	2.92	3.29	0.85	1.69	5.57	7.38	4.27	4.76	1.07	3.08	3.80
MAX	8.23	4.78	5.33	1.26	3.16	10.9	13.2	5.80	6.35	3.11	10.1	9.64
(WY)	(2003)	(2000)	(2001)	(2000)	(2000)	(2003)	(2001)	(2000)	(2003)	(2000)	(2003)	(2003)
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)

01349541 SUGARLOAF BROOK SOUTH OF TANNERSVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	1,033.36		1,942.28			
ANNUAL MEAN	2.83		5.32		3.50	
HIGHEST ANNUAL MEAN					5.32	2003
LOWEST ANNUAL MEAN					2.02	2002
HIGHEST DAILY MEAN	96	Oct 12	96	Oct 12	124	Sep 16, 1999
LOWEST DAILY MEAN	0.01	Aug 18	0.18	Jul 20	0.01	Sep 9, 2001
ANNUAL SEVEN-DAY MINIMUM	0.01	Aug 17	0.24	Jul 14	0.01	Aug 17, 2002
ANNUAL RUNOFF (CFSM)	2.53		4.75		3.13	
ANNUAL RUNOFF (INCHES)	34.32		64.51		42.50	
10 PERCENT EXCEEDS	6.0		13		7.4	
50 PERCENT EXCEEDS	1.4		2.2		1.5	
90 PERCENT EXCEEDS	0.06		0.45		0.22	

e Estimated



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)
Oct 16	2100	1,780	8.37	Sep 28	0245	*1,800	*8.39

Minimum discharge, 4.6 ft^3/s, Oct. 9, 10; minimum gage height, 4.42 ft, July 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	48	74	130	e29	e58	177	74	427	26	50	11
2	7.7	49	66	e125	e29	e53	150	425	259	24	62	161
3	7.0	46	54	113	e29	e50	147	260	150	21	37	97
4	6.2	43	52	e100	e38	e47	156	155	111	17	54	293
5	6.9	42	51	e90	e50	e45	135	117	94	13	44	147
6	6.6	89	e50	e84	e43	e44	132	102	81	12	58	91
7	5.8	80	47	e78	e38	e43	112	88	86	11	53	65
8	5.2	64	e45	e70	e34	e42	100	79	96	11	41	50
9	4.9	60	41	e65	e31	e41	89	82	72	11	38	40
10	4.6	56	42	e58	e29	e41	94	68	58	12	342	33
11	7.1	55	44	e56	e27	e40	123	73	52	15	341	28
12	314	61	47	e52	e25	e40	292	144	51	13	276	24
13	296	121	50	e48	e23	e39	228	97	70	10	197	22
14	126	97	79	e46	e22	e39	161	78	90	8.9	115	63
15	85	86	109	e43	e22	e39	144	67	64	7.8	79	161
16	474	81	85	e41	e22	e60	151	60	49	9.3	64	111
17	586	120	68	e39	e23	e150	129	54	40	8.2	61	78
18	256	191	e66	e37	e24	e400	101	48	43	7.6	51	56
19	186	132	64	e36	e23	330	87	43	41	7.8	41	161
20	135	127	390	e35	e22	261	77	38	47	6.7	32	139
21	101	132	336	e34	e21	944	67	50	73	9.7	26	92
22	67	224	189	e33	e24	708	66	46	325	68	23	70
23	56	331	143	e32	e40	448	60	41	201	47	23	485
24	68	160	118	e31	e100	298	54	44	117	31	18	258
25	53	123	102	e31	e88	312	48	47	82	26	15	148
26	98	106	116	e30	e76	370	60	98	62	18	13	111
27	90	98	102	e30	e69	308	93	118	49	14	13	98
28	63	89	93	e30	e62	241	67	88	40	11	11	818
29	54	82	87	e30	---	414	55	85	33	9.5	10	295
30	50	78	79	e29	---	421	48	72	29	8.4	10	178
31	47	---	87	e29	---	245	---	67	---	7.3	9.4	---
TOTAL	3,276.6	3,071	2,976	1,685	1,063	6,571	3,403	2,908	2,992	502.2	2,207.4	4,384
MEAN	106	102	96.0	54.4	38.0	212	113	93.8	99.7	16.2	71.2	146
MAX	586	331	390	130	100	944	292	425	427	68	342	818
MIN	4.6	42	41	29	21	39	48	38	29	6.7	9.4	11
CFSM	2.97	2.88	2.70	1.53	1.07	5.95	3.19	2.64	2.80	0.46	2.00	4.10
IN.	3.42	3.21	3.11	1.76	1.11	6.87	3.56	3.04	3.13	0.52	2.31	4.58

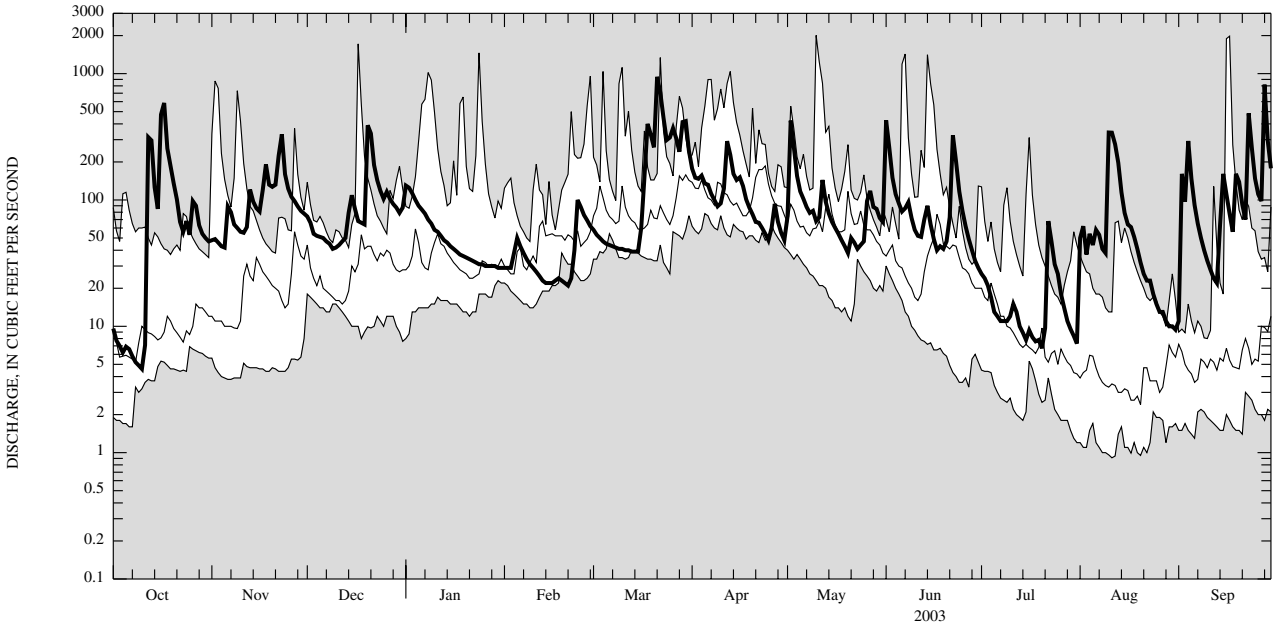
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	33.0	66.7	58.4	76.8	64.9	142	148	99.3	76.3	16.8	16.6	50.4
MAX	106	158	117	181	111	212	264	240	168	38.3	71.2	167
(WY)	(2003)	(1998)	(2001)	(1998)	(2000)	(1998)	(2001)	(1998)	(2000)	(2000)	(2003)	(1999)
MIN	5.80	5.10	12.0	23.2	38.0	51.5	79.7	35.5	9.98	2.79	2.84	1.90
(WY)	(2002)	(2002)	(1999)	(2002)	(2003)	(2001)	(1999)	(2001)	(1999)	(1997)	(1998)	(1998)

01349700 EAST KILL NEAR JEWETT CENTER, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	22,086.1		35,039.2			
ANNUAL MEAN	60.5		96.0		73.0	
HIGHEST ANNUAL MEAN					102	1998
LOWEST ANNUAL MEAN					38.3	2002
HIGHEST DAILY MEAN	586	Oct 17	944	Mar 21	2,010	May 10, 1998
LOWEST DAILY MEAN	1.0	Aug 22	4.6	Oct 10	0.91	Aug 11, 1997
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 17	5.7	Oct 4	1.0	Aug 6, 1997
ANNUAL RUNOFF (CFSM)	1.70		2.70		2.05	
ANNUAL RUNOFF (INCHES)	23.08		36.61		27.84	
10 PERCENT EXCEEDS	123		233		141	
50 PERCENT EXCEEDS	50		60		38	
90 PERCENT EXCEEDS	4.6		13		4.6	

e Estimated



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. Seasonal diversion for snowmaking by Hunter Mountain ski area near Tannersville. 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)
Oct 16	unknown	*5,990	a*7.16	Jun 1	1000	3,630	5.76
Dec 20	1745	3,140	5.46	Aug 10	0330	3,380	5.61
Mar 21	0330	4,970	6.56	Sep 23	1100	5,620	6.94
Mar 29	1930	4,820	6.47	Sep 28	0245	4,580	6.33

a From crest-stage gage.

Minimum discharge, 22 ft^3/s, July 21, gage height, 2.31 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e54	121	172	344	e72	283	574	233	1,970	75	163	35
2	43	110	142	378	e70	e290	468	1,070	974	67	220	705
3	38	102	104	275	e70	e360	450	666	465	57	606	313
4	34	99	102	267	e90	e350	460	381	326	54	702	1,410
5	46	94	e96	235	267	e330	408	295	268	44	306	494
6	55	207	e90	206	196	e340	391	264	231	42	293	268
7	43	208	e82	183	157	e360	333	226	232	38	237	190
8	39	151	e76	e170	140	278	296	204	248	41	164	146
9	35	139	70	e160	117	e240	265	207	195	38	149	117
10	32	128	72	e150	110	e210	278	174	163	39	1,600	97
11	e60	130	96	135	e100	e190	390	182	146	46	1,080	83
12	e1,600	148	102	e120	e96	e180	1,270	381	144	42	1,210	72
13	e1,300	362	117	e110	e90	e170	842	257	230	35	859	68
14	e600	277	267	e110	e86	e160	547	210	280	30	383	265
15	e400	229	398	e100	86	e150	500	183	199	27	247	644
16	e1,800	210	235	e100	83	e190	622	164	156	34	196	419
17	e2,600	340	190	e96	e84	e400	505	148	129	35	174	267
18	701	562	185	e94	e86	e1,100	362	132	126	29	170	190
19	459	369	230	e92	e90	1,140	298	118	119	27	133	614
20	340	346	1,340	e90	e94	939	263	106	132	24	103	465
21	257	366	1,120	e90	e100	3,900	236	127	194	28	85	273
22	191	653	532	e88	118	2,730	232	120	1,150	181	74	209
23	156	1,080	390	e88	562	1,720	217	111	667	122	73	2,310
24	152	508	300	e86	833	1,030	189	125	328	87	59	980
25	125	385	258	e84	710	1,070	165	142	233	89	50	452
26	314	321	e220	e82	637	1,380	234	365	180	63	47	317
27	298	270	e200	e82	486	1,120	375	421	144	49	44	304
28	203	223	e190	e80	361	787	259	294	118	42	38	2,820
29	165	203	185	e78	---	1,910	213	280	100	35	35	1,060
30	144	201	166	e76	---	e1,880	183	220	89	31	35	536
31	128	---	193	e74	---	860	---	208	---	28	33	---
TOTAL	12,412	8,542	7,920	4,323	5,991	26,047	11,825	8,014	9,936	1,579	9,568	16,123
MEAN	400	285	255	139	214	840	394	259	331	50.9	309	537
MAX	2,600	1,080	1,340	378	833	3,900	1,270	1,070	1,970	181	1,600	2,820
MIN	32	94	70	74	70	150	165	106	89	24	33	35
CFSM	4.14	2.94	2.64	1.44	2.21	8.68	4.07	2.67	3.42	0.53	3.19	5.55
IN.	4.77	3.28	3.04	1.66	2.30	10.01	4.54	3.08	3.82	0.61	3.68	6.20

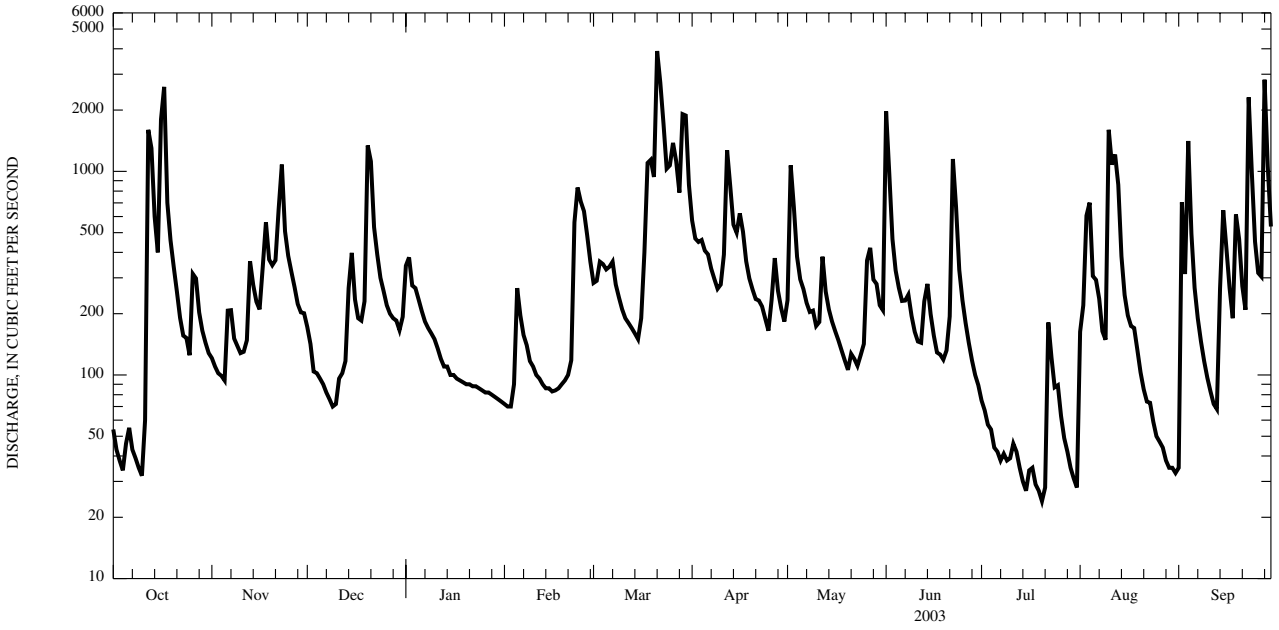
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	164	180	204	93.3	220	451	483	233	309	66.9	107	237
MAX	400	336	303	139	345	840	861	285	560	156	309	537
(WY)	(2003)	(2000)	(2001)	(2003)	(2000)	(2003)	(2001)	(2000)	(2000)	(2000)	(2003)	(2003)
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)

01349705 SCHOHARIE CREEK NEAR LEXINGTON, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	69,108.8		122,280			
ANNUAL MEAN	189		335		223	
HIGHEST ANNUAL MEAN					335	2003
LOWEST ANNUAL MEAN					122	2002
HIGHEST DAILY MEAN	2,600	Oct 17	3,900	Mar 21	6,870	Sep 17, 1999
LOWEST DAILY MEAN	5.2	Aug 22	24	Jul 20	5.2	Aug 22, 2002
ANNUAL SEVEN-DAY MINIMUM	6.0	Aug 17	29	Jul 15	6.0	Aug 17, 2002
ANNUAL RUNOFF (CFSM)	1.96		3.46		2.30	
ANNUAL RUNOFF (INCHES)	26.56		46.99		31.26	
10 PERCENT EXCEEDS	389		805		436	
50 PERCENT EXCEEDS	136		190		117	
90 PERCENT EXCEEDS	16		48		22	

e Estimated



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)
Oct 12	1015	162	2.27	Sep 4	0345	145	2.21
Oct 16	2000	286	2.60	Sep 14	2000	127	2.14
Mar 21	1645	157	2.25	Sep 23	0945	188	2.35
Mar 29	1845	194	2.37	Sep 28	0015	*431	*2.87
Aug 11	1515	122	2.12				

Minimum discharge, 1.9 ft^3/s, July 20, 21, gage height, 0.76 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	9.0	9.0	9.1	2.6	e5.0	32	15	55	7.0	8.8	4.2
2	3.1	8.4	8.1	8.8	2.6	e5.4	27	23	49	6.2	8.8	19
3	3.0	7.5	6.9	8.5	2.5	e5.4	23	27	33	5.5	16	15
4	2.7	6.9	6.4	8.6	3.8	e5.2	21	23	26	5.0	28	74
5	3.9	6.3	6.1	8.0	3.0	e5.2	19	21	22	4.5	23	36
6	4.0	8.2	5.7	7.7	e2.5	e5.2	17	18	18	4.1	24	24
7	4.2	6.9	5.2	7.4	e2.5	e5.0	16	16	16	4.3	19	e18
8	3.9	6.3	5.1	7.3	e2.5	e4.9	15	14	14	3.9	15	e15
9	3.6	6.4	4.5	7.0	e2.5	e4.8	13	13	13	3.8	15	12
10	3.4	6.5	e4.2	6.4	e2.4	4.8	13	12	11	3.3	42	10
11	5.3	7.4	e4.1	5.9	e2.4	5.4	13	12	11	3.8	57	8.9
12	105	9.6	e4.0	5.5	e2.3	4.8	17	14	10	3.2	56	7.9
13	61	15	4.1	e5.0	e2.2	4.7	21	14	11	2.9	40	7.9
14	35	16	6.2	e4.5	e2.2	4.3	22	14	13	2.6	29	29
15	25	15	5.2	e4.2	e2.1	4.6	26	13	12	2.4	23	61
16	93	14	4.9	e4.0	2.1	5.8	46	12	12	3.6	19	50
17	104	16	4.2	e3.9	2.2	11	38	11	11	2.6	15	33
18	45	15	4.3	e3.8	e2.3	29	26	10	e10	2.5	13	25
19	30	13	4.4	e3.7	e2.4	34	21	9.2	9.6	2.3	11	27
20	23	13	21	e3.5	e2.3	36	20	8.6	9.6	2.1	9.1	24
21	17	14	32	e3.4	2.2	124	20	8.7	10	2.6	8.2	21
22	14	22	25	3.4	3.1	115	21	7.7	22	7.1	7.7	19
23	12	31	19	3.2	5.7	73	20	7.2	25	5.5	6.7	97
24	10	27	16	3.3	5.2	45	16	7.9	22	5.2	5.8	64
25	9.1	22	14	3.2	5.5	43	14	7.5	18	4.9	5.3	40
26	13	18	12	3.0	e5.2	53	15	12	15	4.3	5.0	29
27	12	16	10	2.9	e5.0	48	21	14	12	3.9	4.5	35
28	12	13	9.1	2.8	e5.0	39	19	16	10	3.6	4.0	169
29	12	12	8.6	2.8	---	94	18	15	8.9	3.1	3.8	67
30	11	10	7.7	2.6	---	86	16	14	8.0	2.8	3.8	42
31	9.9	---	8.3	2.6	---	47	---	15	---	2.6	3.4	---
TOTAL	693.7	391.4	285.3	156.0	86.3	957.5	626	424.8	517.1	121.2	529.9	1,083.9
MEAN	22.4	13.0	9.20	5.03	3.08	30.9	20.9	13.7	17.2	3.91	17.1	36.1
MAX	105	31	32	9.1	5.7	124	46	27	55	7.1	57	169
MIN	2.7	6.3	4.0	2.6	2.1	4.3	13	7.2	8.0	2.1	3.4	4.2
CFSM	4.50	2.63	1.85	1.01	0.62	6.21	4.20	2.76	3.47	0.79	3.44	7.27
IN.	5.19	2.93	2.14	1.17	0.65	7.17	4.69	3.18	3.87	0.91	3.97	8.11

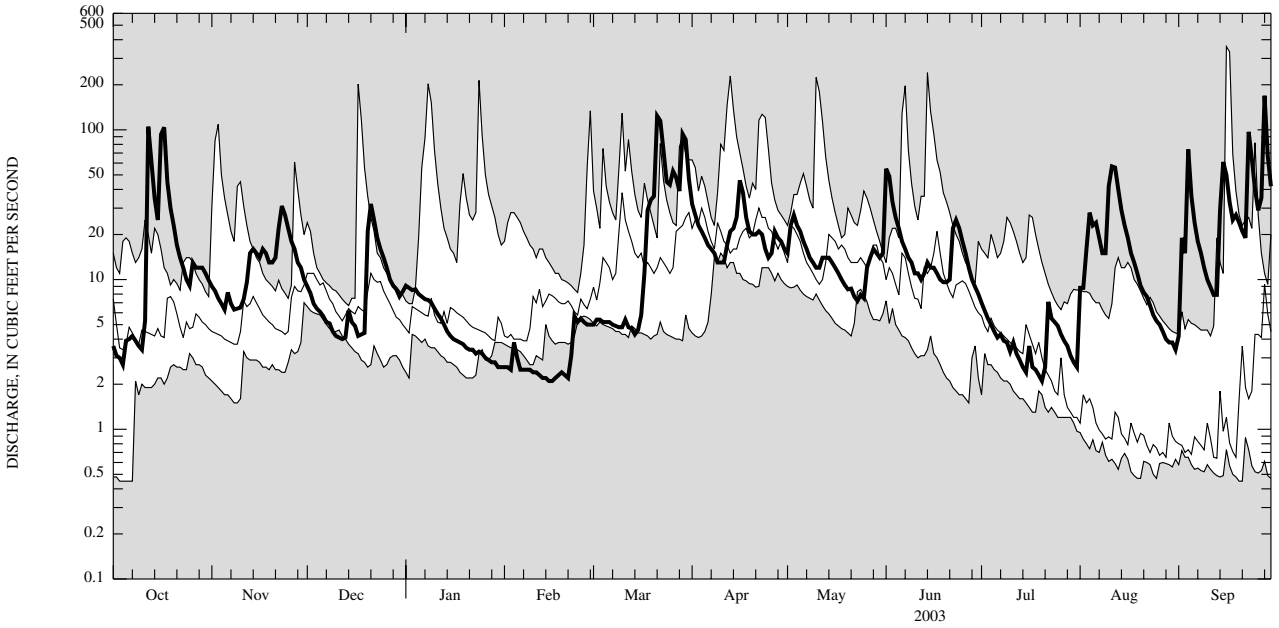
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	9.15	11.2	9.93	12.2	8.61	21.8	27.3	18.6	17.1	5.48	4.82	14.1
MAX	22.4	20.2	20.4	28.3	14.8	30.9	56.9	37.6	29.7	10.2	17.1	36.1
(WY)	(2003)	(1998)	(2001)	(1998)	(1999)	(2003)	(2001)	(1998)	(1998)	(1998)	(2003)	(2003)
MIN	3.60	3.37	4.45	3.63	3.08	4.55	17.4	11.2	4.36	1.82	0.88	0.60
(WY)	(1998)	(2002)	(1999)	(2002)	(2003)	(2001)	(1999)	(2001)	(1999)	(2002)	(1999)	(1998)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	3,723.09		5,873.1			
ANNUAL MEAN	10.2		16.1		13.4	
HIGHEST ANNUAL MEAN					16.4	1998
LOWEST ANNUAL MEAN					7.89	2002
HIGHEST DAILY MEAN	105	Oct 12	169	Sep 28	360	Sep 16, 1999
LOWEST DAILY MEAN	0.59	Aug 28	2.1	Feb 15	0.45	Sep 20, 1998
ANNUAL SEVEN-DAY MINIMUM	0.63	Aug 17	2.2	Feb 12	0.46	Oct 1, 1998
ANNUAL RUNOFF (CFSM)	2.05		3.24		2.69	
ANNUAL RUNOFF (INCHES)	27.87		43.96		36.52	
10 PERCENT EXCEEDS	22		35		27	
50 PERCENT EXCEEDS	8.0		9.9		7.4	
90 PERCENT EXCEEDS	0.82		3.0		1.5	

e Estimated



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.

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)
Oct 12	0930	517	2.84	Sep 4	0500	682	3.17
Oct 16	2000	1,230	4.10	Sep 14	2315	707	3.22
Mar 21	1745	945	3.63	Sep 23	0845	740	3.28
Mar 29	1815	815	3.41	Sep 28	0045	a*3,240	*6.99
Aug 11	1630	1,080	3.86				

a From rating curve extended as explained above.

Minimum discharge, 7.2 ft^3/s, July 21, gage height, 1.03 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	43	58	80	e16	30	188	63	285	29	47	15
2	11	39	48	77	15	e33	154	212	265	25	41	187
3	11	36	39	66	14	e37	136	216	178	22	41	103
4	9.6	33	36	67	20	e46	125	166	129	19	91	396
5	11	31	36	58	22	37	113	130	103	17	69	232
6	11	44	34	56	26	e34	106	108	82	16	71	145
7	11	41	e30	51	e15	e33	94	89	80	17	55	100
8	11	35	e29	51	e14	e32	83	78	72	18	44	74
9	10	34	e28	48	e14	e34	74	76	61	16	50	58
10	9.5	33	e27	44	e14	e36	75	64	51	15	196	48
11	12	35	26	40	e14	e34	82	66	48	17	320	41
12	353	43	27	e38	e14	e33	115	101	45	14	378	35
13	238	74	24	e36	e13	e31	116	81	55	13	255	32
14	139	72	44	e33	e13	e30	118	76	73	12	170	99
15	90	69	44	e30	e12	32	131	70	62	10	117	373
16	392	67	36	e29	e12	57	219	64	57	13	116	229
17	499	98	e35	e28	e12	143	178	57	50	12	95	146
18	237	117	e35	e27	e12	294	119	50	49	11	77	101
19	154	95	35	e26	e12	295	96	44	44	10	66	177
20	112	95	176	e24	e13	278	85	39	51	8.8	52	158
21	86	101	220	e23	e13	792	80	41	62	9.6	44	115
22	70	168	166	e23	e14	729	81	36	182	44	39	92
23	60	228	128	e23	e17	488	75	33	154	30	34	394
24	50	173	102	e23	e37	313	65	34	117	25	27	282
25	44	139	93	e23	e32	275	52	33	89	21	23	187
26	77	116	84	e21	e50	329	56	54	70	18	21	135
27	66	100	66	e20	e46	293	68	60	57	16	18	250
28	60	80	59	e19	36	224	64	65	46	15	16	1,150
29	55	71	52	e19	---	416	59	69	39	13	14	403
30	51	65	47	e18	---	466	53	63	34	12	14	240
31	46	---	56	e17	---	271	---	72	---	11	13	---
TOTAL	2,999.1	2,375	1,920	1,138	542	6,175	3,060	2,410	2,690	529.4	2,614	5,997
MEAN	96.7	79.2	61.9	36.7	19.4	199	102	77.7	89.7	17.1	84.3	200
MAX	499	228	220	80	50	792	219	216	285	44	378	1,150
MIN	9.5	31	24	17	12	30	52	33	34	8.8	13	15
CFSM	3.58	2.93	2.29	1.36	0.72	7.38	3.78	2.88	3.32	0.63	3.12	7.40
IN.	4.13	3.27	2.65	1.57	0.75	8.51	4.22	3.32	3.71	0.73	3.60	8.26

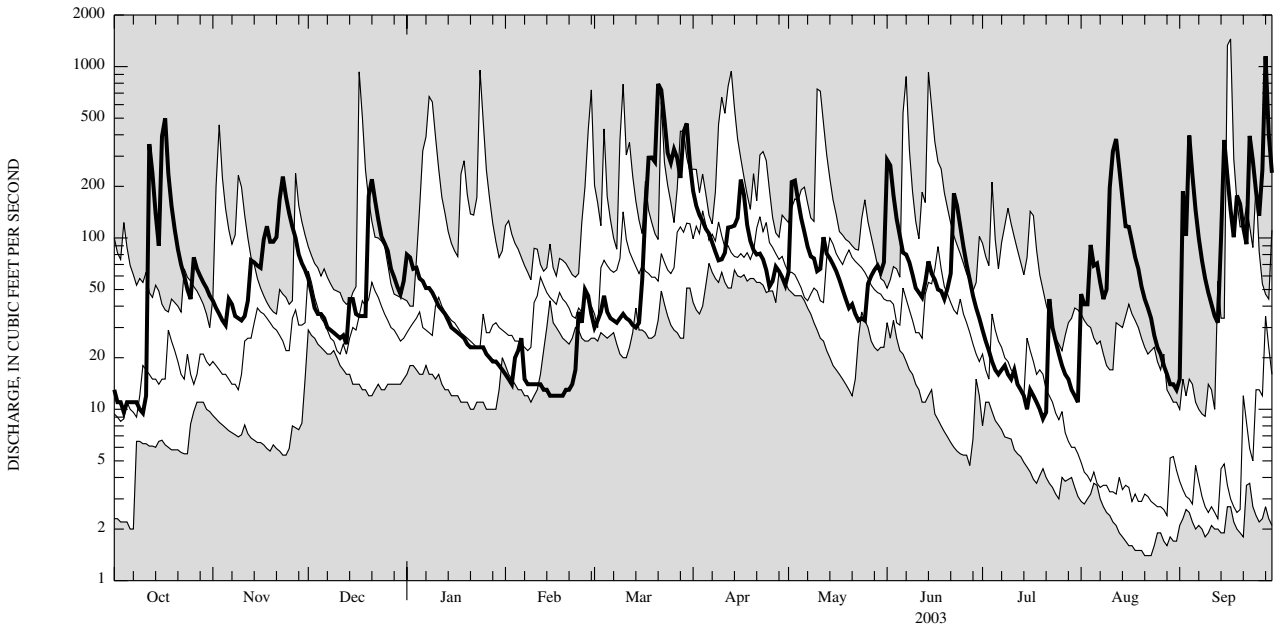
01349810 WEST KILL NEAR WEST KILL, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)												
MEAN	35.5	49.9	50.7	63.5	49.3	118	125	79.2	75.9	25.6	20.4	64.4
MAX	96.7	89.4	98.8	139	80.2	199	252	155	129	49.1	84.3	200
(WY)	(2003)	(2000)	(2001)	(1999)	(2000)	(2003)	(2001)	(1998)	(2000)	(1998)	(2003)	(2003)
MIN	8.46	7.97	17.2	18.3	19.4	30.4	75.3	33.6	14.3	5.97	2.53	2.41
(WY)	(1998)	(2002)	(1999)	(2001)	(2003)	(2001)	(2002)	(2001)	(1999)	(2002)	(2002)	(1998)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	18,254.7		32,449.5			
ANNUAL MEAN	50.0		88.9		63.1	
HIGHEST ANNUAL MEAN					88.9	2003
LOWEST ANNUAL MEAN					34.7	2002
HIGHEST DAILY MEAN	499	Oct 17	1,150	Sep 28	1,450	Sep 17, 1999
LOWEST DAILY MEAN	1.4	Aug 21	8.8	Jul 20	1.4	Aug 21, 2002
ANNUAL SEVEN-DAY MINIMUM	1.5	Aug 17	10	Oct 4	1.5	Aug 17, 2002
ANNUAL RUNOFF (CFSM)	1.85		3.29		2.34	
ANNUAL RUNOFF (INCHES)	25.15		44.71		31.73	
10 PERCENT EXCEEDS	104		219		129	
50 PERCENT EXCEEDS	42		51		36	
90 PERCENT EXCEEDS	2.9		14		4.8	

e Estimated



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.

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)
Oct 12	1030	110	3.41	Mar 29	1615	117	3.46
Oct 16	1815	a*241	*4.22	Jun 1	0630	121	3.49
Mar 22	1445	75	3.10				

a From rating curve extended as explained above.

Minimum discharge, 0.47 ft^3/s, Oct. 1, 2; minimum gage height, 1.14 ft, Oct. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.48	4.2	5.3	6.1	e1.8	3.0	18	10	54	3.3	3.8	1.6
2	0.48	3.9	e4.3	5.7	e1.7	3.4	14	23	31	3.0	3.2	6.1
3	0.52	3.6	e3.5	e5.4	e1.7	3.2	12	19	20	2.6	3.1	3.6
4	0.51	3.4	e2.8	e5.0	2.5	e3.2	11	15	15	2.3	3.4	14
5	0.59	3.2	e2.6	e4.7	2.2	e3.1	10	13	12	2.1	3.2	8.8
6	0.51	4.2	e2.5	e4.5	e1.9	e3.0	9.0	11	9.5	1.9	4.5	7.0
7	0.53	3.5	e2.4	e4.2	e1.9	e3.1	7.8	8.9	8.9	1.8	4.2	5.9
8	0.52	3.2	e2.4	e4.0	e1.8	3.0	7.2	8.0	7.5	1.6	3.8	5.0
9	0.52	3.2	e2.3	e4.0	e1.7	3.0	6.4	7.1	6.4	1.7	4.1	4.3
10	0.53	3.1	e2.2	e3.6	e1.7	3.0	6.1	6.0	5.4	1.5	10	3.8
11	1.5	3.2	e2.2	e3.4	e1.6	e3.0	7.5	6.0	4.9	1.6	15	3.3
12	66	3.9	e2.2	e3.3	e1.6	2.9	18	6.6	4.4	1.4	15	2.9
13	33	5.7	e2.2	e3.3	e1.5	2.7	19	5.6	4.5	1.2	12	3.0
14	18	5.8	e3.0	e3.1	e1.6	2.6	17	5.2	4.4	1.1	9.7	3.7
15	12	5.7	e2.6	e3.0	e1.6	2.7	24	4.8	3.8	1.1	7.7	4.1
16	67	5.8	e2.4	e2.9	e1.6	3.2	36	4.5	3.5	1.1	6.8	4.7
17	52	6.8	e2.2	e2.8	e1.7	5.9	23	4.2	3.2	0.96	7.5	4.2
18	25	6.6	e2.4	e2.6	e1.6	12	15	3.9	3.2	1.0	5.9	3.8
19	17	5.8	e2.7	e2.5	e1.5	12	12	3.6	3.0	0.88	4.8	9.8
20	13	6.0	14	e2.4	1.6	e20	11	3.3	3.6	0.82	4.1	8.1
21	11	6.5	15	e2.4	1.6	e40	10	3.7	4.0	2.7	3.6	7.1
22	8.9	12	12	e2.3	2.3	58	10	3.2	18	4.0	3.2	6.4
23	7.7	14	11	e2.3	4.0	37	9.0	3.2	14	2.6	2.8	23
24	6.6	12	e8.8	e2.3	3.5	26	7.7	3.4	11	2.2	2.5	16
25	5.8	11	e8.0	e2.5	3.2	28	6.5	3.3	8.6	1.9	2.3	12
26	7.1	9.4	e6.6	e2.3	e3.1	34	8.0	5.9	7.1	1.7	2.1	10
27	6.1	8.4	e6.0	e2.2	e3.1	28	8.1	6.4	6.0	1.5	1.9	9.1
28	5.6	7.4	e5.4	e2.0	3.1	25	7.7	7.0	5.1	1.4	1.7	28
29	5.2	6.7	e5.0	e2.0	---	58	7.2	6.9	4.4	1.3	1.6	18
30	4.9	6.0	e4.7	e1.8	---	44	6.7	6.5	3.9	1.2	1.6	14
31	4.5	---	5.6	e1.8	---	25	---	7.2	---	1.1	1.4	---
TOTAL	383.09	184.2	154.3	100.4	58.7	501.0	364.9	225.4	290.3	54.56	156.5	251.3
MEAN	12.4	6.14	4.98	3.24	2.10	16.2	12.2	7.27	9.68	1.76	5.05	8.38
MAX	67	14	15	6.1	4.0	58	36	23	54	4.0	15	28
MIN	0.48	3.1	2.2	1.8	1.5	2.6	6.1	3.2	3.0	0.82	1.4	1.6
CFSM	6.09	3.02	2.45	1.60	1.03	7.96	5.99	3.58	4.77	0.87	2.49	4.13
IN.	7.02	3.38	2.83	1.84	1.08	9.18	6.69	4.13	5.32	1.00	2.87	4.61

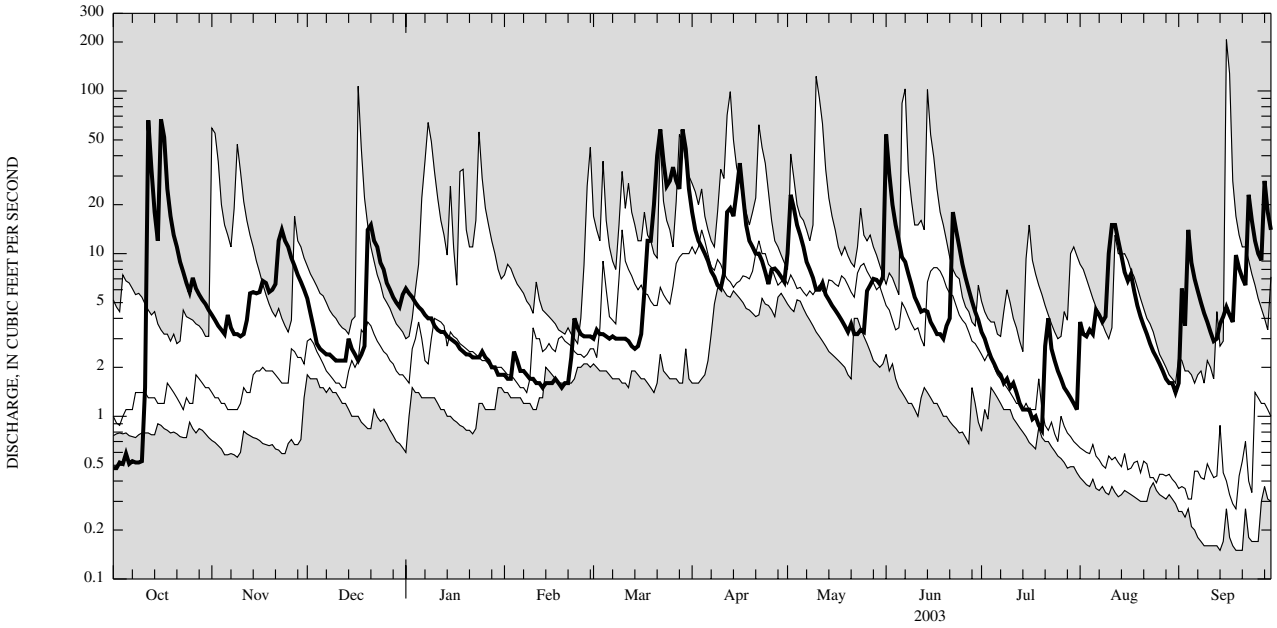
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	3.65	5.40	4.13	5.39	3.29	9.98	11.9	8.92	7.93	2.02	2.06	4.58
MAX	12.4	14.3	9.02	11.8	5.03	16.2	23.1	19.4	14.1	4.45	5.36	16.0
(WY)	(2003)	(1998)	(2001)	(1999)	(2000)	(2003)	(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)

01349840 BATAVIA KILL NEAR MAPLECREST, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	1,711.52		2,724.65			
ANNUAL MEAN	4.69		7.46		5.77	
HIGHEST ANNUAL MEAN					7.46	2003
LOWEST ANNUAL MEAN					3.07	2002
HIGHEST DAILY MEAN	67	Oct 16	67	Oct 16	207	Sep 16, 1999
LOWEST DAILY MEAN	0.15	Sep 14	0.48	Oct 1	0.15	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	0.16	Sep 8	0.52	Oct 1	0.16	Sep 8, 2002
ANNUAL RUNOFF (CFSM)	2.31		3.68		2.84	
ANNUAL RUNOFF (INCHES)	31.36		49.93		38.65	
10 PERCENT EXCEEDS	8.6		15		12	
50 PERCENT EXCEEDS	3.8		4.2		2.9	
90 PERCENT EXCEEDS	0.34		1.6		0.61	

e Estimated



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.

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, 1,980 ft^3/s, Oct. 16, gage height, 4.67 ft, outside gage height, 5.03 ft, from crest-stage gage; minimum discharge, 6.1 ft^3/s, Oct. 10, 11, gage height, 1.63 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	75	145	233	e47	e130	321	114	590	59	82	22
2	9.9	69	124	251	e47	e120	281	596	411	51	93	247
3	9.9	64	109	196	e48	e110	284	423	251	45	58	151
4	9.1	64	e96.0	198	e64	e100	289	267	194	40	57	503
5	9.2	63	e90	170	e100	e94	257	215	173	37	50	255
6	8.1	90	e82	e150	e94	e90	273	191	160	34	52	168
7	7.6	99	e76	e150	e88	e88	231	171	164	30	50	127
8	7.0	83	e72	e140	e82	e84	204	157	184	28	45	101
9	6.5	76	e72	e130	e76	e80	189	166	144	28	42	81
10	6.3	72	e74	e120	e72	e78	194	140	120	29	136	69
11	8.1	72	e78	e120	e66	e76	223	152	111	60	237	60
12	190	77	e86	e110	e62	e74	419	323	110	44	311	53
13	257	153	e96	e100	e60	e70	372	213	119	31	214	48
14	142	133	e100	e98	e58	e70	283	174	157	26	139	51
15	97	115	e110	e92	e58	e72	264	153	123	23	105	116
16	394	110	e100	e86	e56	e100	279	137	98	27	89	87
17	937	149	e92	e80	e54	e270	242	127	86	25	86	68
18	390	237	e92	e74	e60	800	199	121	89	23	79	60
19	218	190	e110	e68	e70	603	176	109	87	25	67	112
20	169	191	451	e64	e66	508	159	97	91	20	57	118
21	136	213	518	e62	e62	1,550	146	116	125	25	49	82
22	114	309	302	e60	e66	1,420	144	111	381	104	44	70
23	101	566	243	e58	e110	956	140	97	263	90	38	364
24	89	319	203	e54	e220	600	127	96	176	65	32	276
25	82	262	e190	e52	e210	605	116	96	138	49	28	171
26	135	231	e180	e50	e190	677	121	139	115	38	26	133
27	134	206	e170	e50	e170	562	164	166	98	31	26	160
28	108	174	e150	e48	e150	427	130	135	85	27	23	1,120
29	96	157	e130	e48	---	622	115	133	75	23	20	546
30	87	153	e120	e48	---	705	104	116	67	20	23	311
31	81	---	143	e48	---	431	---	115	---	18	21	---
TOTAL	4,049.7	4,772	4,604.0	3,208	2,506	12,172	6,446	5,366	4,985	1,175	2,379	5,730
MEAN	131	159	149	103	89.5	393	215	173	166	37.9	76.7	191
MAX	937	566	518	251	220	1,550	419	596	590	104	311	1,120
MIN	6.3	63	72	48	47	70	104	96	67	18	20	22

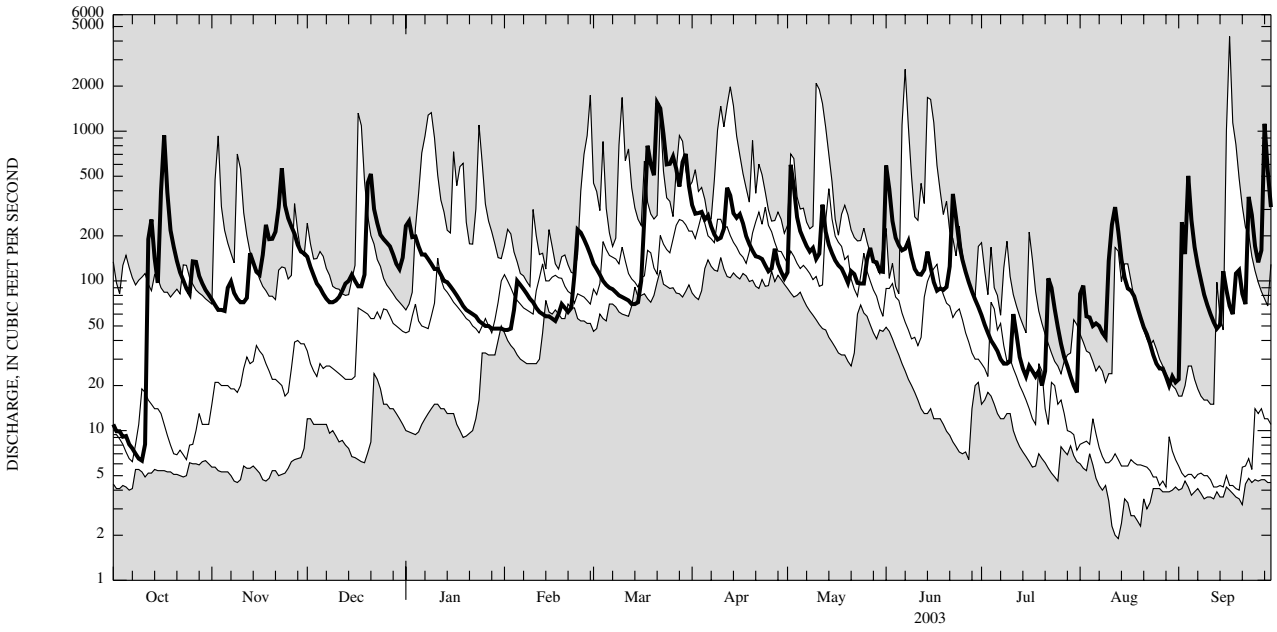
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	46.5	86.6	85.5	130	115	250	263	181	156	32.9	25.9	90.5
MAX	131	178	154	296	210	393	524	403	320	56.0	76.7	309
(WY)	(2003)	(1998)	(2001)	(1998)	(2000)	(2003)	(2001)	(1998)	(2000)	(1998)	(2003)	(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)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	33,928.6		57,392.7			
ANNUAL MEAN	93.0		157		122	
HIGHEST ANNUAL MEAN					171	1998
LOWEST ANNUAL MEAN					58.8	2002
HIGHEST DAILY MEAN	937	Oct 17	1,550	Mar 21	4,290	Sep 17, 1999
LOWEST DAILY MEAN	3.0	Aug 22	6.3	Oct 10	1.9	Aug 13, 1999
ANNUAL SEVEN-DAY MINIMUM	3.7	Aug 18	7.5	Oct 5	2.6	Aug 11, 1999
10 PERCENT EXCEEDS	206		310		251	
50 PERCENT EXCEEDS	78		108		68	
90 PERCENT EXCEEDS	5.7		31		5.9	

e Estimated



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.

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)
Oct 12	1215	4,820	7.07	Mar 29	2045	6,080	7.74
Oct 16	2215	*9,290	9.17	Jun 1	1145	4,820	7.07
Dec 20	1930	4,490	6.88	Sep 4	0845	4,630	6.96
Mar 17	2045	ice jam	*9.21	Sep 23	1215	7,100	8.23
Mar 21	0345	7,280	8.31	Sep 28	0215	9,090	9.09

Minimum discharge, 51 ft^3/s, Oct. 10, 11, gage height, 1.95 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	279	476	847	e150	e780	1,260	410	2,680	198	300	85
2	74	257	398	915	e150	e720	1,040	2,060	1,870	170	464	1,220
3	68	235	339	669	e150	e880	1,010	1,610	1,090	148	503	726
4	59	223	313	629	e230	e860	1,020	1,040	805	133	995	2,670
5	60	212	e300	571	e640	e800	926	820	682	116	499	1,290
6	83	358	e280	510	e480	e820	925	716	602	107	467	768
7	69	419	e270	472	e390	e860	787	615	585	96	409	551
8	63	308	e240	e420	e350	e740	697	551	649	105	298	423
9	57	279	e210	e390	e300	e640	632	567	499	97	239	338
10	52	258	e230	e350	e270	e560	637	469	414	97	1,700	280
11	57	261	e260	e310	e250	e500	765	499	379	173	1,500	238
12	2,950	291	e290	e300	e240	e460	1,690	1,040	374	124	1,800	206
13	2,050	676	321	e280	e230	e430	1,440	729	474	95	1,400	186
14	1,010	576	421	e270	e220	e400	1,050	606	667	81	767	222
15	625	488	693	e260	e210	e380	962	528	495	71	528	1,240
16	2,220	457	478	e250	e200	e1,200	1,180	470	395	89	440	811
17	3,940	665	394	e230	e200	e2,800	1,040	424	338	89	401	556
18	1,660	1,110	659	e220	e210	2,770	771	385	332	77	360	407
19	1,020	806	1,230	e210	e220	2,290	643	338	316	77	304	833
20	781	780	e2,100	e200	e230	1,850	571	298	342	63	242	837
21	601	848	2,180	e200	e250	6,060	524	339	479	78	203	545
22	464	1,250	1,240	e190	e280	4,900	519	327	1,730	399	177	427
23	385	2,270	943	e180	e500	3,310	501	288	1,290	321	167	3,080
24	343	1,270	749	e180	e1,800	2,110	441	296	782	225	140	1,770
25	300	990	e620	e170	e1,600	2,020	387	324	581	194	120	984
26	581	844	e580	e160	e1,300	2,390	420	536	458	151	109	728
27	617	732	e560	e160	e1,100	2,110	681	776	374	122	106	908
28	449	607	523	e160	e900	1,590	513	560	309	107	92	6,220
29	377	535	459	e160	---	2,650	436	567	263	91	83	2,530
30	336	517	414	e160	---	3,120	388	468	230	79	86	1,450
31	303	---	472	e150	---	1,750	---	458	---	70	80	---
TOTAL	21,743	18,801	18,642	10,173	13,050	52,750	23,856	19,114	20,484	4,043	14,979	32,529
MEAN	701	627	601	328	466	1,702	795	617	683	130	483	1,084
MAX	3,940	2,270	2,180	915	1,800	6,060	1,690	2,060	2,680	399	1,800	6,220
MIN	52	212	210	150	150	380	387	288	230	63	80	85
CFSM	2.96	2.64	2.54	1.38	1.97	7.18	3.36	2.60	2.88	0.55	2.04	4.58
IN.	3.41	2.95	2.93	1.60	2.05	8.28	3.74	3.00	3.22	0.63	2.35	5.11

01350000 SCHOHARIE CREEK AT PRATTSVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

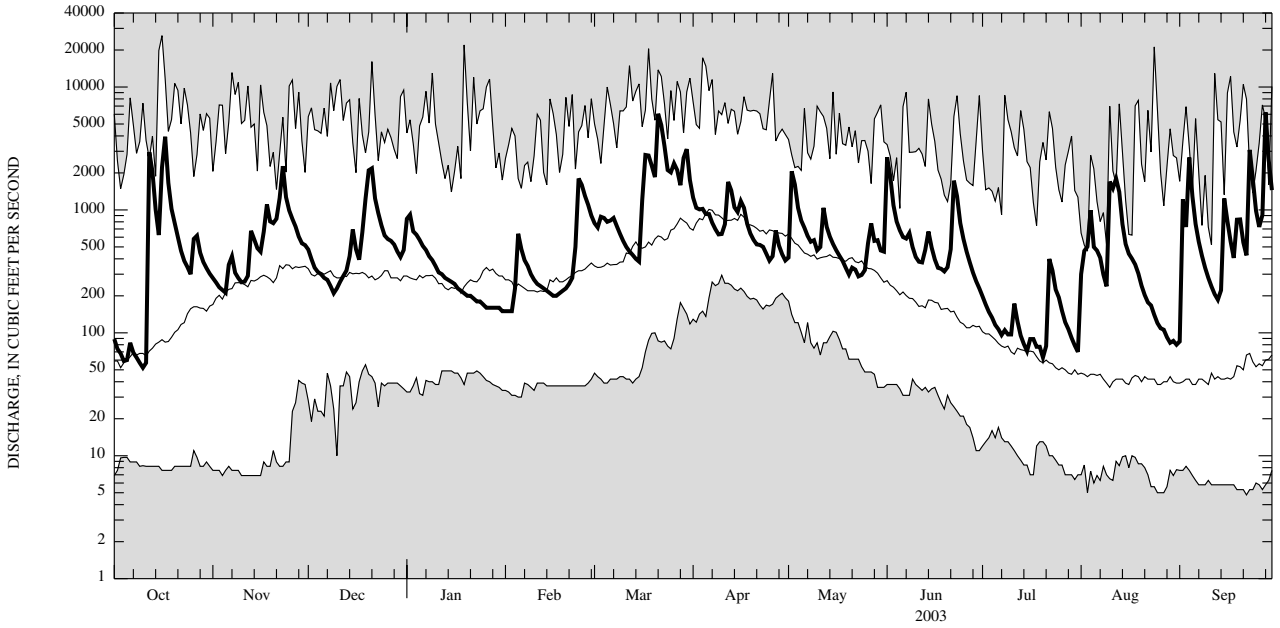
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2003, BY WATER YEAR (WY)

MEAN	300	483	522	473	452	874	1,099	591	304	158	123	187
MAX	2,496	1,526	1,723	2,210	1,711	2,805	3,023	1,738	1,230	981	1,190	1,153
(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1903 - 2003	
ANNUAL TOTAL	145,939		250,164			
ANNUAL MEAN	400		685		465	
HIGHEST ANNUAL MEAN					873	1978
LOWEST ANNUAL MEAN					202	1985
HIGHEST DAILY MEAN	3,940	Oct 17	6,220	Sep 28	26,200	Oct 16, 1955
LOWEST DAILY MEAN	16	Aug 22	52	Oct 10	4.8	Sep 22, 1964
ANNUAL SEVEN-DAY MINIMUM	18	Aug 18	63	Oct 5	5.3	Sep 18, 1964
ANNUAL RUNOFF (CFSM)	1.69		2.89		1.96	
ANNUAL RUNOFF (INCHES)	22.91		39.27		26.67	
10 PERCENT EXCEEDS	892		1,600		1,050	
50 PERCENT EXCEEDS	320		458		221	
90 PERCENT EXCEEDS	31		113		31	

e Estimated



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)
Mar 22	1400	29	2.11	Sep 4	0300	a*62	*2.34

a From rating curve extended above 30 ft^3/s.

Minimum discharge, 0.07 ft^3/s, Oct. 1, 2; minimum gage height, 1.29 ft, Oct. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.10	1.9	2.6	2.9	0.49	0.64	5.7	3.7	8.4	0.74	1.1	0.34
2	0.16	1.7	2.2	2.3	0.46	0.92	4.3	8.3	8.2	0.63	1.1	3.6
3	0.33	1.5	e1.2	2.0	0.43	e0.74	4.0	8.5	6.7	0.57	0.67	1.8
4	0.32	1.4	0.39	e1.8	e1.0	e0.70	3.8	7.0	5.0	0.49	0.68	11
5	0.79	1.3	0.34	e1.7	e0.70	e0.68	4.1	5.1	3.8	0.44	0.66	6.6
6	0.57	2.0	0.31	e1.6	e0.60	e0.66	3.8	4.5	2.9	0.39	0.68	4.4
7	0.56	1.6	0.28	e1.5	e0.60	0.68	3.3	3.8	3.0	0.35	0.63	2.9
8	0.56	1.4	0.26	e1.4	e0.56	0.66	3.1	3.3	2.4	0.31	0.61	2.1
9	0.58	1.3	e0.23	e1.3	e0.52	0.68	2.8	2.9	2.0	0.37	0.60	1.7
10	0.58	1.2	0.21	e1.2	e0.50	0.65	3.0	2.3	1.6	0.28	0.60	1.3
11	1.3	2.1	0.20	e1.1	e0.48	0.65	3.0	3.0	1.8	1.7	1.7	1.1
12	5.2	3.0	0.21	e1.1	e0.46	0.63	3.7	3.9	1.7	0.44	1.4	0.88
13	2.8	3.9	0.19	e1.0	e0.45	0.62	3.6	2.8	2.2	0.35	1.6	0.82
14	2.4	4.2	0.39	e0.96	e0.43	0.57	3.8	2.8	5.3	0.30	1.4	0.73
15	2.1	4.1	0.34	e0.90	e0.42	0.56	4.1	2.7	4.2	0.26	1.2	0.98
16	7.8	4.0	0.28	e0.86	e0.38	1.6	6.7	2.5	3.8	0.52	1.2	0.78
17	9.4	4.6	e0.27	e0.84	e0.36	4.7	6.4	2.3	3.0	0.30	1.0	0.55
18	6.2	4.5	e0.25	e0.80	e0.36	6.5	4.5	2.0	2.7	0.60	0.84	0.48
19	4.9	3.8	0.24	e0.80	e0.36	7.8	4.0	1.8	2.2	0.40	0.70	1.2
20	3.9	3.9	4.3	e0.76	e0.36	8.7	3.5	1.6	2.9	0.30	0.59	0.75
21	3.2	4.5	2.8	e0.76	e0.39	18	3.2	1.7	3.4	0.75	0.49	0.57
22	2.6	8.1	2.7	e0.74	e0.45	22	3.0	1.4	5.6	1.8	0.41	0.52
23	2.3	8.3	2.4	e0.76	e0.60	14	2.6	1.2	4.7	1.0	0.35	3.2
24	2.0	6.8	2.0	e0.76	e0.80	9.5	2.2	1.3	3.8	0.97	0.29	1.6
25	1.8	5.6	e1.7	e0.78	e0.70	9.3	2.0	1.3	2.7	0.86	0.26	1.8
26	3.8	4.6	e1.5	e0.78	e0.68	9.4	3.3	1.9	2.2	0.77	0.24	1.6
27	2.6	4.3	e1.4	e0.76	e0.66	9.5	2.9	1.6	1.8	0.71	0.19	1.6
28	2.4	3.7	1.4	e0.72	0.64	8.9	2.8	1.5	1.4	0.64	0.16	4.7
29	2.4	3.3	1.4	0.68	---	11	3.0	1.7	1.1	0.58	0.21	3.7
30	2.2	3.0	1.3	0.55	---	12	2.8	1.6	0.90	0.49	0.19	3.3
31	2.0	---	2.2	0.47	---	8.9	---	2.5	---	0.43	0.14	---
TOTAL	77.85	105.6	35.49	34.58	14.84	171.84	109.0	92.5	101.40	18.74	21.89	66.60
MEAN	2.51	3.52	1.14	1.12	0.53	5.54	3.63	2.98	3.38	0.60	0.71	2.22
MAX	9.4	8.3	4.3	2.9	1.0	22	6.7	8.5	8.4	1.8	1.7	11
MIN	0.10	1.2	0.19	0.47	0.36	0.56	2.0	1.2	0.90	0.26	0.14	0.34
CFSM	3.30	4.63	1.51	1.47	0.70	7.29	4.78	3.93	4.45	0.80	0.93	2.92
IN.	3.81	5.17	1.74	1.69	0.73	8.41	5.34	4.53	4.96	0.92	1.07	3.26

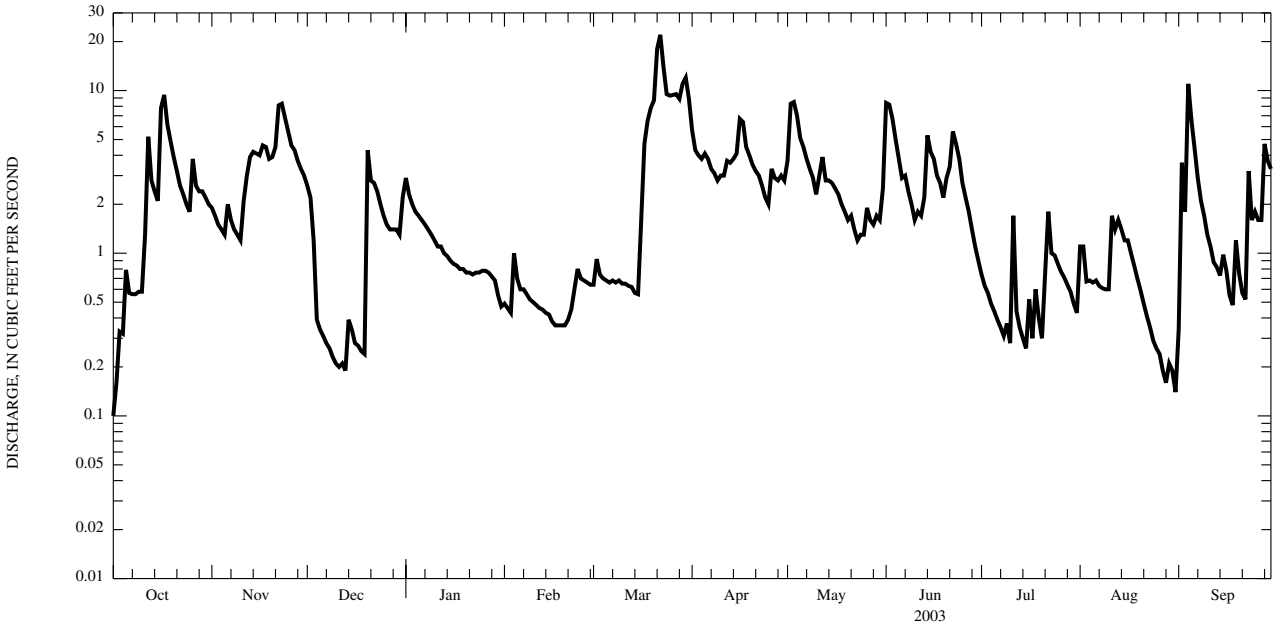
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	1.32	1.51	1.74	1.07	2.46	3.77	5.26	2.72	2.44	0.35	0.37	1.17
MAX	2.51	3.52	2.95	1.52	3.33	5.54	9.04	3.45	4.07	0.60	0.71	3.17
(WY)	(2003)	(2003)	(2001)	(2002)	(2002)	(2003)	(2001)	(2002)	(2000)	(2003)	(2003)	(1999)
MIN	0.092	0.093	1.14	0.50	0.53	1.46	3.44	1.16	1.08	0.11	0.037	0.063
(WY)	(2002)	(2002)	(2003)	(2001)	(2003)	(2001)	(2002)	(2001)	(2002)	(2002)	(2001)	(2001)

01350032 TOAD HOLLOW BROOK NEAR GRAND GORGE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	689.86		850.33			
ANNUAL MEAN	1.89		2.33		1.96	
HIGHEST ANNUAL MEAN					2.37	2000
LOWEST ANNUAL MEAN					1.43	2002
HIGHEST DAILY MEAN	9.4	Oct 17	22	Mar 22	37	Apr 13, 2001
LOWEST DAILY MEAN	0.00	Aug 22	0.10	Oct 1	0.00	Sep 4, 1999
ANNUAL SEVEN-DAY MINIMUM	0.03	Aug 17	0.20	Aug 25	0.00	Aug 22, 2001
ANNUAL RUNOFF (CFSM)	2.49		3.07		2.59	
ANNUAL RUNOFF (INCHES)	33.77		41.62		35.12	
10 PERCENT EXCEEDS	5.0		5.0		4.8	
50 PERCENT EXCEEDS	1.5		1.4		1.1	
90 PERCENT EXCEEDS	0.05		0.36		0.07	

e Estimated



CURRENT WATER YEAR DAILY MEAN 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 good 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 320 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)
Sep 2	0700	a648	4.66	Sep 4	0500	a*833	*5.22

a From rating curve extended as explained above.

Minimum discharge, 1.2 ft^3/s, Oct. 9, 10, 11, gage height, 1.54 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	25	49	158	e16	23	120	58	198	17	32	17
2	2.9	24	41	118	e16	42	110	248	126	15	46	264
3	4.6	21	32	75	e14	e45	110	163	95	13	20	96
4	3.3	20	30	e60	e20	e31	127	120	78	11	20	315
5	3.5	19	28	e52	e26	52	144	98	73	9.6	17	138
6	2.8	36	e29	e47	e24	76	139	86	63	24	17	86
7	2.1	31	e25	e45	e23	e36	104	68	69	14	14	62
8	1.7	26	e24	e43	e22	33	96	63	62	10	12	47
9	1.4	23	e23	e40	e21	38	89	65	49	11	10	37
10	1.2	22	e21	e38	e19	36	91	51	36	10	13	30
11	2.4	26	20	e33	e18	32	99	63	41	89	127	25
12	115	39	24	e30	e17	30	114	131	39	35	103	22
13	53	73	23	e29	e16	28	93	90	42	22	69	21
14	32	48	31	e27	e16	26	86	77	151	16	44	20
15	22	43	34	e26	e16	31	84	68	74	13	33	30
16	161	44	28	e25	e16	100	94	62	57	18	30	27
17	190	65	e24	e25	e16	227	88	56	48	13	33	18
18	106	79	65	e24	e16	233	74	51	49	20	28	16
19	74	62	57	e23	e15	200	68	45	43	16	21	29
20	57	76	311	e22	e14	201	55	40	51	11	17	21
21	41	91	179	e21	14	463	49	45	80	15	15	15
22	33	177	114	e20	17	392	51	37	132	47	13	13
23	31	238	89	e20	89	283	48	35	74	27	11	119
24	31	145	78	e19	120	185	41	39	57	21	9.5	53
25	24	114	67	e19	44	164	36	44	47	16	8.2	38
26	58	95	e66	e19	e26	182	84	60	38	12	11	33
27	39	80	e58	e18	e25	163	89	51	32	10	13	30
28	32	66	e52	e18	e24	128	64	42	27	9.6	7.7	167
29	29	57	e47	e18	---	177	59	39	23	8.5	8.4	93
30	27	54	46	e17	---	222	53	37	20	7.2	30	69
31	26	---	79	e17	---	156	---	56	---	6.4	13	---
TOTAL	1,209.5	1,919	1,794	1,146	720	4,035	2,559	2,188	1,974	567.3	845.8	1,951
MEAN	39.0	64.0	57.9	37.0	25.7	130	85.3	70.6	65.8	18.3	27.3	65.0
MAX	190	238	311	158	120	463	144	248	198	89	127	315
MIN	1.2	19	20	17	14	23	36	35	20	6.4	7.7	13
CFSM	1.52	2.49	2.25	1.44	1.00	5.06	3.32	2.75	2.56	0.71	1.06	2.53
IN.	1.75	2.78	2.60	1.66	1.04	5.84	3.70	3.17	2.86	0.82	1.22	2.82

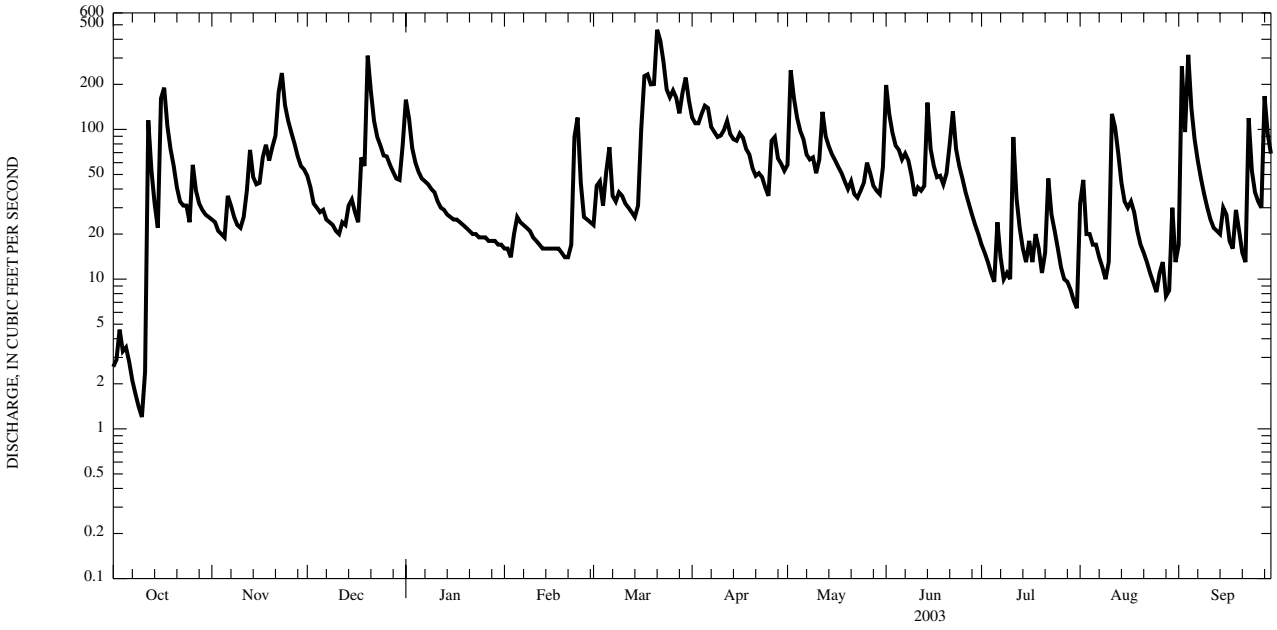
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	18.5	23.8	36.3	39.0	52.0	81.6	102	56.4	43.4	15.3	11.4	27.1
MAX	39.0	64.0	65.3	82.4	78.8	137	184	89.2	98.6	36.7	27.3	65.0
(WY)	(2003)	(2003)	(2001)	(1999)	(2000)	(2000)	(2001)	(2002)	(2000)	(1999)	(2003)	(2003)
MIN	0.64	1.17	6.02	17.5	25.7	29.0	44.3	13.7	4.98	3.44	0.50	0.77
(WY)	(2002)	(2002)	(1999)	(2001)	(2003)	(2001)	(1999)	(2001)	(1999)	(2001)	(2001)	(2001)

01350035 BEAR KILL NEAR PRATTSVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	14,687.07		20,908.6			
ANNUAL MEAN	40.2		57.3		42.1	
HIGHEST ANNUAL MEAN					61.9	2000
LOWEST ANNUAL MEAN					27.7	2002
HIGHEST DAILY MEAN	311	Dec 20	463	Mar 21	782	Apr 9, 2001
LOWEST DAILY MEAN	0.30	Aug 15	1.2	Oct 10	0.06	Sep 9, 2001
ANNUAL SEVEN-DAY MINIMUM	0.38	Aug 10	2.2	Oct 5	0.10	Sep 7, 2001
ANNUAL RUNOFF (CFSM)	1.57		2.23		1.64	
ANNUAL RUNOFF (INCHES)	21.26		30.26		22.26	
10 PERCENT EXCEEDS	96		127		100	
50 PERCENT EXCEEDS	29		37		23	
90 PERCENT EXCEEDS	0.81		13		1.3	

e Estimated



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. Satellite gage-height telemeter at station.

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)
Feb 26	1230	ice jam	*3.56	Mar 21	1745	*756	a3.46

a Recorded; outside gage height was 3.88 ft, from crest-stage gage.

Minimum discharge, 2.4 ft^3/s, Oct. 8, 9, 10, 11, gage height, 0.38 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	31	71	117	e20	32	142	55	177	20	31	14
2	2.9	29	62	116	e21	e33	133	247	123	17	36	172
3	3.2	26	e54	92	e22	e34	139	169	93	15	20	78
4	2.9	24	e44	e84	e23	e35	139	125	80	13	18	234
5	2.8	23	e37	79	e26	37	129	107	77	12	15	114
6	2.8	36	e34	75	e29	e38	135	101	73	20	16	80
7	2.6	37	e33	73	30	e37	115	90	77	13	14	62
8	2.5	32	e31	72	e32	37	104	84	78	12	12	50
9	2.4	29	e30	71	e32	e37	98	87	63	13	11	41
10	2.4	26	e40	e60	e32	e37	104	75	54	13	19	34
11	2.9	28	e35	e56	32	e36	116	84	54	77	39	28
12	57	36	e32	e52	e31	35	158	153	54	38	50	23
13	41	78	e31	e49	e30	35	146	107	51	23	35	20
14	24	58	e38	e46	e28	e35	126	94	109	17	25	20
15	15	51	e44	e44	e26	36	123	85	72	14	19	24
16	92	51	e45	e40	e25	e62	124	76	55	17	19	26
17	153	66	e48	e38	e23	151	112	69	47	14	19	18
18	93	90	e50	e35	e21	232	98	63	48	16	16	14
19	66	76	e54	e33	e19	196	88	57	46	17	14	25
20	52	85	195	e31	18	196	79	50	47	12	12	21
21	43	98	162	e29	20	558	72	58	61	14	10	15
22	37	141	118	e28	22	532	73	51	110	44	9.4	13
23	34	233	103	e27	53	356	73	47	75	33	8.4	78
24	30	147	87	e26	e52	235	65	48	55	24	7.7	52
25	26	126	e66	e24	e47	262	58	48	47	19	7.3	34
26	59	113	e64	e23	e45	279	70	70	40	14	9.1	27
27	52	101	e62	e22	e43	217	86	70	36	12	10	45
28	42	87	e62	e21	33	185	65	58	32	11	7.7	403
29	37	79	e60	e21	---	231	59	52	27	9.6	9.1	159
30	34	76	e58	e20	---	228	54	47	23	8.7	33	116
31	33	---	76	e20	---	171	---	51	---	8.2	15	---
TOTAL	1,050.3	2,113	1,926	1,524	835	4,625	3,083	2,578	1,984	590.5	566.7	2,040
MEAN	33.9	70.4	62.1	49.2	29.8	149	103	83.2	66.1	19.0	18.3	68.0
MAX	153	233	195	117	53	558	158	247	177	77	50	403
MIN	2.4	23	30	20	18	32	54	47	23	8.2	7.3	13
CFSM	1.05	2.17	1.92	1.52	0.92	4.60	3.17	2.57	2.04	0.59	0.56	2.10
IN.	1.21	2.43	2.21	1.75	0.96	5.31	3.54	2.96	2.28	0.68	0.65	2.34

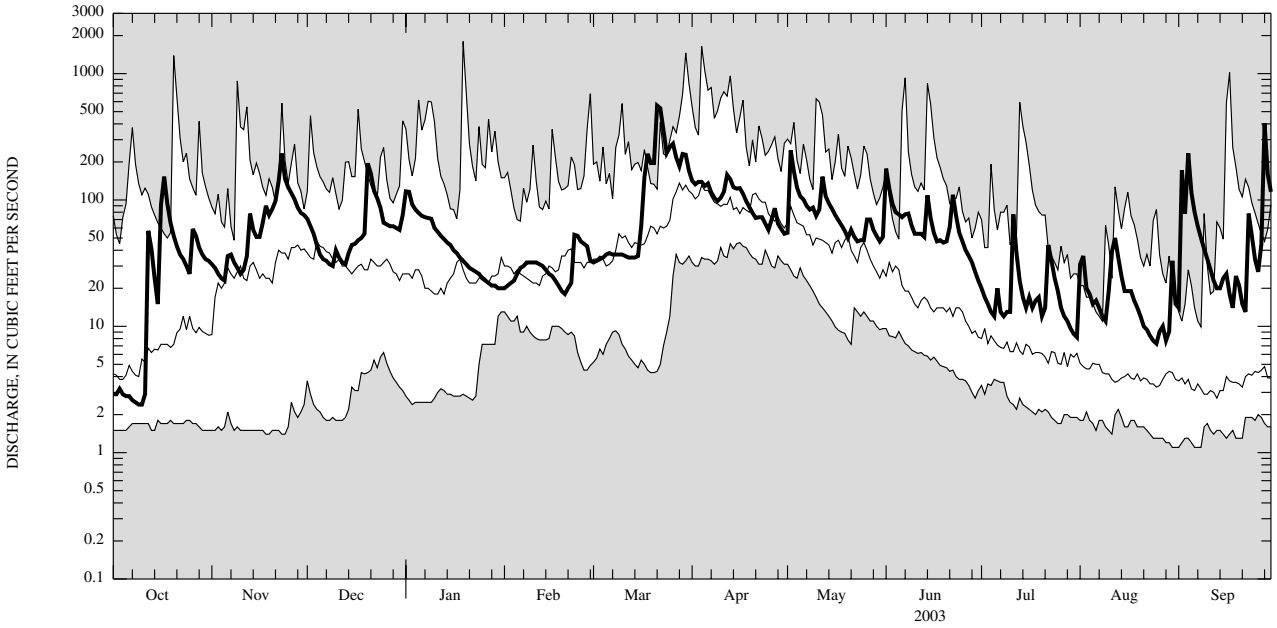
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2003, BY WATER YEAR (WY)

MEAN	28.4	46.1	45.5	52.1	42.4	89.9	134	70.6	37.2	16.7	8.44	17.5
MAX	128	116	153	165	116	149	297	152	127	80.5	33.3	99.1
(WY)	(1997)	(1997)	(1997)	(1996)	(1990)	(2003)	(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)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1986 - 2003	
ANNUAL TOTAL	14,288.1		22,915.5			
ANNUAL MEAN	39.1		62.8		49.1	
HIGHEST ANNUAL MEAN					73.2	1996
LOWEST ANNUAL MEAN					25.8	2002
HIGHEST DAILY MEAN	233	Nov 23	558	Mar 21	1,800	Jan 19, 1996
LOWEST DAILY MEAN	1.9	Aug 28	2.4	Oct 9	1.1	Aug 30, 1993
ANNUAL SEVEN-DAY MINIMUM	2.2	Sep 9	2.6	Oct 4	1.2	Aug 27, 1993
ANNUAL RUNOFF (CFSM)	1.21		1.94		1.52	
ANNUAL RUNOFF (INCHES)	16.40		26.31		20.58	
10 PERCENT EXCEEDS	95		131		118	
50 PERCENT EXCEEDS	31		44		24	
90 PERCENT EXCEEDS	2.5		14		3.1	

e Estimated



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. Satellite gage-height telemeter at station.

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.

***ENTER CONTENTS AT END & FOOTNOTES. *† and †† and ftnts † 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.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,131.73 ft, Sept. 28, contents, 20,255 mil gal; minimum elevation, 1,077.10 ft, Oct. 11-12, contents, 4,324 mil gal.

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 ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,082.19	1,120.91	1,129.50	1,126.08	1,129.93	1,130.07	1,130.46	1,130.30	1,130.75	1,130.04	1,121.52	1,129.97
2	1,082.05	1,120.73	1,129.11	1,127.15	1,129.94	1,130.07	1,130.40	1,130.79	1,130.69	1,130.01	1,122.00	1,130.57
3	1,081.91	1,120.47	1,128.56	1,128.20	1,129.93	1,130.12	1,130.40	1,130.73	1,130.48	1,129.96	1,122.24	1,130.48
4	1,081.53	1,120.17	1,127.80	1,129.37	1,129.98	1,130.07	1,130.41	1,130.54	1,130.39	1,129.82	1,123.44	1,130.90
5	1,080.57	1,119.85	1,127.07	1,130.21	1,130.07	1,130.10	1,130.38	1,130.43	1,130.35	1,129.67	1,124.64	1,130.61
6	1,079.53	1,119.66	1,126.35	1,130.23	1,130.05	1,130.15	1,130.38	1,130.37	1,130.29	1,129.53	1,125.56	1,130.43
7	1,078.65	1,119.81	1,125.60	1,130.22	1,130.04	1,130.08	1,130.34	1,130.33	1,130.17	1,129.30	1,126.37	1,130.34
8	1,078.26	1,119.79	1,124.83	1,130.21	1,130.00	1,130.09	1,130.31	1,130.27	1,130.21	1,128.92	1,126.86	1,130.28
9	1,077.90	1,119.64	1,123.96	1,130.22	1,129.99	1,130.10	1,130.29	1,130.26	1,130.19	1,128.52	1,127.37	1,130.24
10	1,077.54	1,119.43	1,122.97	1,130.20	1,129.99	1,130.07	1,130.29	1,130.21	1,130.24	1,128.11	1,129.04	1,130.21
11	1,077.21	1,119.23	1,122.02	1,130.15	1,129.98	1,130.05	1,130.34	1,130.20	1,130.23	1,128.01	1,130.44	1,130.17
12	1,080.27	1,119.08	1,121.18	1,130.14	1,129.96	1,130.07	1,130.54	1,130.44	1,130.23	1,127.91	1,130.64	1,130.14
13	1,087.65	1,119.51	1,120.37	1,130.13	1,129.92	1,130.08	1,130.53	1,130.34	1,130.25	1,127.55	1,130.56	1,130.12
14	1,090.84	1,120.19	1,119.65	1,130.09	1,129.89	1,130.04	1,130.42	1,130.27	1,130.39	1,127.13	1,130.37	1,130.12
15	1,092.31	1,120.60	1,119.51	1,130.08	1,129.87	1,130.06	1,130.41	1,130.23	1,130.31	1,126.67	1,130.27	1,130.45
16	1,093.78	1,120.88	1,119.35	1,130.08	1,129.81	1,130.14	1,130.46	1,130.19	1,130.26	1,126.25	1,130.23	1,130.41
17	1,103.73	1,121.35	1,118.82	1,130.07	1,129.78	1,130.42	1,130.44	1,130.16	1,130.22	1,125.84	1,130.23	1,130.31
18	1,109.48	1,122.71	1,118.00	1,130.02	1,129.76	1,130.68	1,130.36	1,130.14	1,130.22	1,125.39	1,130.20	1,130.24
19	1,112.45	1,123.96	1,117.22	1,130.02	1,129.73	1,130.65	1,130.33	1,130.11	1,130.22	1,124.80	1,130.18	1,130.33
20	1,114.56	1,124.88	1,117.80	1,130.04	1,129.71	1,130.54	1,130.31	1,130.08	1,130.23	1,124.13	1,130.14	1,130.44
21	1,116.09	1,125.87	1,122.70	1,130.02	1,129.68	1,131.38	1,130.30	1,130.10	1,130.30	1,123.49	1,130.12	1,130.34
22	1,116.93	1,126.84	1,124.89	1,130.00	1,129.68	1,131.27	1,130.32	1,130.11	1,130.62	1,123.44	1,130.10	1,130.28
23	1,117.40	1,129.71	1,125.95	1,129.98	1,129.89	1,130.99	1,130.32	1,130.08	1,130.57	1,123.80	1,130.07	1,130.80
24	1,117.72	1,130.31	1,126.49	1,129.98	1,130.29	1,130.70	1,130.30	1,130.08	1,130.40	1,123.86	1,130.05	1,130.69
25	1,117.99	1,130.22	1,126.73	1,129.99	1,130.19	1,130.65	1,130.27	1,130.10	1,130.32	1,123.77	1,130.01	1,130.46
26	1,118.41	1,130.14	1,126.73	1,130.00	1,130.11	1,130.74	1,130.29	1,130.16	1,130.28	1,123.61	1,130.03	1,130.38
27	1,119.44	1,130.09	1,126.72	1,129.99	1,130.10	1,130.68	1,130.42	1,130.33	1,130.24	1,123.36	1,130.01	1,130.36
28	1,120.06	1,130.00	1,126.60	1,129.96	1,130.09	1,130.55	1,130.35	1,130.22	1,130.21	1,123.07	1,129.97	1,131.43
29	1,120.44	1,129.88	1,126.37	1,129.96	---	1,130.69	1,130.31	1,130.24	1,130.18	1,122.73	1,129.93	1,130.87
30	1,120.68	1,129.70	1,126.01	1,129.95	---	1,130.91	1,130.30	1,130.23	1,130.13	1,122.34	1,130.00	1,130.61
31	1,120.85	---	1,125.68	1,129.94	---	1,130.59	---	1,130.21	---	1,121.83	1,129.97	---
MEAN	1,098.98	1,123.52	1,124.02	1,129.76	1,129.94	1,130.41	1,130.37	1,130.27	1,130.32	1,126.22	1,128.47	1,130.43
MAX	1,120.85	1,130.31	1,129.50	1,130.23	1,130.29	1,131.38	1,130.54	1,130.79	1,130.75	1,130.04	1,130.64	1,131.43
MIN	1,077.21	1,119.08	1,117.22	1,126.08	1,129.68	1,130.04	1,130.27	1,130.08	1,130.13	1,121.83	1,121.52	1,129.97

CAL YR 2002 MEAN 1,104.85 MAX 1,130.31 MIN 1,077.21
WTR YR 2003 MEAN 1,126.00 MAX 1,131.43 MIN 1,077.21

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.--Records fair except those for estimated daily discharges, which are poor. 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. Satellite gage-height telemeter at station.

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.

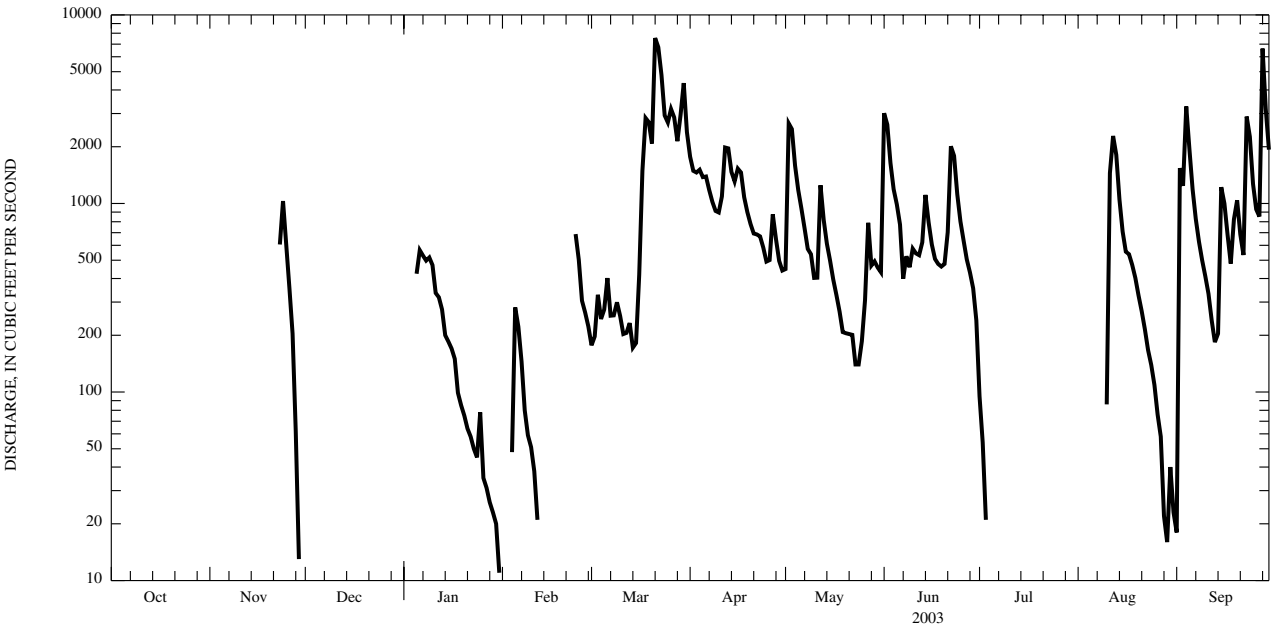
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,890 ft^3/s, Mar. 21, gage height, 17.09 ft; minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	177	1,770	449	3,010	95	---	18
2	---	---	---	---	---	197	1,490	2,660	2,620	54	---	1,540
3	---	---	---	---	---	328	1,460	2,480	1,640	21	---	1,240
4	---	---	---	---	48	244	1,510	1,590	1,190	---	---	3,270
5	---	---	---	424	281	274	1,380	1,180	988	---	---	1,940
6	---	---	---	565	222	402	1,390	939	773	---	---	1,190
7	---	---	---	529	145	254	1,180	737	399	---	---	829
8	---	---	---	498	80	255	1,020	574	525	---	---	627
9	---	---	---	517	59	299	913	538	459	---	---	500
10	---	---	---	471	51	253	896	403	576	---	86	411
11	---	---	---	335	38	203	1,090	404	544	---	1,450	332
12	---	---	---	318	21	206	1,980	1,250	532	---	2,280	240
13	---	---	---	274	---	232	1,960	819	622	---	1,810	184
14	---	---	---	200	---	172	1,470	613	1,110	---	1,050	204
15	---	---	---	185	---	182	1,310	499	794	---	710	1,220
16	---	---	---	e170	---	418	1,530	396	606	---	555	1,000
17	---	---	---	e150	---	1,490	1,460	327	508	---	538	681
18	---	---	---	99	---	2,840	1,080	267	478	---	473	480
19	---	---	---	e85	---	2,700	900	208	463	---	403	824
20	---	---	---	e75	---	2,080	778	e205	478	---	325	1,040
21	---	---	---	e64	---	7,540	693	e203	704	---	268	686
22	---	---	---	e58	---	6,740	685	201	2,010	---	215	533
23	---	606	---	e50	---	4,800	669	140	1,790	---	167	2,890
24	---	1,030	---	e45	688	2,930	584	140	1,120	---	139	2,260
25	---	608	---	e78	503	2,690	492	186	803	---	109	1,270
26	---	357	---	e35	305	3,170	501	307	635	---	76	931
27	---	204	---	e31	264	2,860	875	790	505	---	58	853
28	---	62	---	e26	223	2,140	647	469	430	---	22	6,630
29	---	13	---	23	---	2,950	496	493	355	---	16	3,180
30	---	---	---	20	---	4,350	441	457	240	---	40	1,930
31	---	---	---	11	---	2,390	---	432	---	---	23	---
TOTAL	---	---	---	---	---	55,766	32,650	20,356	26,907	---	---	38,933
MEAN	---	---	---	---	---	1,799	1,088	657	897	---	---	1,298
MAX	---	---	---	---	---	7,540	1,980	2,660	3,010	---	---	6,630
MIN	---	---	---	---	---	172	441	140	240	---	---	18

e Estimated

01350101 SCHOHARIE CREEK AT GILBOA, NY—Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

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 fair. Satellite gage-height telemeter at station.

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)
Dec 18	1145	ice jam	*3.07	Mar 21	1845	*150	2.97

Minimum discharge, 1.4 ft^3/s, Oct. 8, 9, 10, gage height, 1.75 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	6.4	20	27	e7.1	9.9	40	15	57	6.8	10	7.4
2	1.6	6.4	16	25	7.1	e11	37	73	45	6.6	12	37
3	1.8	6.4	27	e24	7.1	e11	40	55	27	6.5	8.1	17
4	1.7	6.2	63	e23	e7.4	e12	43	37	23	5.6	8.0	45
5	1.7	6.1	29	e22	e7.4	12	40	32	23	5.5	6.5	24
6	1.6	7.6	12	e21	e7.6	e13	42	31	23	11	6.9	14
7	1.6	7.4	e13	e20	e7.6	e13	36	30	25	6.9	6.2	14
8	1.5	7.4	e12	e20	e7.4	12	34	29	26	5.7	5.7	13
9	1.6	7.3	e11	e19	e6.8	e12	30	28	21	6.5	5.4	9.4
10	1.6	6.7	e11	e18	e6.6	12	30	23	16	5.8	6.4	7.8
11	2.6	6.3	e10	e17	e6.6	e12	35	27	17	33	12	7.4
12	13	7.5	e10	e16	e6.4	12	39	41	18	18	13	7.0
13	5.2	11	e11	e16	e6.2	12	37	34	17	9.5	10	6.6
14	3.8	11	e12	e15	e6.0	10	35	29	47	7.3	7.7	6.1
15	2.8	11	e12	e14	e6.0	12	31	25	22	6.2	6.2	7.1
16	14	11	13	e13	e6.0	21	31	23	15	6.8	6.3	8.2
17	26	13	e12	e12	e5.8	40	31	20	14	5.7	6.2	6.4
18	14	20	e12	e12	e5.8	67	27	15	12	6.2	5.8	5.5
19	13	16	e13	e11	e6.0	68	25	13	12	5.6	5.4	6.7
20	9.3	19	30	e11	e6.2	68	22	12	12	5.0	4.9	5.9
21	6.6	24	40	e10	6.3	133	20	16	18	5.6	4.6	5.2
22	6.8	34	24	e9.6	8.1	132	21	13	33	13	4.5	5.3
23	6.3	56	e23	e9.4	e10	114	22	12	19	8.6	4.3	23
24	6.0	37	e21	e8.8	e11	85	19	12	13	7.5	4.0	17
25	6.0	31	e20	e8.6	e12	85	16	12	13	6.0	3.9	12
26	12	30	19	e8.2	e12	92	22	20	13	5.4	4.4	8.5
27	13	29	e19	e7.8	e11	76	29	17	9.7	5.3	4.2	12
28	7.9	25	e18	e7.6	10	60	19	14	8.1	5.1	3.7	99
29	6.5	23	e18	e7.2	---	71	16	13	7.2	4.9	5.5	50
30	6.6	22	e17	7.0	---	80	13	11	7.1	4.7	7.7	29
31	6.6	---	e20	7.1	---	54	---	15	---	4.4	5.5	---
TOTAL	204.4	504.7	588	447.3	213.5	1,421.9	882	747	613.1	240.7	205.0	516.5
MEAN	6.59	16.8	19.0	14.4	7.62	45.9	29.4	24.1	20.4	7.76	6.61	17.2
MAX	26	56	63	27	12	133	43	73	57	33	13	99
MIN	1.5	6.1	10	7.0	5.8	9.9	13	11	7.1	4.4	3.7	5.2
CFSM	0.60	1.54	1.74	1.32	0.70	4.21	2.70	2.21	1.87	0.71	0.61	1.58
IN.	0.70	1.72	2.01	1.53	0.73	4.85	3.01	2.55	2.09	0.82	0.70	1.76

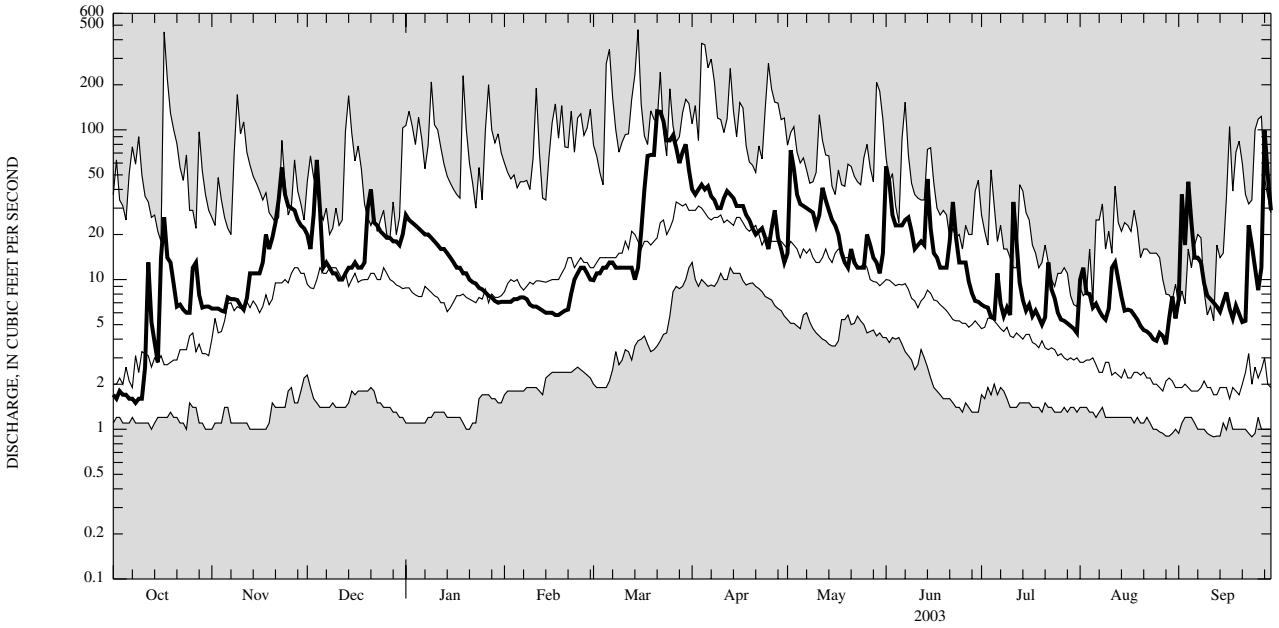
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	8.72	10.5	12.2	13.3	16.1	29.1	33.2	19.0	10.8	5.27	3.58	4.89
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)

01350120 PLATTER KILL AT GILBOA, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	4,199.70		6,584.1			
ANNUAL MEAN	11.5		18.0		13.8	
HIGHEST ANNUAL MEAN					26.6	1978
LOWEST ANNUAL MEAN					5.43	1985
HIGHEST DAILY MEAN	63	Dec 4	133	Mar 21	467	Mar 15, 1986
LOWEST DAILY MEAN	0.90	Aug 28	1.5	Oct 8	0.89	Sep 12, 1980
ANNUAL SEVEN-DAY MINIMUM	1.0	Sep 7	1.6	Oct 4	0.95	Aug 24, 1980
ANNUAL RUNOFF (CFSM)	1.06		1.65		1.27	
ANNUAL RUNOFF (INCHES)	14.33		22.47		17.19	
10 PERCENT EXCEEDS	30		37		31	
50 PERCENT EXCEEDS	6.9		12		7.9	
90 PERCENT EXCEEDS	1.3		5.5		1.7	

e Estimated



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 control 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 control 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 21	1645	a*342	b*3.82				

a From rating curve extended above 140 ft^3/s on basis of step-backwater analysis.
b Recorded; outside gage height was 5.01 ft, from crest-stage gage.

Minimum discharge, 0.71 ft^3/s, Oct. 9, 10, 11, gage height, 1.33 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	12	32	68	e9.0	e14	60	48	117	5.6	16	6.8
2	1.2	11	e24	59	e10	e15	57	188	51	4.7	24	e80
3	1.2	11	20	44	e11	e15	64	96	35	4.0	9.4	44
4	1.1	10	20	e35	18	e16	73	56	30	3.5	11	133
5	1.2	9.8	19	e24	19	e16	83	45	29	3.4	8.3	51
6	1.1	22	20	e22	e12	e20	84	43	28	24	7.1	33
7	0.91	20	18	e21	e10	e17	54	35	30	8.0	5.2	25
8	0.82	15	18	e20	e9.5	e18	47	34	29	6.0	4.0	20
9	0.77	13	13	e18	e9.0	e20	42	36	22	6.5	3.6	16
10	0.72	12	15	e17	e10	e18	50	28	18	5.8	6.5	14
11	1.5	12	15	e16	e9.4	e17	55	48	21	70	83	11
12	51	20	18	e14	e8.6	17	69	94	21	19	e50	9.6
13	23	47	19	e13	e8.0	17	57	56	22	11	e24	8.8
14	12	28	26	e12	e7.8	16	46	43	87	8.6	15	8.8
15	7.4	23	30	e11	e7.2	20	43	36	32	6.5	11	16
16	70	23	25	e11	e6.8	45	39	31	23	10	9.1	15
17	73	33	e16	e10	e6.6	134	34	28	20	6.8	9.8	8.9
18	39	41	e17	e10	e7.0	180	30	24	20	6.7	9.9	6.9
19	25	35	22	e10	e7.6	136	27	21	18	5.8	7.2	10
20	21	44	133	e10	e8.0	129	24	18	18	4.0	5.6	8.7
21	16	51	93	e9.8	8.6	271	22	20	31	7.7	4.6	6.1
22	13	99	59	e9.0	10	240	25	17	53	24	4.1	5.1
23	13	134	49	e7.0	19	181	24	15	28	13	3.4	87
24	12	79	41	e8.0	33	130	22	19	19	8.8	2.7	29
25	e11	65	30	e9.0	e14	134	20	22	15	6.1	2.4	18
26	32	55	41	e10	e12	135	63	28	12	4.5	3.5	16
27	24	47	38	e10	e11	103	51	23	11	3.9	e4.4	14
28	18	39	32	e9.2	e11	83	32	18	9.0	3.7	e2.4	107
29	15	35	29	e9.0	---	120	29	16	7.6	3.0	6.0	45
30	13	35	27	e8.5	---	119	26	14	6.6	2.6	e15	31
31	12	---	e35	e8.0	---	80	---	20	---	2.2	e7.4	---
TOTAL	512.32	1,080.8	994	542.5	313.1	2,476	1,352	1,220	863.2	299.4	375.6	884.7
MEAN	16.5	36.0	32.1	17.5	11.2	79.9	45.1	39.4	28.8	9.66	12.1	29.5
MAX	73	134	133	68	33	271	84	188	117	70	83	133
MIN	0.72	9.8	13	7.0	6.6	14	20	14	6.6	2.2	2.4	5.1
CFSM	1.02	2.22	1.98	1.08	0.69	4.93	2.78	2.43	1.78	0.60	0.75	1.82
IN.	1.18	2.48	2.28	1.25	0.72	5.69	3.10	2.80	1.98	0.69	0.86	2.03

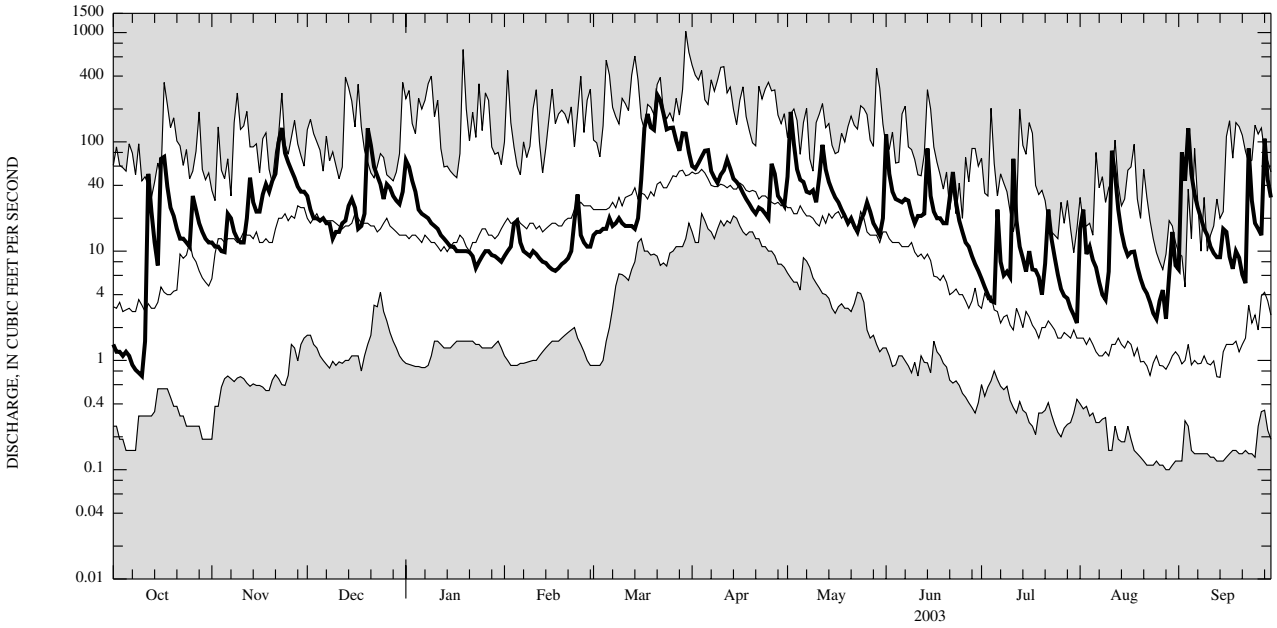
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	13.0	21.3	24.5	25.5	29.8	54.2	58.7	30.9	15.2	6.18	3.93	6.80
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)

01350140 MINE KILL NEAR NORTH BLENHEIM, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	7,874.40		10,913.62			
ANNUAL MEAN	21.6		29.9		24.1	
HIGHEST ANNUAL MEAN					40.9	1993
LOWEST ANNUAL MEAN					12.7	1985
HIGHEST DAILY MEAN	191	Mar 27	271	Mar 21	1,030	Mar 30, 1993
LOWEST DAILY MEAN	0.25	Aug 15	0.72	Oct 10	0.10	Aug 28, 1980
ANNUAL SEVEN-DAY MINIMUM	0.34	Sep 9	0.95	Oct 4	0.11	Aug 24, 1980
ANNUAL RUNOFF (CFSM)	1.33		1.85		1.49	
ANNUAL RUNOFF (INCHES)	18.08		25.06		20.21	
10 PERCENT EXCEEDS	55		69		56	
50 PERCENT EXCEEDS	15		18		12	
90 PERCENT EXCEEDS	0.65		5.7		0.89	

e Estimated



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 except those for estimated daily discharges, which are poor. 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, if flow was greater than about 400 ft^3/s, undetermined amounts of flow bypassed the gage. From October 1, 1998, through September 30, 2000, if flow was greater than about 2,000 ft^3/s, undetermined amounts of flow bypassed the gage. Since October 1, 2000, if flow is greater than about 5,000 ft^3/s, undetermined amounts of flow bypass the gage. Since October 1996, records for periods when flows bypass the gage are furnished by the New York Power Authority. Satellite gage-height telemeter at station.

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, 8,750 ft^3/s, Mar. 21, from New York Power Authority, gage height, 9.09 ft, outside gage height was 9.41 ft, from crest-stage gage; minimum discharge, 4.6 ft^3/s, Oct. 2, 5, 6, 10, gage height, 0.80 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	9.1	49	118	e30	204	1,720	490	2,630	88	32	11
2	4.8	8.7	67	216	19	211	1,390	2,920	2,340	88	78	1,510
3	5.2	9.2	53	256	9.6	340	1,410	2,330	1,350	66	19	1,140
4	5.1	33	21	111	34	254	1,410	1,300	965	19	17	3,240
5	4.9	19	24	239	147	289	1,400	1,190	825	12	21	1,720
6	5.6	54	71	608	261	492	1,320	853	704	41	8.9	974
7	e6.9	54	39	526	112	235	1,150	713	396	19	8.3	675
8	e6.7	26	33	494	e90	282	942	571	542	35	12	601
9	7.0	e11	33	516	e50	264	949	562	466	11	27	460
10	4.8	e15	58	476	e30	257	776	496	533	10	58	378
11	5.7	e33	23	348	e60	280	1,040	431	506	220	1,260	307
12	11	e80	24	286	e45	173	1,830	1,240	482	37	2,120	157
13	6.9	133	80	340	e38	266	1,920	826	560	23	1,570	161
14	8.2	16	26	e260	e14	325	1,360	590	1,080	12	858	202
15	9.7	78	60	e180	e13	169	1,240	556	701	8.9	545	1,030
16	15	51	41	e170	e13	411	1,380	456	602	37	485	852
17	17	101	98	e200	e32	1,510	1,290	326	487	33	443	585
18	85	57	12	e120	e40	2,900	990	321	465	10	311	543
19	52	89	72	e80	68	2,810	856	282	466	10	414	504
20	51	101	287	e110	56	2,210	676	264	402	9.2	271	773
21	33	147	169	e120	18	7,380	714	133	687	9.4	279	541
22	27	179	99	e90	15	7,010	674	262	1,740	77	182	538
23	23	649	85	e70	13	5,060	686	162	1,600	38	169	2,720
24	19	1,030	89	e46	463	3,030	593	150	960	27	115	2,140
25	8.7	601	123	e50	315	2,760	503	244	719	10	117	992
26	43	446	102	e26	207	3,400	589	264	530	9.6	36	719
27	75	310	81	e40	278	2,980	806	774	451	8.9	105	583
28	27	148	91	e80	237	2,160	601	470	429	6.4	39	6,290
29	18	94	45	e70	---	2,830	518	442	323	6.5	6.9	3,270
30	64	84	24	e40	---	e4,530	400	367	306	6.6	93	1,620
31	32	---	135	e35	---	2,430	---	403	---	6.2	37	---
TOTAL	687.8	4,666.0	2,214	6,321	2,707.6	57,452	31,133	20,388	24,247	994.7	9,737.1	35,236
MEAN	22.2	156	71.4	204	96.7	1,853	1,038	658	808	32.1	314	1,175
MAX	85	1,030	287	608	463	7,380	1,920	2,920	2,630	220	2,120	6,290
MIN	4.8	8.7	12	26	9.6	169	400	133	306	6.2	6.9	11

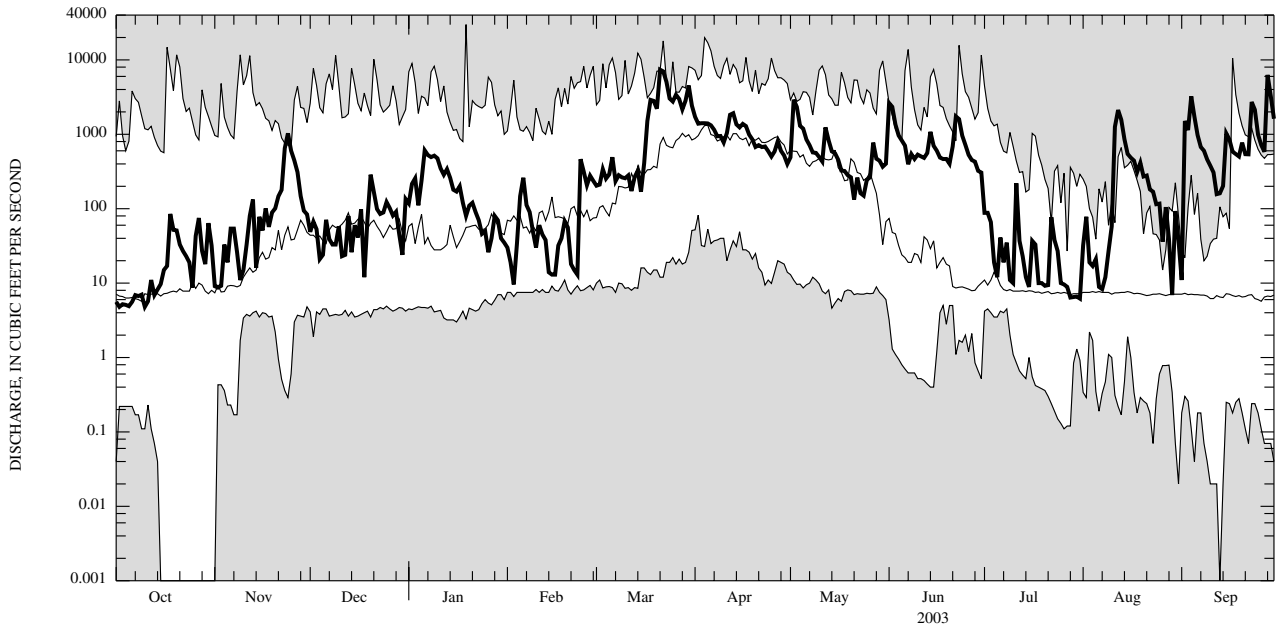
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	171	277	349	329	341	885	1,336	668	303	61.8	23.6	79.0
MAX	1,474	1,511	1,796	1,610	1,468	2,532	3,685	1,599	1,561	452	314	1,175
(WY)	(1978)	(1978)	(1997)	(1979)	(1976)	(1979)	(1987)	(1984)	(1972)	(1973)	(2003)	(2003)
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)

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	18,139.4		195,784.2			
ANNUAL MEAN	49.7		536		399	
HIGHEST ANNUAL MEAN					834	1978
LOWEST ANNUAL MEAN					21.7	1985
HIGHEST DAILY MEAN	1,030	Nov 24	7,380	Mar 21	29,900	Jan 19, 1996
LOWEST DAILY MEAN	4.1	Jan 9	4.8	Oct 2	0.00	Oct 15, 1972
ANNUAL SEVEN-DAY MINIMUM	4.5	Jan 17	5.4	Oct 1	0.00	Oct 15, 1972
10 PERCENT EXCEEDS	120		1,400		1,110	
50 PERCENT EXCEEDS	19		180		30	
90 PERCENT EXCEEDS	5.7		11		4.9	

e Estimated



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, 12,400 ft^3/s, Mar. 21, gage height, 8.84 ft; minimum discharge, 11 ft^3/s, Oct. 6, 7, 11; minimum gage height, 1.56 ft, Oct. 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	68	212	376	e100	380	2,900	780	3,460	127	56	37
2	13	62	195	571	e90	300	2,400	4,230	3,580	100	209	2,130
3	12	59	168	522	e76	549	2,450	3,700	2,130	111	90	1,800
4	12	65	127	388	92	435	2,490	2,200	1,560	48	65	4,420
5	12	79	119	401	278	398	2,390	1,910	1,270	34	70	2,730
6	12	94	139	1,040	598	689	2,400	1,470	1,170	44	51	1,560
7	12	147	187	990	274	451	2,020	1,210	608	48	47	999
8	12	100	123	866	e190	387	1,740	954	820	52	41	871
9	12	77	104	876	e130	379	1,590	929	680	32	55	590
10	12	70	168	867	e110	397	1,390	744	753	32	47	447
11	12	73	118	642	e140	416	1,810	705	704	310	1,580	367
12	68	116	100	450	e120	272	2,830	2,130	702	107	3,190	226
13	75	312	171	549	e120	375	3,180	1,470	748	55	2,410	149
14	44	148	125	467	e90	529	2,260	1,060	1,630	43	1,260	195
15	35	162	194	e400	e80	238	2,090	922	1,060	33	736	1,310
16	92	162	156	e430	e78	651	2,260	733	866	35	594	1,300
17	266	227	213	e500	e80	2,880	2,100	534	661	70	558	738
18	205	207	123	e280	e130	5,130	1,580	508	618	31	366	678
19	124	255	180	e170	e160	5,040	1,390	428	622	30	464	602
20	125	274	754	e190	202	4,140	1,080	405	502	27	299	1,090
21	83	390	645	e200	118	10,100	1,070	256	945	29	325	718
22	77	551	414	e150	120	10,000	1,040	378	2,280	139	177	645
23	73	1,710	294	e130	143	7,580	1,030	251	2,310	83	182	3,430
24	65	2,470	310	e110	1,030	4,810	904	223	1,370	63	114	3,260
25	51	1,390	283	e120	992	4,580	741	347	1,000	43	119	1,570
26	119	890	378	e100	692	5,250	1,010	393	670	37	68	1,140
27	199	748	264	e78	882	4,690	1,430	1,120	557	32	68	764
28	118	411	246	e123	463	3,580	1,050	738	511	28	95	8,340
29	85	280	201	e170	---	4,280	833	620	368	24	24	4,750
30	114	252	148	e130	---	6,510	647	512	341	23	85	2,520
31	103	---	277	e110	---	3,840	---	530	---	22	62	---
TOTAL	2,256	11,849	7,136	12,396	7,578	89,256	52,105	32,390	34,496	1,892	13,507	49,376
MEAN	72.8	395	230	400	271	2,879	1,737	1,045	1,150	61.0	436	1,646
MAX	266	2,470	754	1,040	1,030	10,100	3,180	4,230	3,580	310	3,190	8,340
MIN	12	59	100	78	76	238	647	223	341	22	24	37

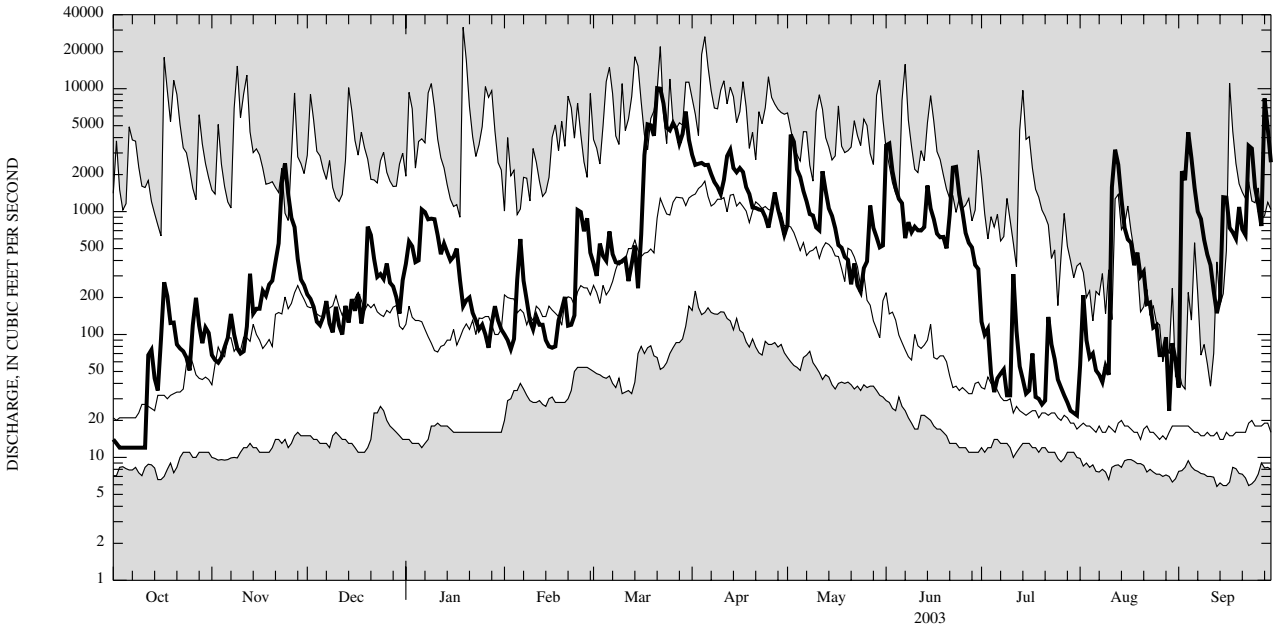
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	295	446	419	508	480	1,239	1,725	847	387	107	49.7	135
MAX	1,973	1,909	2,494	3,311	1,698	3,354	4,522	2,206	1,990	1,145	436	1,646
(WY)	(1978)	(1978)	(1997)	(1996)	(1976)	(1979)	(1987)	(1996)	(2000)	(1996)	(2003)	(2003)
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)

01350355 SCHOHARIE CREEK AT BREAKABEEN, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	59,419.4		314,237			
ANNUAL MEAN	163		861		553	
HIGHEST ANNUAL MEAN					1,152	1996
LOWEST ANNUAL MEAN					89.9	1985
HIGHEST DAILY MEAN	2,470	Nov 24	10,100	Mar 21	31,600	Jan 19, 1996
LOWEST DAILY MEAN	8.3	Sep 11	12	Oct 3	5.8	Sep 13, 1980
ANNUAL SEVEN-DAY MINIMUM	8.8	Sep 11	12	Oct 3	6.3	Sep 11, 1980
10 PERCENT EXCEEDS	365		2,390		1,510	
50 PERCENT EXCEEDS	100		367		100	
90 PERCENT EXCEEDS	12		48		14	

e Estimated



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, 20,900 ft^3/s, Mar. 21, gage height, 6.03 ft; minimum discharge, 35 ft^3/s, Oct. 10, 11, gage height, 0.71 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	451	1,220	1,540	e540	e960	4,480	1,460	6,110	534	188	151
2	58	401	955	2,080	e540	e900	3,710	4,620	7,340	304	1,060	490
3	50	369	794	1,680	e560	e940	4,530	6,620	3,830	263	707	2,190
4	52	338	685	1,690	e640	e960	4,950	3,680	2,760	240	446	2,990
5	64	324	665	1,470	e740	e1,000	3,910	2,740	2,200	172	393	3,470
6	61	438	e640	1,580	e840	e940	3,970	2,480	2,010	142	402	1,800
7	59	713	e620	1,810	e940	e1,000	3,410	2,090	1,510	132	426	1,270
8	55	632	634	1,650	e900	e1,000	2,900	1,770	1,550	145	357	923
9	47	540	565	1,640	e900	e1,000	2,420	1,640	1,300	137	259	896
10	39	479	524	1,690	e860	e1,000	2,720	1,420	1,270	124	288	690
11	40	449	674	1,500	e840	e960	3,800	1,300	1,180	198	438	600
12	66	462	701	1,340	e800	e940	5,700	3,350	1,270	650	2,650	485
13	272	1,110	721	1,280	e760	e920	6,610	3,050	1,180	319	2,290	345
14	307	1,150	877	1,160	e720	e960	4,390	2,180	1,580	210	1,610	314
15	196	800	1,420	947	e680	e1,000	3,660	1,830	1,580	168	1,140	575
16	277	773	1,220	e860	e620	e1,500	3,540	1,560	1,160	145	815	1,300
17	2,030	1,050	906	e840	e580	e3,600	3,180	1,350	1,040	130	790	1,010
18	1,250	1,830	721	e800	e540	9,520	2,620	1,200	900	169	740	707
19	821	1,630	769	e780	e520	9,670	2,130	1,020	894	125	573	706
20	627	1,770	1,310	e760	e500	6,920	1,900	985	826	108	604	862
21	530	1,980	3,170	e720	e490	14,700	1,670	918	929	107	486	919
22	423	2,280	1,920	e700	e640	19,200	1,720	823	2,040	234	444	675
23	389	5,090	1,580	e680	e840	15,800	1,800	815	2,740	447	357	1,270
24	383	3,880	1,410	e660	e1,300	9,570	1,630	732	1,850	303	314	4,260
25	341	2,930	1,290	e620	e1,500	8,730	1,440	872	1,340	237	231	1,870
26	773	2,360	1,060	e580	e1,400	9,780	2,160	1,140	1,070	180	233	1,380
27	1,200	1,910	e1,000	e560	e1,200	7,930	4,240	1,710	884	144	172	972
28	824	1,600	e960	e560	e1,100	6,010	2,490	1,720	702	124	143	6,060
29	623	1,260	e920	e540	---	5,980	1,930	1,460	646	107	176	6,540
30	526	1,160	897	e520	---	9,700	1,630	1,290	554	94	109	3,300
31	503	---	861	e520	---	6,300	---	1,150	---	84	135	---
TOTAL	12,959	40,159	31,689	33,757	22,490	159,390	95,240	58,975	54,245	6,476	18,976	49,020
MEAN	418	1,339	1,022	1,089	803	5,142	3,175	1,902	1,808	209	612	1,634
MAX	2,030	5,090	3,170	2,080	1,500	19,200	6,610	6,620	7,340	650	2,650	6,540
MIN	39	324	524	520	490	900	1,440	732	554	84	109	151

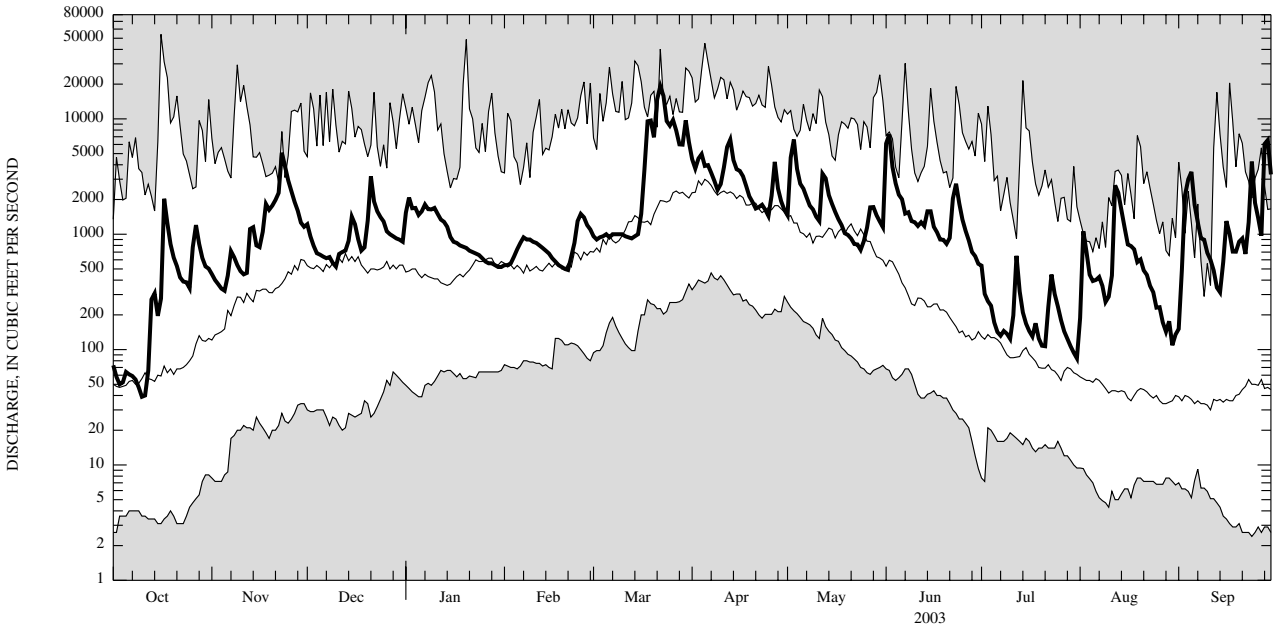
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	420	767	984	1,012	1,082	2,403	3,133	1,571	698	236	130	200
MAX	5,181	3,414	4,753	5,089	4,069	6,627	8,446	4,045	3,384	2,312	1,159	2,330
(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)

01351500 SCHOHARIE CREEK AT BURTONSVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	256,457		583,376			
ANNUAL MEAN	703		1,598		1,051	
HIGHEST ANNUAL MEAN					2,014	1996
LOWEST ANNUAL MEAN					320	1965
HIGHEST DAILY MEAN	7,270	Mar 27	19,200	Mar 22	54,100	Oct 16, 1955
LOWEST DAILY MEAN	13	Sep 14	39	Oct 10	2.4	Sep 24, 1964
ANNUAL SEVEN-DAY MINIMUM	18	Aug 13	52	Oct 5	2.6	Sep 21, 1964
10 PERCENT EXCEEDS	1,640		3,670		2,720	
50 PERCENT EXCEEDS	526		920		336	
90 PERCENT EXCEEDS	34		178		31	

e Estimated



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 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)
Mar 17	1930	a*339	*3.66

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

a From rating curve extended as explained above.

Minimum recorded discharge, 1.2 ft^3/s, Oct. 10, 11, gage height, 0.47 ft, but may have been less during period of estimated daily discharge, Oct. 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	4.7	e13	38	e6.0	e10	45	16	115	9.6	81	4.6
2	1.8	4.7	e11	58	e6.2	e14	44	117	60	6.2	48	31
3	1.7	5.1	e9.0	34	e6.6	e18	73	68	27	4.2	13	10
4	1.9	4.6	e7.4	e30	e7.0	e16	78	32	21	3.5	21	41
5	2.0	4.8	7.4	25	e7.6	e15	49	23	22	3.4	35	14
6	1.6	28	8.4	20	e8.4	e14	50	29	16	3.0	15	6.9
7	1.4	13	e7.4	e20	e8.0	e14	42	22	19	2.7	11	5.5
8	1.3	7.6	e7.0	e20	e7.0	e13	35	19	19	2.9	8.6	4.5
9	1.7	6.6	e9.0	21	e6.4	e13	33	17	15	5.3	7.0	3.6
10	e1.2	6.1	e10	19	e6.0	e12	74	14	12	3.7	16	3.4
11	2.3	13	13	e20	e5.6	e12	84	38	13	89	32	3.3
12	34	19	15	e19	e5.2	e15	82	96	17	25	15	3.2
13	7.5	52	17	e17	e4.8	e20	56	52	12	7.7	9.8	3.0
14	5.1	18	49	e14	e4.7	e26	35	38	17	5.4	6.6	3.2
15	3.2	11	60	e12	e4.6	e50	33	23	11	5.2	4.9	3.0
16	48	11	37	e12	e5.0	e100	28	21	8.4	13	4.3	14
17	66	79	e22	e11	e5.6	242	22	18	7.1	6.6	3.8	4.4
18	16	86	e20	e10	e6.6	e220	20	14	6.5	4.6	6.2	3.1
19	7.9	51	e17	e9.6	e8.0	e100	19	12	6.9	3.9	13	8.8
20	6.1	47	e80	e9.0	e10	83	18	11	7.9	3.1	6.5	5.0
21	5.0	41	55	e8.6	e9.0	155	16	14	25	24	4.0	3.6
22	4.8	56	26	e8.0	e10	119	22	12	47	31	5.0	2.8
23	5.5	99	21	e7.6	e12	98	20	10	19	28	4.0	72
24	5.1	36	17	e7.2	e15	81	16	13	10	42	3.1	28
25	4.2	23	e17	e6.8	e14	76	14	15	7.8	13	2.8	9.7
26	51	23	e16	e6.6	e13	68	55	51	6.8	6.6	22	6.8
27	16	20	e17	e6.2	e12	55	58	41	5.3	5.8	26	5.6
28	8.5	17	e16	e6.0	e11	44	26	79	5.5	4.5	6.9	61
29	6.7	17	e15	e6.0	---	57	20	49	4.6	3.7	5.1	28
30	5.5	15	e16	e5.8	---	73	16	23	12	3.2	7.4	13
31	5.1	---	21	e5.8	---	63	---	29	---	2.7	4.0	---
TOTAL	330.3	819.2	656.6	493.2	225.3	1,896	1,183	1,016	575.8	372.5	448.0	406.0
MEAN	10.7	27.3	21.2	15.9	8.05	61.2	39.4	32.8	19.2	12.0	14.5	13.5
MAX	66	99	80	58	15	242	84	117	115	89	81	72
MIN	1.2	4.6	7.0	5.8	4.6	10	14	10	4.6	2.7	2.8	2.8
CFSM	0.68	1.75	1.36	1.02	0.52	3.92	2.53	2.10	1.23	0.77	0.93	0.87
IN.	0.79	1.95	1.57	1.18	0.54	4.52	2.82	2.42	1.37	0.89	1.07	0.97

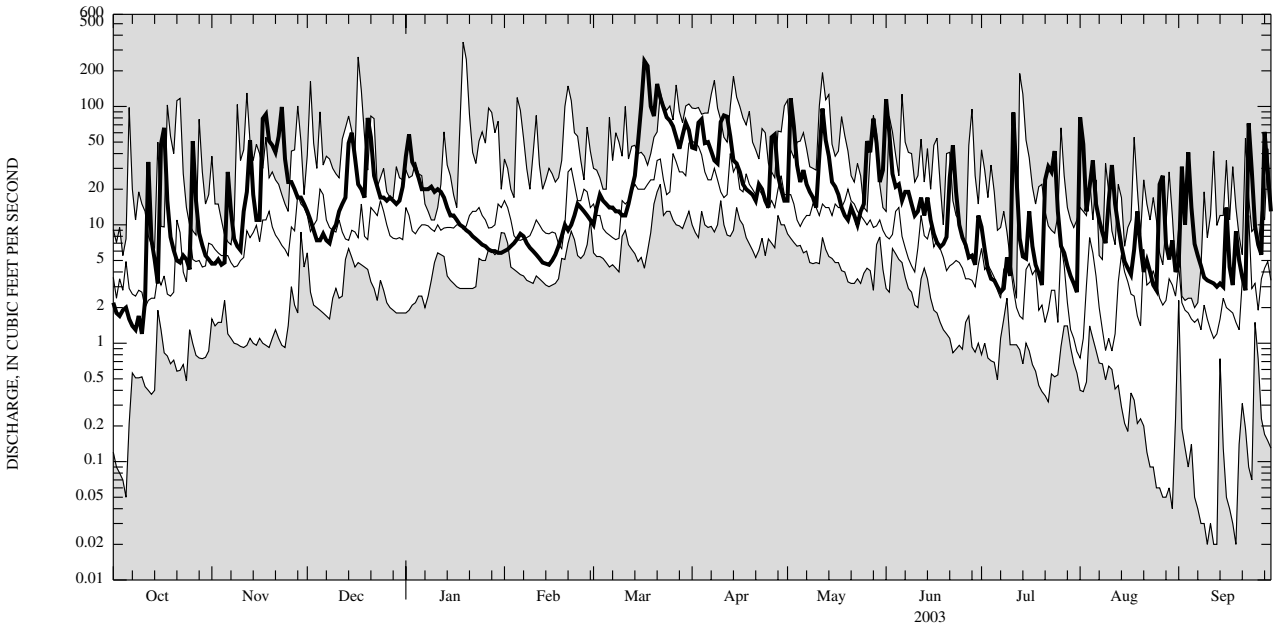
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

MEAN	9.09	14.7	17.6	17.4	17.0	33.0	35.0	21.6	12.8	7.95	6.09	5.37
MAX	21.0	27.3	37.3	44.1	34.2	61.2	61.5	41.5	22.1	25.5	14.5	13.5
(WY)	(1996)	(2003)	(1997)	(1996)	(1997)	(2003)	(1994)	(1996)	(2002)	(1996)	(2003)	(2003)
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)

01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1993 - 2003	
ANNUAL TOTAL	5,205.48		8,421.9			
ANNUAL MEAN	14.3		23.1		16.5	
HIGHEST ANNUAL MEAN					23.1	1996
LOWEST ANNUAL MEAN					7.74	1995
HIGHEST DAILY MEAN	152	Mar 27	242	Mar 17	350	Jan 19, 1996
LOWEST DAILY MEAN	0.55	Aug 12	1.2	Oct 10	0.02	Sep 10, 2001
ANNUAL SEVEN-DAY MINIMUM	0.62	Aug 7	1.6	Oct 4	0.03	Sep 7, 2001
ANNUAL RUNOFF (CFSM)	0.91		1.48		1.06	
ANNUAL RUNOFF (INCHES)	12.41		20.08		14.36	
10 PERCENT EXCEEDS	34		57		40	
50 PERCENT EXCEEDS	7.5		13		8.4	
90 PERCENT EXCEEDS	1.6		4.0		1.4	

e Estimated



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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993-97, October 2000 to current year.
CHEMICAL DATA: 1993 (c), 1994-95 (e), 2001-03 (d).
MINOR ELEMENTS DATA: 1993 (a).
PESTICIDE DATA: 1993 (a), 1994 (d), 1995 (e), 2001 (d), 2002-03 (c).
ORGANIC DATA: OC--1993 (c), 1994-95 (e).
PCB--1993 (a).
PCN--1993 (a).
NUTRIENT DATA: 1993 (c), 1994-95 (e), 2001-03 (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), 2001-03 (d).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: August 1993 to September 1997.

REMARKS.--For many of the samples collected, analysis was performed using two analytical methods; method SH2010 and method SH2060. Because each of these methods share one or more pesticides, separate tables are provided so that each 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, 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.

METHOD SH2010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT													
08...	1015	1.3	10	769	10.1	94	8.0	1,150	17.5	12.0	215	206	55.4
DEC													
03...	1115	e9.0	10	774	13.9	95	7.8	981	3.0	0.0	257	176	53.9
JAN													
08...	1200	e20	10	743	13.4	92	7.7	1,340	3.0	0.0	284	300	50.6
FEB													
06...	1130	e8.4	10	767	13.2	91	7.5	1,070	0.0	0.0	178	226	45.0
MAR													
04...	0955	e16	10	762	12.9	89	7.1	1,080	-7.0	0.0	166	222	44.3
31...	1110	61	10	752	12.9	99	7.6	734	3.0	3.5	126	130	34.4
MAY													
01...	1100	13	10	754	14.3	142	8.4	951	20.0	14.5	219	175	40.0
28...	1140	96	10	750	8.0	79	7.7	576	17.0	14.5	128	89.1	21.6
JUL													
01...	0730	13	10	760	7.3	79	7.9	824	24.0	18.5	162	134	27.7
31...	1100	2.7	10	760	8.8	101	8.1	1,140	31.5	22.0	227	208	38.9

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)
OCT													
08...	0.32	<0.04	0.23	<0.008	0.02	0.035	<0.006	<0.006	<0.006	<0.004	<0.005	101	<0.007
DEC													
03...	0.29	<0.04	0.65	0.009	<0.02	0.020	<0.006	<0.006	<0.006	<0.004	<0.005	133	<0.007
JAN													
08...	0.31	0.05	0.64	E.006	<0.02	0.026	--	--	--	--	--	--	--
FEB													
06...	0.32	0.06	0.57	E.007	<0.02	0.017	<0.006	<0.006	<0.006	<0.004	<0.005	90.3	<0.007
MAR													
04...	0.31	0.06	0.58	E.005	<0.02	0.020	--	--	--	--	--	--	--
31...	0.30	<0.04	0.51	E.004	<0.02	0.027	<0.006	<0.006	<0.006	<0.004	<0.005	84.2	<0.007
MAY													
01...	0.33	<0.04	0.23	E.005	<0.02	0.014	<0.006	<0.006	<0.006	<0.004	<0.005	124	<0.007
28...	1.1	0.07	0.43	0.015	<0.02	0.19	<0.006	<0.006	<0.006	<0.004	<0.005	120	<0.007
JUL													
01...	0.69	0.08	0.63	0.029	E.01	0.096	<0.006	E.011	<0.006	<0.004	<0.005	99.0	0.027
31...	0.38	<0.04	0.69	E.005	E.02	0.053	<0.006	<0.006	<0.006	<0.004	<0.005	94.3	<0.007

01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY—Continued

METHOD SH2010--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)
OCT													
08...	<0.050	<0.010	<0.002	E.021	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.017	125	<0.005
DEC													
03...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.006	132	<0.005
JAN													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	106	<0.005
MAR													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.005	98.1	<0.005
MAY													
01...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	143	<0.005
28...	<0.050	<0.010	<0.002	E.104	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	E.025	0.0	<0.005
JUL													
01...	<0.050	<0.010	<0.002	E.158	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.045	114	<0.005
31...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	106	<0.005

Date	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)
OCT													
08...	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006
DEC													
03...	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006
JAN													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006
MAR													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006
MAY													
01...	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006
28...	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006
JUL													
01...	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006
31...	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006

Date	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
OCT													
08...	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011
DEC													
03...	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011
JAN													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
MAR													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011
MAY													
01...	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
28...	0.025	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
JUL													
01...	E.011	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.03	<0.004	<0.010	<0.011
31...	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011

01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY—Continued

METHOD SH2010--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspended sediment concentration mg/L (80154)
OCT									
08...	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	2
DEC									
03...	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	9
JAN									
08...	--	--	--	--	--	--	--	--	16
FEB									
06...	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	2
MAR									
04...	--	--	--	--	--	--	--	--	3
31...	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	7
MAY									
01...	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	2
28...	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	128
JUL									
01...	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	34
31...	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	7

METHOD SH2060

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sampling method, code (82398)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	3-Ketocarbofuran, water, fltrd, ug/L (50295)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)
JUL													
31...	1105	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02	<0.008

Date	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	Atrazine, water, fltrd, ug/L (39632)	Bendiocarb, water, fltrd, ug/L (50299)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chlorambenmethyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)
JUL													
31...	<0.04	E.003	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0097	<0.03	<0.006	<0.02	<0.010

Date	Chlorodiaminos-triazine, wat flt ug/L (04039)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cycloate, water, fltrd, ug/L (04031)	Dacthal monoacid, water, fltrd 0.7u GF ug/L (49304)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Imazaquin, water, fltrd, ug/L (50356)
JUL													
31...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03	<0.02

01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Linuron water fltrd 0.7u GF ug/L (38478)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	Metsulfuron, water, fltrd, ug/L (61697)	N-(4-Chlorophenyl)-N-'methylurea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)
JUL 31...	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01	<0.02

Date	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sulfometruron, water, fltrd, ug/L (50337)	Terbacil, water, fltrd, ug/L (04032)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)
JUL 31...	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	M	<0.009	<0.010	<0.02

e Estimated daily
E Estimated
M Presence verified, not quantified

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 Reliant Energy 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. 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. Satellite and 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)
Mar 23	0400	*65,700	*18.66	Mar 26	1200	43,900	16.83

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,490	3,010	6,490	6,150	3,270	5,300	20,800	6,990	17,900	1,730	3,220	1,060
2	1,220	3,620	6,370	9,050	3,070	5,200	16,500	10,300	23,100	2,150	6,330	2,690
3	1,650	3,470	6,470	10,300	3,200	5,120	17,100	17,100	14,400	1,710	5,220	4,850
4	1,250	4,660	3,330	8,260	3,020	5,330	20,700	13,400	10,600	1,580	5,920	5,080
5	1,690	6,520	4,350	7,720	3,500	5,010	21,600	6,380	6,850	1,510	9,960	9,330
6	1,570	6,810	4,100	7,160	6,620	5,110	18,500	7,210	7,400	1,460	13,700	4,170
7	1,610	7,480	3,920	7,370	7,590	5,560	17,000	7,580	6,640	1,370	9,270	3,000
8	1,480	9,310	4,080	7,330	6,430	5,240	15,000	6,470	5,330	1,440	4,980	3,720
9	1,690	6,450	3,820	7,160	5,710	5,110	12,700	5,970	4,550	1,420	4,530	2,640
10	1,360	5,270	3,680	7,210	5,360	5,040	11,500	4,710	3,130	1,540	5,180	2,660
11	1,370	4,760	3,190	7,080	4,600	5,010	15,600	4,970	4,280	2,370	7,890	1,820
12	1,850	6,400	3,370	6,220	4,050	4,640	20,800	10,800	5,710	2,730	7,590	1,930
13	1,850	8,910	3,780	5,900	3,850	4,510	25,500	17,800	5,000	2,530	12,200	1,950
14	1,950	9,170	5,130	5,330	3,330	4,350	18,800	16,500	4,940	2,000	8,120	1,880
15	2,100	6,720	7,660	4,310	3,160	4,260	15,400	14,500	6,770	1,790	6,320	1,270
16	2,760	5,280	10,700	4,580	3,060	4,490	13,100	11,800	5,910	1,800	4,020	2,080
17	13,800	5,860	8,710	4,290	2,920	6,250	12,100	7,800	3,850	2,410	7,300	4,110
18	10,900	9,400	5,880	4,090	2,780	14,700	13,600	6,430	2,580	2,300	6,090	3,520
19	6,200	11,400	4,940	3,590	3,000	29,000	11,600	5,180	3,360	2,320	4,600	1,840
20	7,300	11,400	5,860	4,290	3,220	28,800	11,000	4,790	3,100	1,730	2,130	1,730
21	7,410	11,600	8,150	4,060	3,230	34,600	10,100	3,150	3,330	2,040	4,440	2,420
22	4,080	11,300	12,300	3,710	3,150	57,200	9,600	3,450	12,400	6,880	1,110	2,190
23	3,390	18,700	10,300	3,510	3,360	60,100	10,900	2,990	10,400	5,910	2,280	3,980
24	4,640	19,400	8,130	3,780	5,000	44,800	11,400	3,560	8,680	7,540	2,100	9,090
25	4,240	15,200	6,910	3,730	7,920	38,100	10,100	6,670	4,090	5,970	1,950	5,230
26	8,240	12,700	4,710	3,410	8,330	40,700	8,440	7,810	3,110	3,730	1,490	4,390
27	14,600	10,500	5,180	3,760	6,960	34,600	17,300	9,440	3,160	3,450	2,040	3,080
28	8,870	8,620	6,270	3,360	5,500	27,900	12,100	8,830	2,710	2,110	2,250	8,540
29	6,800	7,250	6,050	3,040	---	25,500	8,870	10,900	2,480	2,020	2,090	16,500
30	5,060	6,610	5,800	3,420	---	33,700	5,500	9,770	1,870	1,860	2,070	7,950
31	3,270	---	5,650	3,440	---	28,400	---	7,240	---	1,690	1,460	---
TOTAL	136,690	257,780	185,280	166,610	125,190	583,630	433,210	260,490	197,630	81,090	157,850	124,700
MEAN	4,409	8,593	5,977	5,375	4,471	18,830	14,440	8,403	6,588	2,616	5,092	4,157
MAX	14,600	19,400	12,300	10,300	8,330	60,100	25,500	17,800	23,100	7,540	13,700	16,500
MIN	1,220	3,010	3,190	3,040	2,780	4,260	5,500	2,990	1,870	1,370	1,110	1,060

01357500 MOHAWK RIVER AT COHOES, NY—Continued

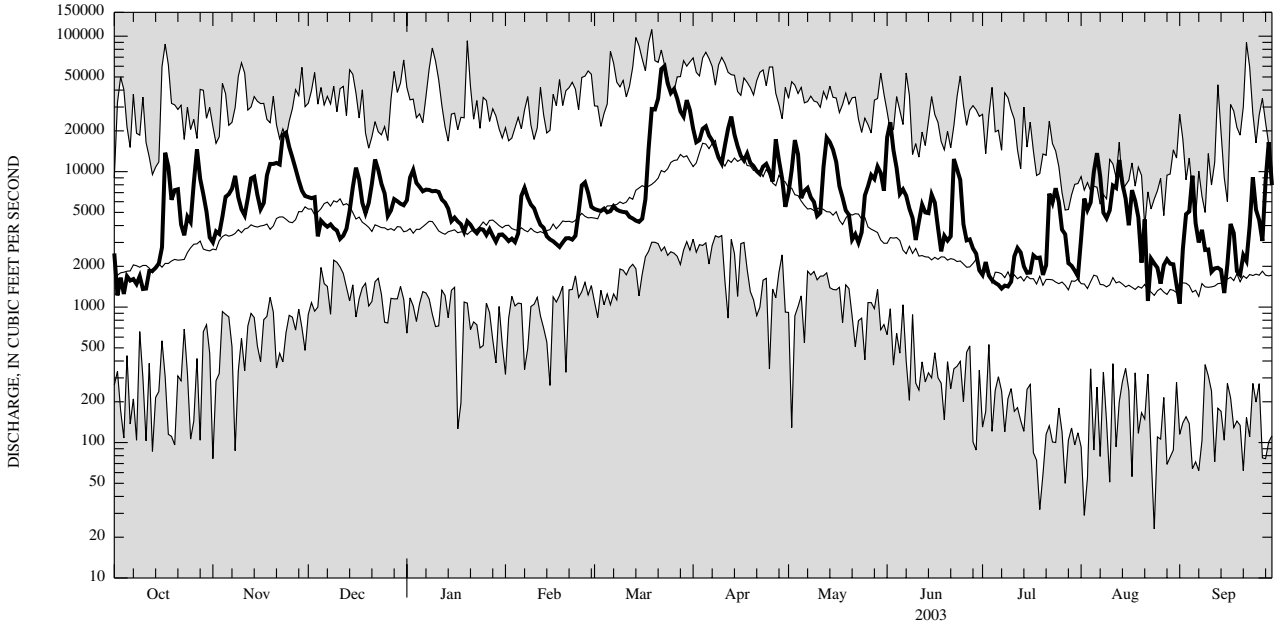
DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2003, BY WATER YEAR (WY)

MEAN	3,321	5,460	6,252	5,703	5,768	11,190	13,920	6,882	3,677	2,344	1,759	2,294
MAX	13,950	14,090	16,340	16,400	15,810	28,580	32,280	17,320	14,290	8,779	5,138	9,345
(WY)	(1978)	(1928)	(1997)	(1998)	(1976)	(1936)	(1993)	(1943)	(1972)	(1935)	(2000)	(1938)
MIN	731	842	1,841	1,017	1,314	3,723	3,530	1,835	1,121	671	605	740
(WY)	(1965)	(1931)	(1931)	(1931)	(1931)	(1940)	(1995)	(1995)	(1941)	(1941)	(1941)	(1995)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1926 - 2003	
ANNUAL TOTAL	2,106,750		2,710,150			
ANNUAL MEAN	5,772		7,425		5,707	
HIGHEST ANNUAL MEAN					8,270	1972
LOWEST ANNUAL MEAN					3,017	1965
HIGHEST DAILY MEAN	39,500	May 14	60,100	Mar 23	112,000	Mar 19, 1936
LOWEST DAILY MEAN	262	Sep 4	1,060	Sep 1	23	Aug 24, 1941
ANNUAL SEVEN-DAY MINIMUM	460	Sep 4	1,470	Jul 4	458	Aug 24, 1995
10 PERCENT EXCEEDS	11,900		14,800		13,100	
50 PERCENT EXCEEDS	4,560		5,220		3,340	
90 PERCENT EXCEEDS	799		1,910		1,140	



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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	79	3.0	3.0	3.0	3.0	3.0	73	91	151	97	175
2	103	79	3.0	3.0	3.0	3.0	3.0	85	97	139	139	97
3	109	91	3.0	3.0	3.0	3.0	3.0	73	115	151	127	127
4	97	73	3.0	3.0	3.0	3.0	3.0	73	109	169	115	103
5	97	73	3.0	3.0	3.0	3.0	3.0	109	85	181	115	157
6	139	73	3.0	3.0	3.0	3.0	3.0	97	133	157	115	175
7	115	73	3.0	3.0	3.0	3.0	3.0	109	139	133	145	175
8	91	73	3.0	3.0	3.0	3.0	3.0	103	145	145	139	139
9	103	73	3.0	3.0	3.0	3.0	3.0	103	145	127	145	127
10	127	73	3.0	3.0	3.0	3.0	3.0	121	133	133	127	133
11	103	73	3.0	3.0	3.0	3.0	3.0	121	109	145	115	97
12	103	85	3.0	3.0	3.0	3.0	3.0	97	133	151	121	139
13	121	73	3.0	3.0	3.0	3.0	3.0	127	127	151	139	133
14	121	73	3.0	3.0	3.0	3.0	3.0	97	127	121	127	127
15	91	85	3.0	3.0	3.0	3.0	3.0	103	115	121	151	115
16	103	73	3.0	3.0	3.0	3.0	3.0	103	139	121	157	103
17	103	73	3.0	3.0	3.0	3.0	3.0	145	115	175	121	109
18	97	73	3.0	3.0	3.0	3.0	3.0	97	127	157	127	91
19	127	79	3.0	3.0	3.0	3.0	3.0	115	133	175	133	97
20	133	79	3.0	3.0	3.0	3.0	73	109	115	187	121	139
21	97	73	3.0	3.0	3.0	3.0	79	109	121	133	145	127
22	103	73	3.0	3.0	3.0	3.0	85	145	127	115	133	133
23	97	73	3.0	3.0	3.0	3.0	79	115	115	127	139	91
24	109	73	3.0	3.0	3.0	3.0	79	157	109	115	115	133
25	103	91	3.0	3.0	3.0	3.0	79	139	115	127	109	121
26	85	3.0	3.0	3.0	3.0	3.0	73	115	133	145	127	133
27	115	3.0	3.0	3.0	3.0	3.0	73	115	139	151	151	121
28	73	3.0	3.0	3.0	3.0	3.0	97	109	151	139	133	127
29	109	3.0	3.0	3.0	---	3.0	73	127	139	109	145	121
30	115	3.0	3.0	3.0	---	3.0	73	121	145	133	163	109
31	97	---	3.0	3.0	---	3.0	---	97	---	145	127	---
TOTAL	3,295	1,924.0	93.0	93.0	84.0	93.0	920.0	3,409	3,726	4,429	4,063	3,774
MEAN	106	64.1	3.00	3.00	3.00	3.00	30.7	110	124	143	131	126
MAX	139	91	3.0	3.0	3.0	3.0	97	157	151	187	163	175
MIN	73	3.0	3.0	3.0	3.0	3.0	3.0	73	85	109	97	91

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.

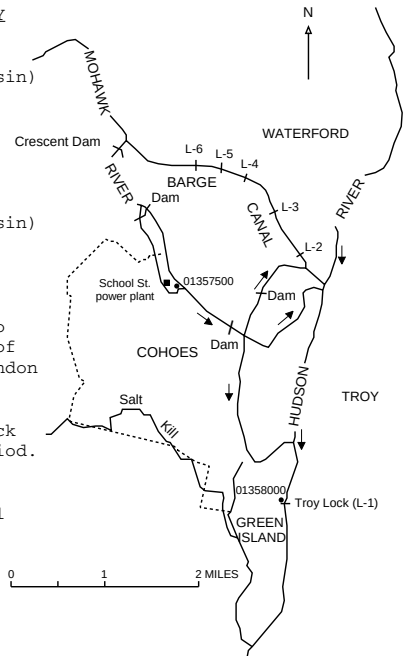
DIVERSIONS
(see Reservoirs in Hudson River Basin)

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.

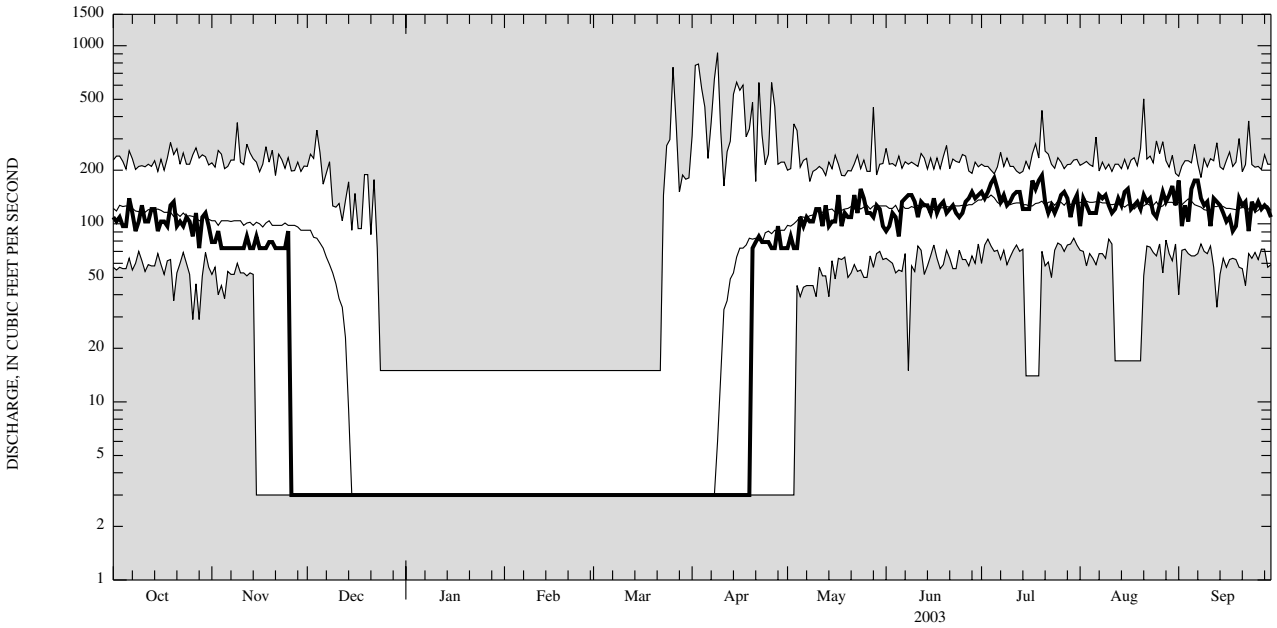
01357500 MOHAWK RIVER AT COHOES, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND--CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

Statistics and hydrograph for Diversion (01357499)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2003, BY WATER YEAR (WY)												
MEAN	120	108	32.3	3.38	3.38	6.98	66.3	119	127	134	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1926 - 2003	
ANNUAL TOTAL	26,635.0		25,903.0			
ANNUAL MEAN	73.0		71.0		81.8	
HIGHEST ANNUAL MEAN					122	1937
LOWEST ANNUAL MEAN					57.8	1963
HIGHEST DAILY MEAN	199	Jul 21	187	Jul 20	913	Apr 9, 1967
LOWEST DAILY MEAN	3.0	Jan 1	3.0	Nov 26	3.0	Dec 18, 1934
ANNUAL SEVEN-DAY MINIMUM	3.0	Jan 1	3.0	Nov 26	3.0	Dec 18, 1934
10 PERCENT EXCEEDS	145		139		156	
50 PERCENT EXCEEDS	79		85		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

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), 2002-03 (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), 2002-03 (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), 1997-2003 (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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT													
08...	0915	2,090	50	774	8.5	88	7.7	340	16.0	17.0	109	26.2	30.3
DEC													
04...	1010	1,010	50	779	14.2	97	7.8	315	3.0	0.0	111	26.5	19.9
JAN													
07...	1320	7,250	50	762	14.7	98	7.8	355	-3.0	0.0	138	43.2	18.9
FEB													
04...	1045	3,500	50	744	13.7	95	7.4	364	4.0	0.0	106	35.5	24.1
APR													
01...	1120	21,000	10	764	14.4	109	7.3	190	-3.5	3.5	59	16.7	10.5
01...*	1121	21,000	10	--	--	--	--	--	--	--	--	17.2	10.6
MAY													
07...	0920	7,470	10	758	9.9	95	7.6	227	20.5	13.0	67	21.4	12.7
JUN													
11...	1000	3,120	50	757	8.8	95	7.6	273	18.0	18.5	89	22.7	13.4
11...*	1001	3,120	50	--	--	--	--	--	--	--	--	--	--
JUL													
02...	0900	1,850	50	760	8.9	107	8.0	280	22.0	24.5	113	22.6	14.1
AUG													
04...	1040	6,660	10	758	7.1	86	7.7	349	30.0	24.5	103	30.0	20.4

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor ESA, water, fltrd 0.7u GF ug/L (61029)	Aceto-chlor OA, water, fltrd 0.7u GF ug/L (61030)	Aceto-chlor SAA, water, fltrd, ug/L (62847)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor ESA, water, fltrd 0.7u GF ug/L (50009)
OCT													
08...	0.44	0.10	0.70	0.039	0.04	0.064	<0.006	E.009	<0.05	<0.05	<0.05	<0.006	<0.05
DEC													
04...	0.29	0.05	0.87	0.013	0.02	0.040	<0.006	E.003	<0.05	<0.05	<0.05	<0.006	<0.05
JAN													
07...	0.26	E.04	0.81	0.010	E.01	0.031	--	--	--	--	--	--	--
FEB													
04...	0.33	0.14	0.93	0.028	0.02	0.040	<0.006	E.008	<0.05	<0.05	<0.05	<0.006	<0.05
APR													
01...	0.30	0.05	0.67	E.005	E.01	0.057	<0.006	E.005	<0.05	<0.05	<0.05	<0.006	<0.05
01...*	0.31	0.05	0.66	E.004	E.01	0.057	--	--	--	--	--	--	--
MAY													
07...	0.35	0.04	0.48	0.008	<0.02	0.047	<0.006	E.004	<0.05	<0.05	<0.05	<0.006	<0.05
JUN													
11...	0.57	0.06	0.54	0.022	E.02	0.050	<0.006	<0.006	<0.05	<0.05	<0.05	<0.006	<0.05
11...*	--	--	--	--	--	--	<0.006	E.012	<0.05	<0.05	<0.05	<0.006	<0.05
JUL													
02...	0.30	E.03	0.48	0.015	E.01	0.034	<0.006	E.017	<0.05	<0.05	<0.05	<0.006	<0.05
AUG													
04...	0.42	0.05	0.71	0.013	0.03	0.067	<0.006	E.015	<0.05	<0.05	<0.05	<0.006	<0.05

Date	Ala-chlor OA, water, fltrd 0.7u GF ug/L (61031)	Ala-chlor SAA, water, fltrd, ug/L (62848)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
OCT													
08...	<0.05	<0.05	<0.004	<0.005	96.1	0.015	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
DEC													
04...	<0.05	<0.05	<0.004	<0.005	116	0.008	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
JAN													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
04...	<0.05	<0.05	<0.004	<0.005	91.6	0.008	<0.050	<0.010	<0.002	E.018	<0.020	<0.005	<0.006
APR													
01...	<0.05	<0.05	<0.004	<0.005	97.2	E.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
01...*	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
07...	<0.05	<0.05	<0.004	<0.005	E161	0.009	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
JUN													
11...	<0.05	<0.05	<0.004	<0.005	88.4	0.119	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
11...*	<0.05	<0.05	<0.004	<0.005	92.7	0.104	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
JUL													
02...	<0.05	<0.05	<0.004	<0.005	98.1	0.186	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
AUG													
04...	<0.05	<0.05	<0.004	<0.005	102	0.058	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Dimethenamid ESA, water, fltrd, ug/L (61951)	Dimethenamid OA, water, fltrd, ug/L (62482)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)
OCT													
08...	<0.018	<0.003	<0.004	<0.005	122	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
DEC													
04...	<0.018	<0.003	<0.004	<0.005	134	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
JAN													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
04...	<0.018	<0.003	<0.004	<0.005	116	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
APR													
01...	<0.018	<0.003	<0.004	<0.005	96.3	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
01...*	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
07...	<0.018	<0.003	<0.004	<0.005	E172	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
JUN													
11...	<0.018	<0.003	<0.004	<0.005	117	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
11...*	<0.018	<0.003	<0.004	<0.005	122	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
JUL													
02...	<0.018	<0.003	<0.004	<0.005	110	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009
AUG													
04...	<0.018	<0.003	<0.004	<0.005	103	<0.005	<0.05	<0.05	<0.02	<0.002	<0.009	<0.005	<0.009

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flufenacet ESA, water, fltrd, ug/L (61952)	Flufenacet OA, water, fltrd, ug/L (62483)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor ESA, water, fltrd 0.7u GF ug/L (61043)	Metolachlor OA, water, fltrd 0.7u GF ug/L (61044)	Metolachlor, water, fltrd, ug/L (39415)
OCT													
08...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.13	0.06	0.013
DEC													
04...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.23	<0.05	E.008
JAN													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
04...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.12	<0.05	E.009
APR													
01...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.06	<0.05	E.005
01...*	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
07...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.06	<0.05	E.006
JUN													
11...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.09	<0.05	0.071
11...*	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.09	<0.05	0.061
JUL													
02...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.006	0.15	0.05	0.068
AUG													
04...	<0.005	<0.005	<0.007	<0.05	<0.05	<0.003	<0.004	<0.035	<0.027	<0.020	0.18	0.08	0.031

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor ESA, water, fltrd 0.7u GF ug/L (62766)	Propachlor OA, water, fltrd 0.7u GF ug/L (62767)	Propachlor, water, fltrd, ug/L (04024)
OCT													
08...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	M	<0.004	<0.05	<0.05	<0.010
DEC													
04...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
JAN													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
04...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
APR													
01...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
01...*	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
07...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
JUN													
11...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
11...*	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
JUL													
02...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010
AUG													
04...	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.05	<0.05	<0.010

Date	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspended sediment concentration mg/L (80154)
OCT										
08...	<0.011	<0.02	E.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	3
DEC										
04...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	7
JAN										
07...	--	--	--	--	--	--	--	--	--	4
FEB										
04...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	2
APR										
01...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	26
01...*	--	--	--	--	--	--	--	--	--	25
MAY										
07...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	14
JUN										
11...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	7
11...*	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--
JUL										
02...	<0.011	<0.02	0.012	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	2
AUG										
04...	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	7

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Suspended sediment concentration mg/L (80154)
OCT				
02...	0830	622	50	2
09...	0830	1,600	50	3
16...	0830	2,080	50	4
23...	0830	3,340	50	4
30...	0830	5,600	50	4
NOV				
06...	0825	6,100	50	4
13...	0825	8,340	50	5
20...	0825	11,300	50	9
27...	0825	11,100	50	8
DEC				
11...	0855	3,150	50	2
18...	0855	6,630	50	6
25...	0855	6,780	50	9
JAN				
01...	0855	6,310	50	2
08...	0855	7,250	50	4
15...	0855	4,760	50	2
22...	0855	4,100	50	2
29...	0855	2,930	50	2
FEB				
05...	0855	3,300	50	1
12...	0855	4,060	50	2
19...	0855	2,930	50	2
26...	0855	8,090	50	3

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Suspended sediment concentration mg/L (80154)
MAR				
05...	0855	4,910	50	2
12...	0855	4,680	50	2
15...	1930	4,270	50	1
16...	0325	4,340	50	2
16...	1125	4,610	50	3
16...	1925	4,680	50	5
17...	0325	5,490	50	8
17...	1125	5,880	50	6
17...	1925	7,730	50	16
18...	0325	8,470	50	8
18...	1125	11,200	50	14
18...	1501	18,400	50	65
18...	1925	21,800	50	36
19...	0013	24,100	50	42
19...	0810	27,000	50	85
19...	1357	31,600	50	108
19...	1449	32,400	50	117
19...	1540	31,100	50	115
19...	2340	31,700	50	122
20...	0740	29,600	50	133
20...	1540	28,400	50	99
20...	2031	27,200	50	112
21...	0025	27,200	50	94
21...	0425	27,700	50	89
21...	0825	30,500	50	95
21...	1225	33,100	50	106
21...	1625	38,300	50	216
21...	2025	41,900	50	202
22...	0025	46,700	50	235
22...	0425	56,400	50	424
22...	0825	55,800	50	467
22...	1225	59,600	50	575
22...	1625	58,100	50	396
22...	2025	58,700	50	329
23...	0025	62,900	50	331
23...	0425	61,500	50	396
23...	0825	65,400	50	385
23...	1026	61,600	50	378
23...	1036	61,800	50	370
23...	1037	61,800	30	364
MAR				
23...	1040	61,800	30	368
23...	1043	61,800	30	370
23...	1046	61,800	30	374
23...	1049	61,800	30	380
23...	1052	61,800	30	382
23...	1054	61,800	50	372
23...	1055	61,800	30	387
23...	1058	61,800	30	397
23...	1100	61,800	10	387
23...	1101	61,800	30	421
23...	1104	61,800	30	398
23...	1107	61,800	30	400
23...	1110	61,800	30	398
23...	1113	61,800	30	396
23...	1116	61,800	30	386
23...	1117	61,100	50	355
23...	1510	58,400	50	305
23...	1910	57,200	50	243
23...	2310	53,000	50	204
24...	0310	50,800	50	186
24...	0710	49,300	50	159
24...	1110	46,700	50	127
24...	1910	39,000	50	82
25...	0310	39,000	50	70
25...	1110	39,600	50	71
25...	1910	35,700	50	60
26...	0310	39,100	50	56
26...	1110	43,400	50	81
26...	1228	43,700	50	83
26...	1243	43,500	50	81
26...	2040	38,800	50	99
27...	0440	37,300	50	96
27...	1240	33,500	50	86
28...	0040	29,900	50	48
28...	1240	28,300	50	42
29...	0040	24,700	50	30
29...	1240	25,200	50	29
30...	0040	--	50	30
30...	1240	34,500	50	44
31...	0040	33,400	50	53

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Suspended sediment concentration mg/L (80154)
MAR				
31...	1240	28,100	50	59
APR				
01...	0040	23,000	50	36
01...	0558	21,800	50	29
01...	1046	21,000	50	26
01...	1112	21,000	50	25
01...	1145	20,900	50	26
01...	2340	18,200	50	20
02...	1140	16,300	50	15
02...	2340	15,500	50	11
03...	1140	17,400	50	11
03...	2340	18,200	50	11
04...	1140	19,500	50	14
04...	1843	24,000	50	16
05...	0640	22,600	50	25
05...	0858	21,800	50	25
07...	0851	17,100	50	20
07...	2040	16,700	50	16
08...	0840	15,200	50	13
08...	2040	14,400	50	11
09...	0840	13,000	50	11
09...	2040	11,800	50	9
10...	0840	11,300	50	8
10...	2040	11,600	50	9
11...	0840	8,870	50	8
11...	2040	18,300	50	10
12...	0840	20,000	50	14
12...	2040	23,000	50	18
12...	2258	24,200	50	21
13...	1055	26,800	50	42
13...	2243	21,900	50	40
14...	0901	19,100	50	52
14...	2055	17,100	50	27
15...	0855	16,000	50	18
15...	2055	14,100	50	13
16...	0855	13,300	50	10
16...	2055	12,900	50	18
17...	0855	14,200	50	18
17...	2055	9,700	50	12
APR				
18...	0855	14,300	50	14
18...	2055	13,100	50	12
19...	0855	11,800	50	10
19...	2055	11,000	50	8
20...	0855	11,100	50	8
20...	2055	10,500	50	7
21...	0855	10,000	50	8
28...	1140	12,600	50	20
MAY				
05...	1140	5,790	50	18
07...	0912	7,470	50	11
14...	0910	16,400	50	17
21...	0910	2,730	50	5
28...	0910	8,290	50	11
JUN				
01...	1413	23,800	50	51
02...	0210	29,700	50	62
02...	1328	21,600	50	55
09...	1325	4,880	50	11
16...	1325	5,440	50	21
23...	1325	12,600	50	17
30...	1325	2,830	50	5
JUL				
07...	1325	1,160	50	2
14...	1325	2,250	50	2
21...	1325	1,890	50	0.6
23...	1218	4,910	50	5
28...	1325	3,330	50	3
AUG				
04...	1325	6,720	50	8
11...	1325	7,860	50	11
18...	1325	7,060	50	8
25...	1325	1,380	50	3
SEP				
01...	1325	639	50	2
08...	1326	5,410	50	5
15...	1326	1,020	50	3
22...	1325	2,220	50	4
29...	1325	17,300	50	21

* Replicate
E Estimated
M Presence verified, not quantified

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, about 91,600 ft^3/s, Mar. 23, gage height, 22.08 ft; minimum discharge not determined; minimum gage height, 15.17 ft, Oct. 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7,100	e7,700	e16,600	e12,700	e8,300	e10,400	43,100	21,000	e29,100	e5,200	e7,700	e5,200
2	e5,000	e8,500	e15,800	e16,800	e8,100	e10,000	34,800	24,800	e35,800	e5,000	e13,900	e6,800
3	e5,100	e8,200	e16,100	e17,600	e8,100	e10,900	35,300	35,100	e25,700	e5,000	e12,200	e8,300
4	e4,400	e9,300	e11,400	e16,000	e8,100	e11,400	37,800	31,400	e21,800	e4,900	e11,000	e9,200
5	e4,600	e11,500	e11,900	e14,700	e9,300	e10,600	36,200	22,900	e17,700	e4,900	e15,400	e15,200
6	e4,600	e11,800	e12,300	e14,200	e13,700	e11,600	31,800	22,400	e17,600	e4,900	e20,200	e9,700
7	e4,800	e13,000	e11,900	e15,000	e13,700	e10,600	29,600	21,300	e16,900	e4,900	e16,200	e6,800
8	e4,900	e14,400	e12,000	e15,000	e13,400	e10,000	26,400	19,500	e15,400	e4,800	e12,300	e7,900
9	e4,600	e13,800	e11,100	e13,900	e11,400	e11,100	22,400	17,900	e14,600	e4,800	e9,290	e6,100
10	e4,000	e11,200	e10,500	e14,700	e11,200	e10,400	20,700	16,300	e12,600	e5,000	e12,000	e6,400
11	e4,400	e14,500	e10,000	e14,800	e10,500	e10,000	25,700	16,300	e12,800	e5,900	e18,000	e5,000
12	e4,900	e13,600	e11,200	e14,500	e10,000	e9,000	30,700	22,900	e13,900	e6,900	e18,600	e5,800
13	e6,800	e17,200	e10,500	e14,700	e9,000	e9,200	36,700	34,700	e13,200	e6,500	e25,300	e5,800
14	e5,800	e19,500	e13,000	e12,700	e8,300	e9,500	30,400	36,400	e13,800	e6,400	e19,200	e5,500
15	e6,400	e16,600	e18,600	e11,300	e8,000	e8,500	27,200	33,000	e16,700	e4,900	e16,700	e5,600
16	e6,900	e14,700	e21,000	e11,400	e7,800	e8,800	28,100	29,400	e15,600	e5,300	e12,800	e5,700
17	e18,600	e15,900	e18,400	e10,400	e7,600	e11,700	32,700	22,400	e13,000	e6,300	e15,900	e7,700
18	e17,800	e23,100	e13,300	e9,900	e7,600	26,000	30,200	19,500	e11,200	e6,100	e14,200	e7,800
19	e11,300	e23,900	e12,300	e9,400	e8,000	40,800	26,700	17,100	e11,700	e5,900	e12,400	e5,300
20	e12,400	e24,400	e13,800	e9,900	e8,200	40,600	23,900	16,200	e10,300	e4,900	e8,000	e5,600
21	e12,700	e24,200	e21,600	e9,400	e8,000	49,600	22,300	e13,500	e8,700	e5,200	e9,600	e6,000
22	e9,800	e22,500	e22,800	e8,900	e7,600	79,400	22,900	e12,900	e16,900	e10,700	e6,000	e6,200
23	e7,800	e39,300	e19,800	e8,300	e8,400	86,900	24,700	e12,300	e15,800	e10,500	e7,400	e8,800
24	e8,900	e39,700	e17,400	e8,700	e10,600	67,900	26,400	e12,600	e12,900	e13,500	e6,500	e16,700
25	e8,300	e30,700	e15,300	e8,600	e14,100	58,800	23,300	e15,100	e7,900	e12,100	e6,300	e11,000
26	e13,100	e26,400	e12,300	e8,400	e14,200	63,300	20,400	e16,700	e6,900	e8,700	e5,000	e10,000
27	e20,500	e23,400	e11,600	e8,600	e12,300	59,200	31,100	e19,400	e7,200	e8,600	e6,000	e8,100
28	e15,300	e21,300	e13,400	e8,400	e10,700	49,700	26,400	e18,700	e6,800	e6,800	e5,900	e13,500
29	e12,600	e18,300	e13,000	e7,900	---	45,700	24,600	e21,700	e6,500	e6,200	e5,900	e27,100
30	e10,200	e17,600	e12,900	e8,200	---	61,800	20,400	e20,400	e5,800	e6,000	e5,700	e17,900
31	e8,400	---	e12,500	e8,200	---	56,500	---	e18,100	---	e5,800	e5,000	---
TOTAL	272,000	556,200	444,300	363,200	276,200	959,900	852,900	661,900	434,800	202,600	360,590	266,700
MEAN	8,774	18,540	14,330	11,720	9,864	30,960	28,430	21,350	14,490	6,535	11,630	8,890
MAX	20,500	39,700	22,800	17,600	14,200	86,900	43,100	36,400	35,800	13,500	25,300	27,100
MIN	4,000	7,700	10,000	7,900	7,600	8,500	20,400	12,300	5,800	4,800	5,000	5,000

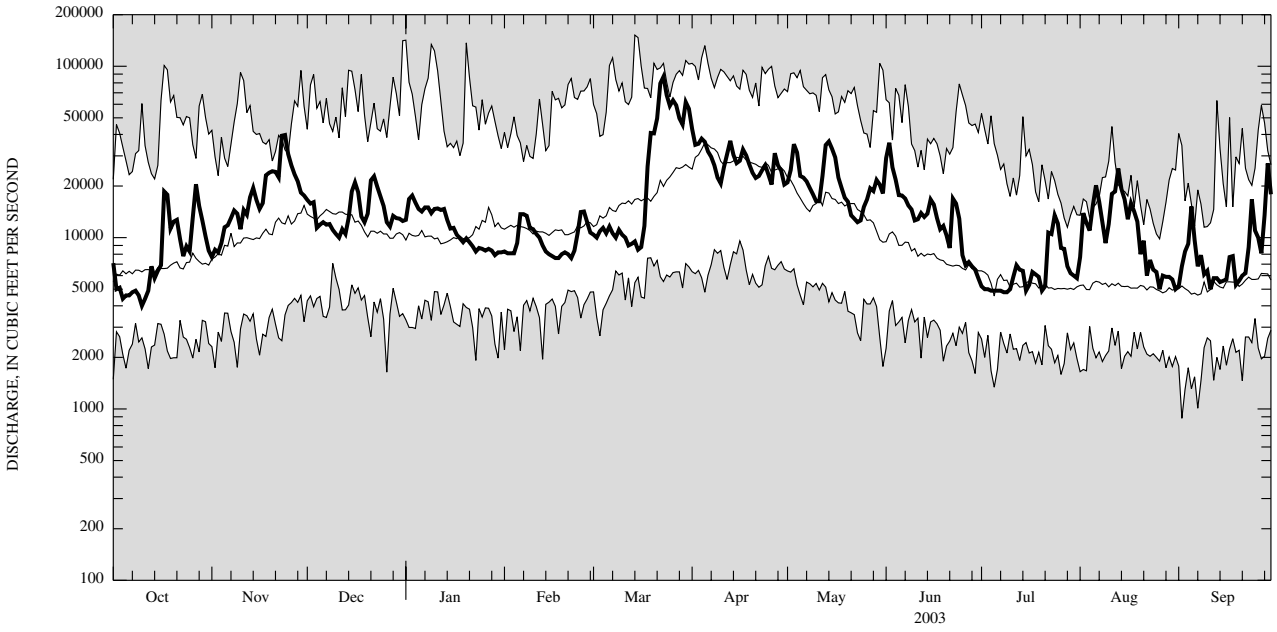
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2003, BY WATER YEAR (WY)

MEAN	8,929	13,050	14,970	13,310	14,010	22,080	30,970	19,070	10,370	6,708	5,856	6,435
MAX	30,140	26,150	34,940	33,970	31,260	44,240	61,820	40,520	29,630	18,380	14,630	17,030
(WY)	(1978)	(1973)	(1997)	(1949)	(1976)	(1979)	(1993)	(1972)	(1972)	(1972)	(1976)	(1975)
MIN	2,967	3,270	6,096	4,187	4,527	9,123	9,073	5,505	3,573	3,082	2,912	2,875
(WY)	(1965)	(1965)	(1965)	(1961)	(1980)	(1965)	(1995)	(1987)	(1965)	(1965)	(1965)	(1964)

01358000 HUDSON RIVER AT GREEN ISLAND, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1946 - 2003	
ANNUAL TOTAL	4,865,380		5,651,290			
ANNUAL MEAN	13,330		15,480		13,810	
HIGHEST ANNUAL MEAN					22,100	1976
LOWEST ANNUAL MEAN					6,386	1965
HIGHEST DAILY MEAN	58,200	May 14	86,900	Mar 23	152,000	Mar 14, 1977
LOWEST DAILY MEAN	2,500	Sep 11	4,000	Oct 10	882	Sep 2, 1968
ANNUAL SEVEN-DAY MINIMUM	3,220	Sep 8	4,560	Oct 4	2,110	Aug 23, 1995
10 PERCENT EXCEEDS	24,200		29,200		28,800	
50 PERCENT EXCEEDS	12,300		12,300		9,480	
90 PERCENT EXCEEDS	3,990		5,800		4,280	

e Estimated



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.

01359133 PATROON CREEK AT NORTHERN BOULEVARD AT ALBANY, NY

LOCATION.--Lat 42°40'17", long 73°45'22", Albany County, Hydrologic Unit 02020006, atop culvert 500 ft upstream from Northern Boulevard, 700 ft downstream from railroad bridge, 1,600 ft downstream from Tivoli Lake, and 1.3 mi upstream from mouth, at Albany.

DRAINAGE AREA.--13.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1979-83 (annual maximum only), October 2002 to September 2003.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 124 ft above NGVD of 1929, from topographic map. Prior to 2002, crest-stage gage 480 ft upstream at datum 1.10 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, 620 ft^3/s, Sept. 21, 1983, gage height, 11.19 ft, site and datum then in use, on basis of flow-through-culvert analysis of peak flow; minimum discharge, 7.6 ft^3/s, Nov. 3, 2002, gage height, 0.89 ft.

EXTREMES FOR CURRENT PERIOD (October 19 to September).--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)
Jun 21	1815	223	3.06	Aug 1	0645	a247	3.21
Jul 11	0545	a278	3.40	Aug 26	1730	234	3.13
Jul 21	2000	a*400	*4.10	Sep 23	1030	a263	3.31

a From rating curve extended above 120 ft^3/s on basis of flow-through-culvert analysis of peak flow.

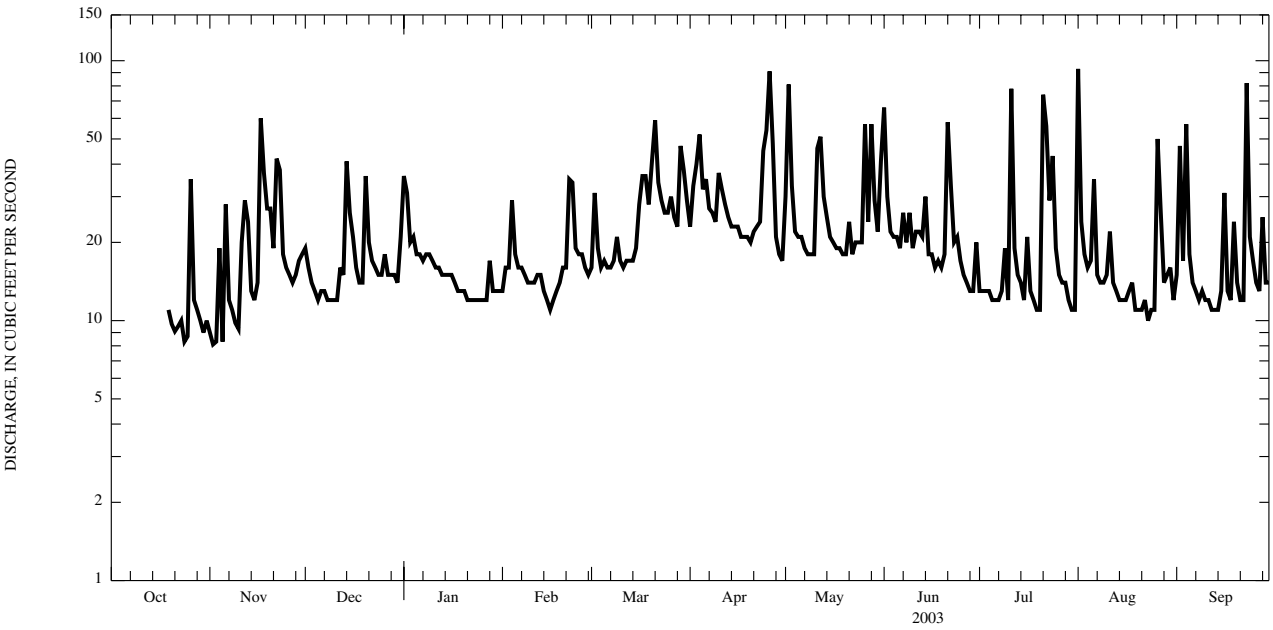
Minimum discharge, 7.6 ft^3/s, Nov. 3, gage height, 0.89 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	9.0	e19	36	13	16	23	30	66	13	93	15
2	---	8.1	e16	31	16	31	33	81	30	13	24	47
3	---	8.3	e14	20	16	19	40	33	22	13	18	17
4	---	19	e13	21	29	16	52	22	21	13	16	57
5	---	8.3	12	18	18	17	32	21	21	12	17	18
6	---	28	13	18	16	16	35	21	19	12	35	14
7	---	12	13	17	16	16	27	19	26	12	15	13
8	---	11	12	18	15	17	26	18	20	13	14	12
9	---	9.8	12	18	14	21	24	18	26	19	14	13
10	---	9.3	12	17	14	17	37	18	19	12	15	12
11	---	20	12	16	14	16	32	46	22	78	22	12
12	---	29	16	16	15	17	28	51	22	19	14	11
13	---	24	15	15	15	17	25	30	21	15	13	11
14	---	13	41	15	13	17	23	25	30	14	12	11
15	---	12	26	15	e12	19	23	21	18	12	12	13
16	---	14	21	15	e11	28	23	20	18	21	12	31
17	---	60	16	e14	e12	36	21	19	16	13	13	13
18	---	37	14	e13	e13	36	21	19	17	12	14	12
19	11	27	14	e13	14	28	21	18	16	11	11	24
20	9.7	27	36	e13	16	41	20	18	18	11	11	14
21	9.1	19	20	e12	16	59	22	24	58	74	11	12
22	9.5	42	17	e12	35	34	23	18	33	56	12	12
23	10	38	16	e12	34	29	24	20	20	29	10	82
24	8.3	18	15	e12	19	26	45	20	21	43	11	21
25	8.7	16	15	e12	18	26	54	20	17	19	11	17
26	35	15	18	e12	18	30	91	57	15	15	50	14
27	12	e14	15	e12	16	25	48	24	14	14	26	13
28	11	e15	15	17	15	23	21	57	13	14	14	25
29	10	e17	15	13	---	47	18	29	13	12	15	14
30	9.0	e18	14	13	---	38	17	22	20	11	16	14
31	10	---	21	13	---	29	---	41	---	11	12	---
TOTAL	---	597.8	528	499	473	807	929	880	692	636	583	594
MEAN	---	19.9	17.0	16.1	16.9	26.0	31.0	28.4	23.1	20.5	18.8	19.8
MAX	---	60	41	36	35	59	91	81	66	78	93	82
MIN	---	8.1	12	12	11	16	17	18	13	11	10	11
CFSM	---	1.52	1.30	1.23	1.29	1.99	2.36	2.17	1.76	1.57	1.44	1.51
IN.	---	1.70	1.50	1.42	1.34	2.29	2.64	2.50	1.97	1.81	1.66	1.69

e Estimated

01359133 PATROON CREEK AT NORTHERN BOULEVARD AT ALBANY, NY—Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01359133 PATROON CREEK AT NORTHERN BOULEVARD AT ALBANY, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 2002 to September 2003.
WATER TEMPERATURE: December 2002 to September 2003.

INSTRUMENTATION.--Water-quality monitor provides 15-minute-interval readings.

REMARKS.--Satellite temperature and specific conductance telemeter at station. Interruptions of record were due to malfunction of recording instrument.

EXTREMES FOR CURRENT PERIOD (December to September).--
SPECIFIC CONDUCTANCE: Maximum, 4,540 µS/cm, Feb. 7; minimum recorded, 233 µS/cm, July 21, but may have been less during period of instrument malfunction.
WATER TEMPERATURE: Maximum, 24.5°C, July 24; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	2,250	1,320	1,770
2	---	---	---	---	---	---	---	---	---	2,520	1,520	1,880
3	---	---	---	---	---	---	---	---	---	2,020	1,480	1,580
4	---	---	---	---	---	---	---	---	---	1,520	1,460	1,480
5	---	---	---	---	---	---	1,390	1,270	1,290	2,240	1,490	1,760
6	---	---	---	---	---	---	2,940	1,310	1,890	2,650	1,850	2,200
7	---	---	---	---	---	---	2,270	1,670	1,910	2,470	2,020	2,210
8	---	---	---	---	---	---	1,680	1,480	1,550	3,420	1,950	2,550
9	---	---	---	---	---	---	1,510	1,310	1,380	3,500	2,560	3,040
10	---	---	---	---	---	---	1,340	1,300	1,320	2,560	1,870	2,170
11	---	---	---	---	---	---	1,400	1,280	1,310	1,890	1,690	1,760
12	---	---	---	---	---	---	2,680	1,270	2,010	1,740	1,580	1,640
13	---	---	---	---	---	---	3,260	1,900	2,260	1,580	1,470	1,520
14	---	---	---	---	---	---	3,160	1,310	1,870	1,500	1,420	1,450
15	---	---	---	---	---	---	1,340	1,200	1,260	1,430	1,360	1,390
16	---	---	---	---	---	---	3,770	1,210	2,380	1,380	1,350	1,360
17	---	---	---	---	---	---	2,950	1,760	1,980	1,360	1,330	1,340
18	---	---	---	---	---	---	1,780	1,550	1,640	1,360	1,310	1,330
19	---	---	---	---	---	---	1,550	1,460	1,500	1,340	1,310	1,320
20	---	---	---	---	---	---	2,160	1,470	1,720	1,310	1,310	1,310
21	---	---	---	---	---	---	1,820	1,350	1,510	1,330	1,300	1,310
22	---	---	---	---	---	---	1,360	1,310	1,320	---	---	---
23	---	---	---	---	---	---	1,390	1,280	1,300	---	---	---
24	---	---	---	---	---	---	1,410	1,290	1,350	---	---	---
25	---	---	---	---	---	---	1,350	1,250	1,280	1,340	1,280	1,310
26	---	---	---	---	---	---	1,570	1,220	1,320	1,380	1,300	1,330
27	---	---	---	---	---	---	2,040	1,400	1,620	1,520	1,330	1,380
28	---	---	---	---	---	---	1,760	1,530	1,610	1,420	1,340	1,370
29	---	---	---	---	---	---	1,600	1,460	1,520	1,580	1,340	1,410
30	---	---	---	---	---	---	1,750	1,360	1,430	1,810	1,330	1,480
31	---	---	---	---	---	---	3,360	1,750	2,360	1,610	1,180	1,440
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

01359133 PATROON CREEK AT NORTHERN BOULEVARD AT ALBANY, NY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1,690	1,350	1,440	1,410	1,380	1,390	1,400	1,180	1,250	1,360	783	1,250
2	2,290	1,520	1,960	1,680	1,170	1,360	1,400	947	1,250	1,020	424	795
3	2,280	1,520	1,840	1,430	1,170	1,370	1,700	941	1,150	1,110	731	956
4	2,370	1,770	2,050	1,380	1,350	1,360	3,380	1,700	2,350	1,170	1,110	1,150
5	1,910	1,410	1,600	1,510	1,360	1,390	3,360	1,620	2,260	1,210	1,060	1,180
6	1,410	1,350	1,370	1,690	1,350	1,420	2,700	1,590	2,000	1,210	1,130	1,180
7	4,540	1,360	2,670	3,690	1,460	2,400	1,590	1,220	1,380	1,200	1,110	1,160
8	4,420	1,800	2,380	2,930	1,640	1,950	2,230	1,230	1,790	1,200	1,090	1,140
9	1,800	1,560	1,660	1,850	1,410	1,550	1,520	1,260	1,370	1,200	1,120	1,160
10	1,560	1,470	1,510	1,470	1,400	1,440	1,260	1,010	1,210	1,140	1,010	1,080
11	1,640	1,410	1,550	1,420	1,380	1,400	1,330	1,250	1,280	1,150	537	982
12	1,550	1,350	1,450	1,430	1,370	1,390	1,270	1,250	1,260	926	663	840
13	1,480	1,230	1,380	1,810	1,360	1,470	1,290	1,260	1,270	1,130	926	1,010
14	1,460	1,370	1,410	3,590	1,570	2,410	1,480	1,270	1,310	1,120	992	1,070
15	1,370	1,340	1,360	2,780	1,730	1,980	1,490	1,330	1,390	1,160	1,120	1,140
16	1,380	1,340	1,360	1,730	1,260	1,500	1,330	1,280	1,300	1,210	1,160	1,190
17	1,350	1,330	1,340	1,450	1,110	1,310	1,320	1,270	1,280	1,210	1,200	1,210
18	1,910	1,320	1,560	1,360	1,070	1,230	1,390	1,320	1,360	1,220	1,210	1,220
19	2,920	1,550	2,080	1,330	1,170	1,250	1,390	1,320	1,360	1,250	1,220	1,230
20	3,060	2,180	2,670	2,400	1,200	1,470	1,320	1,300	1,310	1,260	1,230	1,240
21	3,060	1,940	2,230	1,330	1,090	1,220	1,820	1,310	1,420	1,260	898	1,130
22	2,620	1,710	2,030	1,260	1,140	1,210	1,640	1,290	1,370	1,170	1,130	1,140
23	2,080	1,500	1,660	1,250	1,190	1,230	1,300	1,240	1,280	1,390	1,140	1,180
24	1,530	1,360	1,430	1,270	1,230	1,240	1,240	608	873	1,350	1,100	1,180
25	1,410	1,160	1,320	1,330	1,240	1,280	635	612	625	1,130	1,080	1,110
26	1,360	1,150	1,220	1,340	1,210	1,290	764	578	655	1,130	566	834
27	1,400	1,260	1,310	1,240	1,090	1,210	779	635	671	1,040	838	975
28	1,410	1,370	1,380	1,340	1,070	1,210	1,400	779	1,230	1,040	409	783
29	---	---	---	1,360	634	1,190	1,350	1,260	1,290	1,010	776	924
30	---	---	---	1,160	930	1,060	1,290	1,260	1,280	1,020	957	1,000
31	---	---	---	1,580	1,160	1,260	---	---	---	1,030	314	848
MONTH	4,540	1,150	1,690	3,690	634	1,430	3,380	578	1,330	1,390	314	1,070
		JUNE			JULY			AUGUST			SEPTEMBER	
1	807	283	664	1,210	1,160	1,170	1,200	246	682	1,120	540	1,070
2	995	807	931	1,220	1,170	1,180	948	670	879	914	354	700
3	1,040	988	1,020	1,210	1,200	1,200	1,000	869	973	954	812	895
4	1,040	919	987	1,210	1,200	1,210	1,040	939	1,000	886	---	---
5	1,100	896	1,000	1,230	1,200	1,210	1,080	841	1,030	---	---	---
6	1,140	1,090	1,120	1,240	1,230	1,230	945	483	747	---	---	---
7	1,160	821	1,040	1,250	1,220	1,230	912	771	860	---	---	---
8	1,120	1,050	1,110	1,260	937	1,220	930	910	919	---	---	---
9	1,460	1,120	1,170	1,370	985	1,250	974	894	951	---	---	---
10	1,180	1,130	1,150	1,340	1,200	1,260	989	906	967	---	---	---
11	1,180	909	1,100	1,200	373	759	970	636	842	---	---	---
12	1,140	925	1,060	1,040	924	994	944	846	914	---	---	---
13	1,130	665	1,090	1,070	984	1,040	962	894	945	---	---	---
14	1,120	676	973	1,170	1,070	1,100	946	906	936	---	---	---
15	1,120	1,090	1,110	1,200	1,150	1,190	949	919	937	---	---	---
16	1,310	1,100	1,170	1,210	560	1,060	947	920	936	---	---	---
17	1,250	1,180	1,210	1,080	1,000	1,060	940	890	926	---	---	---
18	1,250	1,210	1,230	1,150	1,080	1,110	961	868	902	---	---	---
19	1,240	1,220	1,230	1,180	1,150	1,170	936	868	895	---	---	---
20	1,300	1,140	1,220	1,210	1,180	1,190	911	902	906	---	---	---
21	1,280	425	982	1,220	233	960	908	896	899	---	---	---
22	991	614	834	804	381	590	904	759	855	---	---	---
23	1,080	991	1,040	997	661	911	853	795	827	---	---	---
24	1,110	1,070	1,080	891	277	747	856	831	846	---	---	---
25	1,180	1,110	1,150	1,020	876	974	852	819	830	1,090	981	1,070
26	1,200	1,170	1,200	1,090	1,020	1,050	830	302	749	1,130	989	1,080
27	1,250	1,200	1,230	1,120	1,090	1,100	1,010	598	876	1,170	1,120	1,150
28	1,250	1,230	1,240	1,120	1,090	1,100	1,060	999	1,030	---	---	---
29	1,260	1,230	1,250	1,160	1,110	1,140	1,100	608	1,030	---	---	---
30	1,260	734	1,100	1,180	1,160	1,170	1,100	665	990	---	---	---
31	---	---	---	1,200	1,180	1,190	1,120	1,060	1,090	---	---	---
MONTH	1,460	283	1,090	1,370	233	1,090	1,200	246	909	---	---	---

01359133 PATROON CREEK AT NORTHERN BOULEVARD AT ALBANY, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	4.5	2.0	4.0
2	---	---	---	---	---	---	---	---	---	2.5	1.5	2.0
3	---	---	---	---	---	---	---	---	---	2.0	1.0	2.0
4	---	---	---	---	---	---	---	---	---	3.0	1.0	2.0
5	---	---	---	---	---	---	2.5	2.0	2.0	3.5	3.0	3.0
6	---	---	---	---	---	---	3.5	2.5	3.0	3.5	3.0	3.0
7	---	---	---	---	---	---	3.5	2.0	2.5	3.5	2.0	2.5
8	---	---	---	---	---	---	3.5	2.5	3.0	3.5	2.0	2.5
9	---	---	---	---	---	---	3.5	1.0	2.0	4.0	3.5	3.5
10	---	---	---	---	---	---	2.0	0.5	1.5	3.5	2.0	2.5
11	---	---	---	---	---	---	2.5	1.5	2.0	2.5	1.5	2.0
12	---	---	---	---	---	---	3.5	1.0	2.5	2.5	2.0	2.0
13	---	---	---	---	---	---	4.5	3.0	4.0	2.0	1.0	1.5
14	---	---	---	---	---	---	4.0	3.0	3.5	1.5	0.5	1.0
15	---	---	---	---	---	---	4.5	3.5	4.0	1.0	0.5	1.0
16	---	---	---	---	---	---	4.0	3.0	4.0	1.5	0.5	1.0
17	---	---	---	---	---	---	3.0	2.0	2.0	2.0	0.5	1.5
18	---	---	---	---	---	---	2.0	1.0	1.5	0.5	0.0	0.0
19	---	---	---	---	---	---	3.5	1.5	2.0	0.5	0.0	0.0
20	---	---	---	---	---	---	4.5	3.5	4.0	1.0	0.5	0.5
21	---	---	---	---	---	---	4.5	4.0	4.0	0.5	0.0	0.0
22	---	---	---	---	---	---	5.0	4.0	4.5	0.0	0.0	---
23	---	---	---	---	---	---	5.0	4.5	4.5	0.0	0.0	---
24	---	---	---	---	---	---	4.5	3.5	4.0	0.0	0.0	0.0
25	---	---	---	---	---	---	3.5	0.0	2.5	0.5	0.0	0.5
26	---	---	---	---	---	---	2.5	0.5	1.5	1.5	0.5	1.0
27	---	---	---	---	---	---	3.5	2.0	3.0	1.5	0.0	0.5
28	---	---	---	---	---	---	4.0	3.5	3.5	0.0	0.0	0.0
29	---	---	---	---	---	---	4.5	3.5	4.0	1.0	0.0	0.5
30	---	---	---	---	---	---	4.0	2.5	3.0	1.0	0.5	1.0
31	---	---	---	---	---	---	4.5	3.5	4.0	2.0	1.0	1.5
MONTH	---	---	---	---	---	---	---	---	---	4.5	0.0	---
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	2.0	2.5	4.0	2.5	3.5	5.5	4.0	4.5	16.0	11.5	13.5
2	3.5	3.0	3.0	3.5	2.5	3.0	5.5	4.5	5.0	15.5	12.0	14.0
3	4.0	2.5	3.0	2.5	0.0	1.0	5.0	4.0	5.0	14.5	11.0	12.5
4	4.0	2.5	3.0	2.5	0.0	1.0	4.0	2.0	3.0	15.0	10.5	12.5
5	2.5	1.5	2.0	3.5	2.0	2.5	3.5	1.5	2.5	14.0	11.5	12.5
6	2.0	0.5	1.5	3.0	1.0	2.0	5.5	3.0	4.0	13.0	11.0	12.0
7	2.5	1.5	2.0	2.0	0.0	1.0	4.5	3.0	4.0	15.0	11.5	13.5
8	2.0	0.5	1.0	4.0	2.0	3.0	5.0	3.5	4.0	14.0	13.0	13.5
9	2.0	1.0	1.5	4.0	1.5	3.0	5.5	4.5	5.0	16.0	12.5	14.0
10	2.5	1.5	2.0	2.0	1.0	1.5	9.0	4.5	6.5	16.0	12.5	14.0
11	2.5	0.5	1.0	3.0	0.5	1.5	7.0	5.5	6.5	16.5	13.5	14.5
12	1.5	0.5	1.0	4.0	2.5	3.5	11.0	6.5	8.5	14.5	13.5	13.5
13	1.0	0.0	0.5	4.0	1.5	3.0	11.0	7.5	9.0	13.5	12.0	13.0
14	1.0	0.0	0.0	3.5	0.5	2.0	10.5	6.5	8.5	13.5	11.5	12.5
15	0.5	0.0	0.0	5.0	2.5	3.5	13.5	8.5	10.5	15.5	12.5	14.0
16	0.0	0.0	0.0	5.0	3.0	4.0	13.5	10.5	12.0	14.5	13.0	14.0
17	0.0	0.0	0.0	6.0	3.5	4.5	10.5	7.5	9.0	15.5	11.5	13.5
18	0.5	0.0	0.0	6.0	4.0	5.0	10.0	7.0	9.0	16.5	12.5	14.5
19	2.5	0.5	1.5	6.0	2.5	4.0	13.0	8.5	10.5	17.5	13.5	15.5
20	3.5	2.5	3.0	4.5	3.0	4.0	13.5	10.0	11.5	17.0	14.0	15.5
21	3.5	1.5	3.0	6.0	3.0	4.5	13.0	10.0	11.5	16.0	13.5	14.5
22	3.5	1.5	3.0	7.5	4.5	6.0	11.5	10.5	10.5	14.5	13.0	13.5
23	2.5	1.0	2.5	6.0	5.0	5.5	10.5	8.5	9.5	14.0	13.5	13.5
24	2.5	1.0	1.5	8.0	4.0	6.0	9.5	7.5	8.5	13.5	13.0	13.5
25	2.0	1.0	1.5	9.5	5.5	7.0	11.0	8.5	9.5	15.0	13.0	14.0
26	1.5	0.5	1.0	8.0	6.5	7.0	10.5	10.0	10.0	15.0	14.0	14.0
27	2.0	0.5	1.5	9.0	5.0	7.0	12.0	9.5	10.5	16.0	13.5	14.5
28	3.0	1.0	2.0	9.0	5.5	7.5	15.0	9.5	12.5	17.0	14.5	15.5
29	---	---	---	12.0	8.0	9.5	14.5	12.0	13.0	16.5	14.5	15.5
30	---	---	---	9.5	5.0	7.0	14.5	10.5	12.5	18.0	15.0	16.0
31	---	---	---	7.5	4.5	5.5	---	---	---	17.0	15.0	16.0
MONTH	4.0	0.0	1.6	12.0	0.0	4.2	15.0	1.5	8.2	18.0	10.5	14.0

01359133 PATROON CREEK AT NORTHERN BOULEVARD AT ALBANY, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.0	14.0	15.0	20.5	17.5	19.0	21.0	19.5	20.0	18.0	17.5	17.5
2	16.0	13.0	14.5	21.0	18.0	19.5	22.0	20.0	21.0	18.0	17.0	17.5
3	15.5	13.5	14.5	21.5	19.0	20.5	22.5	21.0	21.5	18.5	17.5	18.0
4	16.0	14.5	15.5	22.5	19.5	21.0	22.5	21.0	22.0	19.0	17.5	18.5
5	15.5	15.0	15.0	22.5	20.5	21.5	23.0	21.5	22.0	19.5	18.0	18.5
6	18.0	14.5	16.0	23.0	20.5	22.0	23.0	21.5	22.0	19.0	17.0	18.0
7	17.0	15.5	16.0	22.0	20.0	21.0	22.0	20.5	21.5	19.0	16.5	18.0
8	16.5	15.5	16.0	23.5	20.0	21.0	22.0	21.0	21.5	19.0	17.5	18.5
9	18.0	15.5	16.5	21.5	19.5	20.0	22.5	21.0	21.5	18.5	16.5	17.5
10	18.5	15.0	16.5	20.5	18.5	19.5	23.0	21.0	22.0	18.0	16.0	17.0
11	17.5	16.5	17.0	20.5	18.5	19.5	22.5	21.5	22.0	18.5	16.5	17.5
12	18.0	16.5	17.0	21.0	19.5	20.5	22.0	21.0	21.5	18.5	17.5	18.0
13	17.5	16.0	17.0	20.0	18.5	19.5	22.5	21.0	21.5	18.0	17.0	17.0
14	17.0	15.5	16.5	20.5	18.0	19.5	23.0	21.0	22.0	19.5	17.5	18.0
15	19.0	16.0	17.5	21.5	19.0	20.0	23.0	20.5	21.5	20.0	18.5	19.5
16	18.5	16.0	17.0	21.5	19.0	20.5	22.5	21.0	21.5	20.0	18.5	19.5
17	18.5	16.0	17.5	21.5	19.0	20.5	22.0	20.0	21.0	19.0	17.0	18.0
18	18.0	16.0	16.5	20.5	19.5	20.0	21.5	20.0	21.0	18.5	17.0	18.0
19	18.5	16.0	17.0	20.5	18.0	19.0	22.0	20.0	21.0	20.5	17.5	19.0
20	18.0	16.5	17.0	20.5	18.0	19.5	22.0	19.5	21.0	20.0	18.5	19.5
21	18.5	16.0	16.5	22.5	19.0	20.0	22.0	20.0	21.0	18.5	17.0	17.5
22	17.5	16.5	17.0	22.5	20.5	21.0	23.0	21.0	22.0	17.5	16.0	17.0
23	20.0	16.5	18.0	22.5	20.5	21.0	22.0	19.5	20.5	18.5	17.0	18.0
24	22.0	18.0	20.0	24.5	21.5	22.0	19.5	17.5	18.5	18.0	16.5	17.5
25	22.0	19.0	20.5	22.5	20.0	21.5	19.5	18.0	19.0	18.0	16.5	17.0
26	22.5	19.5	21.0	22.0	20.0	21.0	23.5	18.5	20.0	17.0	15.5	16.5
27	22.5	20.5	21.0	21.5	20.5	21.0	22.5	21.0	21.5	18.5	17.0	17.5
28	21.0	18.5	19.5	21.5	20.0	20.5	21.0	19.5	20.0	18.5	16.5	17.5
29	21.0	18.5	20.0	21.0	18.5	20.0	22.0	18.0	19.5	16.5	15.5	16.0
30	20.5	19.0	20.0	21.5	19.0	20.0	21.0	19.0	20.0	15.5	14.0	15.0
31	---	---	---	21.5	19.5	20.5	19.0	17.5	18.0	---	---	---
MONTH	22.5	13.0	17.3	24.5	17.5	20.4	23.5	17.5	20.9	20.5	14.0	17.8

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.

REMARKS.--Prior to October 2002 published as maximum, minimum, and mean elevation. Blanks in tables are the result of only one high or low tide during a day or interruption of record. Satellite and telephone elevation 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, 8.29 ft, Mar. 23; minimum, -2.48 ft, Dec. 9.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.61	1.70	1.45	1.99	1.91	2.41	3.35	2.94	3.32	1.47	2.03	1.70
2	1.10	0.95	1.26	2.41	1.67	2.40	2.92	2.79	2.91	1.78	2.45	1.99
3	1.13	1.20	0.86	3.24	0.91	1.59	3.19	2.59	2.59	1.98	2.28	2.42
4	2.07	1.98	1.15	2.88	1.82	1.56	3.51	3.01	2.50	1.87	2.19	2.27
5	2.16	2.05	1.46	2.46	0.97	1.83	4.11	2.65	2.51	1.68	2.28	2.09
6	1.52	2.61	2.32	2.40	0.78	1.95	2.37	2.59	2.14	1.40	2.58	1.72
7	2.33	1.48	2.02	1.86	1.41	1.97	2.12	2.30	1.96	1.46	2.19	1.77
8	1.70	2.83	1.23	2.17	1.32	1.91	2.82	2.15	2.16	1.54	1.86	1.67
9	1.87	1.62	0.39	1.89	0.95	1.78	2.31	2.10	2.55	1.40	1.86	1.99
10	1.96	2.02	1.31	1.83	0.89	1.10	2.22	1.83	1.84	1.55	2.28	2.11
11	1.80	2.12	1.04	1.08	0.84	1.26	2.74	2.10	2.07	2.14	2.62	1.54
12	2.44	1.25	1.79	0.41	1.41	1.23	2.76	3.05	1.97	2.31	2.78	2.15
13	2.58	1.72	1.66	1.25	-0.14	0.90	3.09	3.26	2.34	1.85	2.97	1.97
14	1.04	2.12	2.35	0.30	0.25	1.24	2.89	3.23	2.62	1.75	2.35	1.84
15	1.94	1.97	1.50	1.50	0.59	1.67	3.01	3.22	2.65	1.86	2.31	1.92
16	2.52	1.25	2.18	1.22	0.41	1.69	2.51	3.34	2.58	2.11	2.35	1.69
17	2.55	2.87	1.75	1.72	1.52	2.40	3.27	3.16	2.45	1.60	2.21	1.49
18	2.50	2.74	1.99	1.57	2.47	3.27	4.07	2.56	2.08	1.70	2.24	1.93
19	2.64	1.42	2.01	2.33	2.08	4.63	3.13	2.15	2.11	1.58	1.96	3.22
20	1.62	2.62	2.68	1.62	1.80	4.69	2.93	2.11	1.89	1.57	1.30	1.66
21	1.88	2.81	2.96	0.68	1.59	5.12	3.03	1.71	1.99	1.94	1.42	1.38
22	1.85	3.01	2.37	0.51	1.78	6.31	2.92	1.45	2.28	2.04	1.53	1.82
23	1.31	2.55	2.21	-0.06	2.47	6.58	2.21	1.57	2.28	1.78	1.28	2.97
24	1.34	1.95	1.76	0.80	0.88	5.14	1.46	1.84	2.03	1.91	1.30	---
25	1.52	1.81	2.38	1.26	1.07	4.81	2.24	1.92	1.77	1.44	1.56	2.75
26	2.61	2.15	0.81	1.32	1.23	4.63	2.47	2.27	1.75	1.35	1.60	2.35
27	2.08	2.00	1.24	1.01	1.86	4.20	2.81	2.42	1.84	1.56	2.03	2.69
28	1.60	1.79	1.54	0.92	2.28	3.83	2.67	2.53	1.62	1.23	1.70	3.23
29	1.27	2.03	1.70	1.22	---	3.95	2.44	2.59	1.82	1.72	2.05	3.76
30	1.34	2.17	1.49	1.33	---	4.44	2.11	2.61	1.77	1.83	1.87	2.60
31	1.56	---	2.20	1.50	---	3.78	---	2.57	---	1.76	1.51	---
MEAN	1.85	2.03	1.71	1.50	1.32	3.04	2.79	2.47	2.21	1.71	2.03	---
MAX	2.64	3.01	2.96	3.24	2.47	6.58	4.11	3.34	3.32	2.31	2.97	---
MIN	1.04	0.95	0.39	-0.06	-0.14	0.90	1.46	1.45	1.62	1.23	1.28	---

01359139 HUDSON RIVER AT ALBANY, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.37	4.69	4.67	4.94	3.86	4.32	5.40	5.50	5.69	4.65	5.00	4.66
2	3.04	3.79	4.41	5.47	3.25	4.41	5.25	5.32	5.61	4.88	5.16	5.41
3	4.27	4.08	3.46	6.52	2.88	4.04	5.32	4.78	5.34	5.10	4.97	5.54
4	5.08	5.04	4.59	5.82	4.12	3.68	5.58	5.72	5.21	4.82	5.16	5.15
5	5.44	4.97	4.69	5.44	2.65	3.78	6.39	5.29	5.33	4.65	5.32	3.93
6	4.55	5.44	5.44	5.23	2.49	3.58	5.13	5.14	4.95	4.18	5.66	5.03
7	5.29	4.61	5.19	4.13	2.86	3.70	4.16	5.06	4.51	4.58	3.99	5.01
8	4.91	5.56	3.85	4.62	2.76	3.78	4.87	4.59	4.68	4.77	5.32	4.97
9	4.94	4.52	3.95	4.65	2.51	4.14	4.86	4.90	5.16	3.78	5.09	5.16
10	4.96	5.16	3.55	4.42	2.52	2.94	4.79	4.38	5.30	4.70	5.42	5.42
11	4.88	4.37	3.88	3.28	2.29	3.00	5.12	4.54	5.11	5.55	5.64	4.61
12	5.61	3.62	4.32	2.40	3.50	3.16	5.04	5.35	5.31	5.60	5.74	4.92
13	5.03	3.73	4.05	4.03	1.93	2.90	5.26	5.86	5.43	5.43	5.58	4.65
14	4.28	4.32	4.98	2.35	2.12	2.86	5.22	5.75	5.99	5.03	5.20	4.64
15	4.20	4.54	3.82	4.04	2.65	4.10	5.58	5.95	5.84	5.10	4.86	4.55
16	4.77	3.58	4.60	3.45	2.44	4.42	5.47	6.03	5.51	5.20	4.88	4.14
17	5.30	5.30	4.61	3.70	4.21	5.21	6.05	6.36	5.53	4.59	4.72	4.18
18	5.29	5.25	4.90	4.06	4.50	5.65	7.05	5.75	5.17	4.61	4.67	4.59
19	5.34	4.37	4.92	4.24	3.98	7.03	6.09	5.28	5.04	4.24	4.34	5.81
20	4.23	5.28	5.79	3.22	3.72	7.28	5.73	5.18	4.67	4.24	4.09	4.29
21	4.25	5.39	5.76	2.46	3.43	7.33	5.74	4.81	4.65	5.22	4.47	2.78
22	4.43	5.80	5.13	1.75	3.65	8.03	5.70	4.10	4.68	4.65	3.09	4.52
23	3.75	4.68	4.56	1.80	4.62	8.29	5.09	4.19	4.38	3.38	4.46	5.63
24	4.29	4.05	4.15	2.42	2.34	7.02	3.73	4.34	4.81	4.58	4.26	5.34
25	4.41	4.53	5.48	2.91	2.97	6.95	4.81	4.19	4.86	4.56	4.52	5.56
26	5.42	4.97	3.25	2.97	3.33	6.68	4.66	4.57	4.87	4.40	4.81	5.20
27	4.31	4.03	3.90	2.74	3.84	6.19	5.03	4.95	5.07	4.70	5.35	5.75
28	3.79	4.44	4.43	2.86	4.42	5.79	4.93	5.19	4.77	4.70	5.00	6.04
29	3.98	5.12	4.84	3.09	---	6.09	5.13	5.27	4.98	4.77	4.97	6.41
30	4.32	4.41	4.63	3.24	---	6.05	4.72	5.53	5.23	5.13	4.90	5.31
31	3.74	---	5.37	3.47	---	5.90	---	5.43	---	4.82	4.72	---
MEAN	4.60	4.65	4.55	3.73	3.21	5.11	5.26	5.14	5.12	4.73	4.88	4.97
MAX	5.61	5.80	5.79	6.52	4.62	8.29	7.05	6.36	5.99	5.60	5.74	6.41
MIN	3.04	3.58	3.25	1.75	1.93	2.86	3.73	4.10	4.38	3.38	3.09	2.78

WTR YR 2003 MEAN 4.67 MAX 8.29 MIN 1.75

01359139 HUDSON RIVER AT ALBANY, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.45	4.37	4.17	4.53	3.17	3.96	5.28	4.99	4.86	3.49	4.46	4.43
2	---	3.73	3.20	4.14	3.22	3.83	4.90	4.56	4.23	3.86	4.84	4.34
3	3.46	3.96	3.45	4.95	2.09	2.28	5.21	4.50	4.08	4.15	4.79	4.51
4	4.32	4.35	3.10	5.04	3.02	2.93	5.43	4.71	4.29	4.27	4.63	4.38
5	4.81	4.57	3.47	4.35	1.89	3.21	5.78	4.35	4.10	4.08	4.36	---
6	4.19	4.88	4.55	4.40	1.99	3.47	3.34	4.14	3.83	4.06	4.63	3.45
7	4.99	3.31	3.95	4.08	2.64	3.48	3.77	3.73	4.13	4.10	---	3.91
8	4.22	4.80	3.34	4.20	2.52	2.95	4.42	3.82	4.65	4.11	3.89	3.76
9	4.33	3.51	1.51	3.29	1.49	2.27	3.12	3.68	---	---	4.17	4.36
10	4.29	3.81	3.48	3.56	2.41	1.95	4.07	4.16	4.00	3.99	4.48	4.34
11	4.04	4.31	2.84	2.64	---	2.54	4.25	---	4.47	4.53	4.88	4.01
12	4.69	3.23	3.23	---	1.90	2.15	---	5.18	4.35	4.78	4.88	4.66
13	4.61	---	4.04	2.02	0.87	---	5.17	5.57	4.77	4.14	5.18	4.52
14	2.35	4.00	---	1.56	1.36	2.35	5.15	5.56	4.80	4.22	4.50	4.06
15	---	4.24	3.58	2.65	1.73	2.95	5.41	5.35	4.69	4.32	4.75	4.15
16	4.41	3.34	4.10	2.38	1.66	3.53	4.50	5.62	4.94	4.48	4.82	4.00
17	4.90	4.47	3.07	3.21	2.36	4.47	4.98	5.25	4.51	4.08	4.52	3.18
18	4.33	4.76	3.80	2.00	4.17	5.46	6.02	4.66	4.29	4.14	4.26	3.47
19	4.67	2.64	3.89	3.66	3.75	6.53	5.15	4.35	4.32	4.01	3.99	4.94
20	4.01	4.43	4.13	3.16	3.31	6.54	5.03	4.13	4.09	3.95	2.96	2.79
21	4.18	4.48	4.59	1.68	3.33	7.08	5.09	3.48	4.43	4.07	2.88	---
22	4.07	4.52	4.01	1.71	3.52	7.09	4.62	3.78	4.34	3.54	---	3.78
23	3.75	3.85	4.33	0.98	3.79	6.66	3.45	3.86	---	---	2.80	5.32
24	3.24	3.34	3.96	2.35	2.16	5.64	3.42	---	3.95	3.44	3.19	4.91
25	3.40	3.26	4.39	2.69	---	5.95	---	4.06	3.45	3.13	3.69	5.25
26	4.24	3.51	2.49	---	1.72	5.32	4.51	4.49	3.41	2.90	3.85	5.09
27	3.89	3.99	3.76	2.55	2.94	---	4.92	4.33	3.59	3.33	4.45	5.18
28	3.39	3.96	3.82	1.58	3.28	---	4.84	4.29	3.50	2.99	4.12	5.61
29	3.11	4.10	---	2.33	---	5.52	4.47	4.49	3.79	4.02	4.76	5.84
30	3.30	---	3.48	2.38	---	5.94	4.11	4.36	3.49	3.82	4.32	4.84
31	---	---	4.34	2.60	---	5.11	---	4.30	---	4.08	4.01	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

01359139 HUDSON RIVER AT ALBANY, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.74	-1.10	-1.05	-1.08	-0.06	0.43	---	0.26	---	---	-1.22	-1.39
2	-1.47	-1.92	-1.68	---	0.13	---	0.96	---	1.60	-1.38	-0.58	-1.11
3	-1.55	-1.76	-2.20	0.03	-0.77	0.62	0.72	0.30	0.18	-1.10	-0.52	-0.31
4	-0.75	-0.87	---	0.57	-0.01	-0.37	1.02	0.54	-0.18	-1.10	-0.57	-0.25
5	-0.59	---	-1.90	-0.25	0.24	-0.13	1.97	0.18	0.04	-1.14	-0.50	-0.34
6	-1.27	-0.75	-0.79	-0.33	-0.68	0.04	1.17	0.19	-0.13	-1.18	0.13	-0.85
7	---	-0.84	-0.93	-0.45	-0.08	0.24	-0.01	0.04	-0.42	-1.20	-0.24	-1.05
8	-1.33	0.56	-0.97	0.00	-0.04	0.31	0.68	-0.02	-0.17	-1.06	-0.60	-1.30
9	-1.56	-0.52	-2.34	-0.30	-0.17	0.17	0.73	0.17	0.00	-1.20	-1.08	-0.80
10	-1.11	-0.48	-1.05	-0.11	-0.19	-0.22	0.33	-0.35	-0.49	-1.47	-0.48	-1.01
11	-1.09	-0.21	-1.05	-0.66	0.08	0.00	1.07	-0.46	-0.80	-0.78	-0.37	-1.52
12	-0.03	-0.73	-0.27	-1.66	0.14	-0.11	0.77	0.68	-1.06	-0.85	-0.04	---
13	0.32	0.04	0.05	-0.72	-1.42	-0.54	1.27	0.83	-0.68	-1.31	---	-0.69
14	-0.99	0.27	0.63	-1.18	-1.45	-0.19	0.35	0.84	-0.44	-1.63	-0.20	-1.05
15	-0.21	-0.38	-0.35	-0.44	-1.28	0.07	0.32	0.61	---	---	-0.65	-0.74
16	0.66	-0.89	0.17	-0.56	---	-0.64	-0.11	0.30	-0.70	-1.06	-0.64	-0.73
17	0.22	0.56	-0.52	---	-0.82	-0.18	---	---	-0.39	-1.37	-0.42	-0.82
18	0.20	0.85	-0.67	-0.32	0.53	---	1.31	-0.50	-0.86	-1.31	-0.18	-0.24
19	0.05	-0.35	-0.71	0.47	0.21	1.82	0.50	-0.99	-0.70	-1.07	0.06	1.48
20	-0.96	---	---	0.12	0.03	2.77	-0.04	-0.93	-0.59	-0.84	-0.69	-0.50
21	-0.90	0.26	0.45	-0.76	-0.34	3.14	0.30	-0.90	-0.18	-0.41	-0.92	-0.68
22	---	0.19	0.11	-0.72	-0.08	5.20	0.29	-1.22	-0.09	0.01	-0.58	-0.40
23	-1.20	1.07	-0.05	-1.54	0.91	5.64	0.18	-0.71	0.43	-0.28	-0.98	0.38
24	-1.58	0.21	-0.63	-0.45	-0.65	4.30	-0.48	-0.46	0.00	-0.25	-1.13	-0.13
25	-1.26	-0.46	-0.13	0.03	-0.48	3.38	-0.06	-0.41	-0.51	-0.81	-1.11	0.01
26	0.54	0.02	-1.10	-0.16	0.01	3.31	0.19	-0.19	-0.73	-1.10	-1.17	-0.93
27	0.23	-0.22	-0.97	-0.32	0.16	---	0.89	0.38	-0.67	-1.22	-1.16	---
28	-0.49	-0.29	-0.90	-0.26	0.55	2.08	0.38	0.12	-1.19	-1.70	-1.78	-0.12
29	-0.94	-0.08	-0.91	-0.39	---	2.21	0.02	0.03	-0.93	-1.15	---	0.93
30	-0.76	-0.54	-1.14	-0.24	---	2.90	-0.32	-0.02	-1.31	---	-1.12	0.61
31	-1.02	---	-0.63	---	---	2.39	---	-0.06	---	-1.42	-1.86	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

01359139 HUDSON RIVER AT ALBANY, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.89	-1.17	-1.84	-1.10	-0.15	0.41	1.16	0.00	0.50	-1.88	-1.27	-1.66
2	-1.74	-2.28	-1.71	-0.87	-0.11	0.18	0.54	0.05	0.66	-1.67	-0.86	-1.19
3	-1.99	-2.09	-2.29	-0.14	-0.96	-0.17	0.39	0.07	-0.10	-1.29	-0.89	-0.39
4	-1.06	-1.39	-2.35	-0.23	-0.72	-0.97	0.83	0.48	-0.19	-1.38	-0.97	-0.60
5	-1.57	-1.47	-1.98	-0.58	-1.02	-0.25	1.88	-0.07	-0.32	-1.52	-0.58	-0.63
6	-2.19	-0.86	-1.22	-0.62	-1.21	0.03	-0.23	0.04	-0.87	-1.94	-0.23	-1.05
7	-1.06	-1.64	-0.97	-0.79	-0.27	-0.16	-0.28	-0.45	-1.04	-1.76	-0.90	-1.13
8	-1.87	-1.21	-1.82	-0.39	-0.06	-0.01	0.45	-0.32	-0.85	-1.70	-1.37	-1.32
9	-1.67	-1.49	-2.48	-0.66	-0.70	0.13	0.03	-0.78	-0.37	-1.89	-1.15	-1.33
10	-1.14	-1.05	-1.10	-0.81	-0.94	-0.62	0.05	-0.93	-1.46	-1.51	-0.65	-1.49
11	-1.31	-0.39	-1.74	-0.75	-0.97	-0.64	0.70	-0.59	-1.14	-1.19	-0.56	-1.74
12	-0.73	-1.42	-0.41	-1.71	-0.74	-0.29	0.75	0.31	-1.25	-1.02	-0.38	-1.00
13	0.00	-0.87	-1.50	-0.85	-2.02	-1.04	0.54	0.38	-0.90	-1.86	0.21	-1.19
14	-1.51	-0.59	-0.35	-2.06	-1.50	-0.41	0.32	0.38	-0.88	-1.72	-0.73	-1.30
15	-0.85	-0.68	-0.92	-0.81	-1.38	-0.70	0.02	0.16	-0.46	-1.60	-0.70	-0.98
16	-0.44	-1.57	-0.88	-0.81	-1.71	-0.97	-0.90	0.04	-0.81	-1.18	-0.65	-1.18
17	-0.04	0.53	-0.65	-0.23	-1.39	-0.65	0.28	0.00	-0.80	-1.87	-0.62	-1.06
18	-0.59	-0.67	-0.90	-0.73	0.44	0.12	1.28	-0.52	-1.16	-1.41	-0.54	-0.32
19	-0.13	-1.41	-0.96	0.41	-0.04	1.31	0.14	-1.03	-0.98	-1.94	-0.77	0.73
20	-1.34	-0.06	-0.52	-0.21	-0.29	2.24	-0.09	-0.94	-1.27	-1.50	-1.38	-0.68
21	-0.96	0.16	0.45	-1.11	-0.60	1.70	0.11	-1.38	-1.06	-1.02	-0.95	-1.13
22	-0.98	0.11	-0.38	-1.09	-0.43	4.28	0.25	-1.34	-0.22	-0.66	-0.84	-0.91
23	-1.54	0.71	-0.57	-1.63	0.26	5.53	-0.33	-1.21	-0.47	-0.98	-1.07	0.22
24	-1.79	0.08	-1.08	-1.05	-0.94	3.47	-0.95	-0.81	-0.69	-0.55	-1.44	-0.32
25	-1.36	-0.50	-0.98	-0.53	-0.60	3.08	-0.16	-0.45	-1.00	-1.29	-1.26	-0.92
26	-1.02	-0.36	-2.14	-0.25	-0.79	3.30	-0.01	-0.20	-1.04	-1.37	-1.63	-0.98
27	-0.55	-0.26	-2.28	-0.77	-0.03	2.76	0.15	-0.50	-1.16	-1.23	-1.45	-0.85
28	-0.55	-0.99	-1.37	-0.94	0.29	1.95	-0.09	-0.17	-1.22	-1.93	-1.82	-0.30
29	-1.16	-1.00	-1.28	-0.51	---	1.75	-0.74	-0.10	-1.24	-1.57	-1.21	0.72
30	-1.32	-0.75	-1.72	-0.54	---	2.84	-0.68	-0.43	-1.56	-1.60	-1.54	-0.70
31	-1.10	---	-0.94	-0.41	---	1.27	---	-0.27	---	-1.61	-2.04	---
MEAN	-1.11	-0.82	-1.25	-0.73	-0.66	0.95	0.18	-0.34	-0.78	-1.47	-0.98	-0.82
MAX	0.00	0.71	0.45	0.41	0.44	5.53	1.88	0.48	0.66	-0.55	0.21	0.73
MIN	-2.19	-2.28	-2.48	-2.06	-2.02	-1.04	-0.95	-1.38	-1.56	-1.94	-2.04	-1.74

WTR YR 2003 MEAN -0.65 MAX 5.53 MIN -2.48

01359139 HUDSON RIVER AT ALBANY, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: February 2002 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 TEMPERATURES: Maximum, 28.5°C, Aug. 18, 19, 21, 2002; minimum (water year 2003), 0.0°C on many days during winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 28.0°C, July 8; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.0	19.0	19.5	7.5	7.0	7.0	3.0	2.0	2.5	1.0	0.5	1.0
2	20.0	19.5	20.0	7.0	6.5	7.0	2.5	2.0	2.0	0.5	0.0	0.0
3	20.5	20.0	20.0	7.0	6.5	6.5	2.0	1.0	1.5	0.0	0.0	0.0
4	20.0	19.5	19.5	6.5	6.0	6.5	1.0	0.5	1.0	0.0	0.0	0.0
5	19.5	19.0	19.5	6.5	6.0	6.5	1.0	0.5	0.5	0.5	0.0	0.0
6	19.0	18.5	18.5	6.5	6.0	6.5	1.0	0.5	0.5	0.5	0.0	0.0
7	18.5	18.0	18.5	6.5	5.5	6.0	0.5	0.5	0.5	0.5	0.0	0.0
8	18.0	17.5	18.0	5.5	5.5	5.5	0.5	0.5	0.5	0.5	0.0	0.0
9	17.5	17.0	17.5	6.0	5.5	6.0	0.5	0.0	0.5	0.5	0.0	0.5
10	17.0	17.0	17.0	7.0	6.0	6.5	0.5	0.0	0.5	0.5	0.0	0.0
11	17.0	16.5	16.5	9.0	7.0	8.0	0.5	0.0	0.0	0.0	0.0	0.0
12	16.5	16.0	16.0	9.0	8.5	8.5	0.5	0.0	0.0	0.5	0.0	0.0
13	16.0	16.0	16.0	8.5	8.0	8.5	0.5	0.0	0.5	0.0	0.0	0.0
14	16.0	15.5	16.0	8.0	8.0	8.0	0.5	0.5	0.5	0.5	0.0	0.0
15	15.5	15.0	15.0	8.5	8.0	8.0	1.0	0.5	1.0	0.5	0.0	0.0
16	15.0	14.0	14.5	8.0	7.0	7.5	1.0	0.5	1.0	0.5	0.0	0.0
17	14.0	13.5	13.5	7.0	6.5	6.5	1.0	0.5	0.5	0.5	0.0	0.0
18	13.5	13.5	13.5	6.5	5.5	6.0	0.5	0.5	0.5	0.5	0.0	0.0
19	13.5	12.0	13.0	5.5	5.0	5.5	0.5	0.0	0.5	0.5	0.0	0.0
20	12.5	11.5	12.0	5.0	5.0	5.0	1.0	0.5	0.5	0.5	0.0	0.0
21	11.5	11.0	11.5	5.0	4.5	5.0	1.0	0.5	0.5	0.5	0.0	0.0
22	11.0	10.5	11.0	5.5	5.0	5.0	1.0	1.0	1.0	0.5	0.0	0.0
23	11.0	10.5	10.5	5.5	4.5	5.0	1.0	1.0	1.0	0.5	0.0	0.0
24	10.5	10.0	10.0	5.0	4.5	4.5	1.0	1.0	1.0	0.5	0.0	0.0
25	10.0	9.5	10.0	5.0	4.5	4.5	1.0	0.5	1.0	0.5	0.0	0.0
26	10.0	9.5	9.5	5.0	4.5	4.5	0.5	0.0	0.0	0.0	0.0	0.0
27	9.5	9.0	9.0	5.0	4.5	4.5	0.5	0.0	0.0	0.0	0.0	0.0
28	9.0	8.5	9.0	4.5	3.5	4.0	0.5	0.0	0.0	0.0	0.0	0.0
29	8.5	8.0	8.5	3.5	3.0	3.0	0.5	0.0	0.5	0.0	0.0	0.0
30	8.0	7.5	7.5	3.0	2.5	2.5	0.5	0.0	0.5	0.0	0.0	0.0
31	8.0	7.0	7.5	---	---	---	0.5	0.0	0.5	0.0	0.0	0.0
MONTH	20.5	7.0	14.1	9.0	2.5	5.9	3.0	0.0	0.7	1.0	0.0	0.0

01359139 HUDSON RIVER AT ALBANY, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.5	0.0	0.5	4.5	3.5	4.0	13.0	12.0	12.5
2	0.5	0.0	0.0	0.5	0.0	0.0	4.0	3.5	3.5	13.5	13.0	13.0
3	0.5	0.0	0.5	0.5	0.0	0.5	3.5	3.0	3.0	13.5	12.5	13.0
4	0.5	0.0	0.5	0.5	0.0	0.5	3.0	2.0	2.5	13.5	12.5	13.0
5	0.5	0.0	0.0	0.5	0.0	0.0	2.0	1.5	1.5	13.5	12.5	13.0
6	0.5	0.0	0.0	0.0	0.0	0.0	2.0	1.5	1.5	13.0	12.5	12.5
7	0.5	0.0	0.0	0.5	0.0	0.0	2.0	1.5	2.0	13.0	12.5	12.5
8	0.5	0.0	0.0	0.5	0.0	0.0	2.5	2.0	2.0	13.0	12.5	13.0
9	0.5	0.0	0.0	0.5	0.0	0.5	2.5	2.0	2.5	13.5	12.5	13.0
10	0.5	0.0	0.0	0.5	0.0	0.5	4.0	2.5	3.0	13.5	13.0	13.5
11	0.5	0.0	0.0	0.5	0.0	0.5	4.5	3.5	4.0	14.0	13.5	14.0
12	0.5	0.0	0.0	0.5	0.0	0.5	6.0	4.5	5.5	14.0	14.0	14.0
13	0.5	0.0	0.0	0.5	0.0	0.5	7.0	6.0	6.5	14.0	14.0	14.0
14	0.5	0.0	0.0	0.5	0.0	0.5	8.0	7.0	7.5	14.0	13.0	13.5
15	0.5	0.0	0.0	0.5	0.0	0.5	9.0	7.5	8.5	13.5	13.0	13.5
16	0.5	0.0	0.0	1.0	0.0	0.5	10.0	9.0	9.5	14.0	13.5	13.5
17	0.0	0.0	0.0	1.5	0.5	1.0	9.5	9.0	9.5	14.5	13.5	14.0
18	0.0	0.0	0.0	1.0	0.5	1.0	9.5	8.5	9.0	15.0	14.0	14.5
19	0.0	0.0	0.0	1.0	0.0	0.5	9.5	9.0	9.0	15.5	15.0	15.0
20	0.5	0.0	0.0	1.0	0.5	0.5	10.0	9.0	9.5	16.0	15.5	15.5
21	0.5	0.0	0.0	1.5	0.5	1.0	10.0	9.5	9.5	16.0	15.5	16.0
22	0.5	0.0	0.0	2.5	1.0	1.5	10.0	9.5	9.5	15.5	15.5	15.5
23	0.5	0.0	0.0	3.0	2.5	3.0	9.5	9.0	9.5	15.5	15.0	15.5
24	0.5	0.0	0.0	3.5	2.5	3.0	9.0	8.5	8.5	15.5	15.5	15.5
25	0.5	0.0	0.0	4.5	3.0	4.0	9.5	8.5	9.0	16.0	15.0	15.5
26	0.5	0.0	0.0	5.0	4.5	5.0	9.5	9.0	9.0	16.5	16.0	16.0
27	0.5	0.0	0.5	5.0	4.5	5.0	9.0	8.5	9.0	16.5	16.0	16.0
28	0.5	0.0	0.5	5.5	4.5	5.0	10.5	9.0	9.5	16.5	16.0	16.5
29	---	---	---	7.0	5.5	6.0	11.5	10.5	11.0	16.5	16.0	16.5
30	---	---	---	7.0	5.5	6.5	12.0	11.0	11.5	17.0	16.5	16.5
31	---	---	---	5.5	4.5	5.0	---	---	---	17.0	17.0	17.0
MONTH	0.5	0.0	0.1	7.0	0.0	1.7	12.0	1.5	6.7	17.0	12.0	14.4
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	16.5	16.5	25.5	24.5	25.0	26.0	25.0	25.5	23.5	23.0	23.5
2	16.5	16.0	16.0	25.5	24.5	25.0	25.0	24.0	24.5	23.0	22.5	22.5
3	16.0	15.5	16.0	26.0	25.0	25.5	25.5	24.0	25.0	22.5	22.0	22.0
4	16.5	15.5	16.0	26.5	25.5	26.0	25.5	25.0	25.0	22.0	21.5	22.0
5	16.5	16.5	16.5	27.0	26.0	26.5	25.5	25.0	25.0	22.0	21.5	21.5
6	17.5	16.5	17.0	27.5	26.5	27.0	25.5	25.0	25.0	22.0	21.0	21.5
7	17.5	17.0	17.5	27.5	27.0	27.5	25.0	24.5	25.0	22.0	21.0	21.5
8	17.5	17.0	17.5	28.0	27.0	27.5	25.0	24.5	25.0	22.5	21.5	22.0
9	18.0	17.5	18.0	27.5	27.0	27.0	26.0	25.0	25.0	22.0	21.5	22.0
10	19.0	18.0	18.5	27.5	26.5	27.0	26.0	25.0	25.5	22.0	21.5	21.5
11	19.5	18.5	19.0	27.0	25.5	26.0	25.5	24.5	25.0	22.5	21.5	21.5
12	19.5	19.0	19.0	26.0	25.0	25.5	25.5	25.0	25.0	22.5	21.5	22.0
13	19.5	19.0	19.5	25.5	24.5	25.0	25.5	25.5	25.5	22.0	22.0	22.0
14	19.0	19.0	19.0	25.0	24.5	24.5	25.5	25.0	25.5	22.0	21.5	22.0
15	20.0	19.0	19.5	25.5	24.5	25.0	25.5	25.5	25.5	22.5	22.0	22.0
16	20.0	20.0	20.0	25.5	24.5	25.0	26.0	25.5	26.0	22.5	22.0	22.5
17	20.5	20.0	20.5	25.5	25.0	25.0	25.5	25.0	25.5	23.0	22.5	22.5
18	20.5	20.0	20.5	25.0	24.5	25.0	25.5	25.5	25.5	23.0	22.0	22.5
19	20.5	20.0	20.0	25.0	24.5	25.0	25.5	25.5	25.5	22.5	22.0	22.5
20	20.5	20.0	20.5	25.0	24.5	25.0	26.0	25.5	26.0	22.5	22.0	22.5
21	20.5	20.0	20.5	25.5	24.5	25.0	26.5	25.5	26.0	23.0	22.0	22.5
22	20.5	20.0	20.0	25.5	24.0	24.5	26.5	25.5	26.0	22.5	21.5	22.0
23	21.0	20.5	21.0	24.5	24.0	24.5	26.5	26.0	26.0	22.0	20.5	21.5
24	22.5	21.0	22.0	25.0	24.5	24.5	26.0	25.0	25.5	---	20.0	---
25	24.0	22.0	23.0	25.0	24.5	24.5	25.5	24.5	24.5	20.5	19.5	20.0
26	25.0	22.5	23.5	25.5	24.5	25.0	25.0	24.0	24.5	20.0	19.5	19.5
27	25.0	24.0	24.5	25.5	24.5	25.0	25.0	24.5	24.5	20.0	19.5	19.5
28	25.5	24.5	25.0	25.0	24.5	25.0	25.0	24.5	24.5	20.0	19.0	19.5
29	25.0	24.5	25.0	25.5	24.5	25.0	25.0	24.5	24.5	19.0	18.5	19.0
30	25.0	25.0	25.0	25.5	25.0	25.0	24.5	23.5	24.0	18.5	17.5	18.0
31	---	---	---	26.0	25.5	25.5	24.0	23.5	24.0	---	---	---
MONTH	25.5	15.5	19.9	28.0	24.0	25.4	26.5	23.5	25.1	---	17.5	---

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)
Nov 18	0230	232	3.87	Mar 21	1815	*245	*3.94
Nov 23	0415	216	3.78	Mar 29	2145	143	3.30
Dec 14	2330	204	3.71	Aug 2	0615	232	3.87
Dec 20	1745	177	3.54	Aug 6	0145	147	3.33
Mar 18	1900	159	3.42				

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2.0	e7.0	19	27	5.0	13	45	6.7	23	2.3	55	2.0
2	e1.7	e6.4	16	45	5.2	16	39	15	19	2.7	142	9.3
3	e2.1	e5.8	e12	35	5.3	e23	59	17	13	5.4	46	7.2
4	e1.8	e5.4	e10	70	7.2	22	69	12	9.3	5.0	26	31
5	e2.4	e6.0	11	43	e8.0	18	52	9.4	8.0	4.6	32	33
6	e1.9	e15	11	22	e7.8	18	45	8.1	8.0	5.2	89	15
7	e1.7	e11	e9.0	19	e7.6	17	36	7.5	9.3	4.9	38	9.1
8	e1.5	e9.0	e8.0	19	e7.2	15	30	6.8	12	5.7	23	6.3
9	e1.4	e8.4	e7.0	17	e6.8	e14	27	6.6	8.9	7.4	17	4.7
10	e1.3	e8.8	e7.2	e14	6.9	e14	30	6.2	6.9	7.2	17	3.8
11	e1.3	e9.8	7.7	e13	6.6	e13	33	6.9	6.7	15	16	3.3
12	e40	e13	11	14	e5.8	12	32	23	8.5	15	43	2.7
13	e20	e30	13	e11	5.9	13	27	53	7.5	12	62	2.4
14	e13	e22	60	12	5.1	13	23	38	14	10	31	3.3
15	e9.2	e18	135	e11	4.5	13	20	24	11	8.8	19	6.1
16	e8.8	e19	60	e11	4.6	21	17	17	8.1	11	13	5.4
17	e18	e25	e34	11	5.8	66	15	13	5.5	12	13	4.2
18	e14	e42	e20	12	7.6	116	13	11	4.6	12	13	3.2
19	e11	e32	23	e10	6.6	99	12	8.5	4.3	13	8.5	2.9
20	e9.6	e28	76	e9.0	5.4	69	11	7.0	4.2	12	6.4	3.1
21	e8.0	e27	76	7.9	5.1	198	9.4	6.0	5.5	12	5.0	2.7
22	e6.8	e35	41	e7.4	6.2	156	9.7	5.9	25	34	4.6	2.3
23	e7.2	e50	30	e7.2	18	108	10	5.1	19	28	4.8	47
24	e6.2	e37	24	e7.2	29	71	9.4	4.9	10	19	3.8	25
25	e5.6	e31	e22	e7.1	22	64	8.7	4.7	6.9	15	3.2	13
26	e15	e27	41	e6.6	e18	61	9.8	20	5.4	12	2.8	8.7
27	e13	e24	25	e6.4	e17	51	11	26	4.2	11	2.5	6.8
28	e11	23	17	6.3	16	38	9.4	23	3.3	10	2.1	9.7
29	e9.6	20	15	5.8	---	63	8.0	24	2.9	9.3	2.1	17
30	e8.4	19	15	5.3	---	99	7.0	16	2.6	8.2	2.5	17
31	e7.6	---	e15	5.0	---	65	---	13	---	6.6	2.0	---
TOTAL	261.1	614.6	870.9	497.2	256.2	1,579	727.4	445.3	276.6	336.3	745.3	307.2
MEAN	8.42	20.5	28.1	16.0	9.15	50.9	24.2	14.4	9.22	10.8	24.0	10.2
MAX	40	50	135	70	29	198	69	53	25	34	142	47
MIN	1.3	5.4	7.0	5.0	4.5	12	7.0	4.7	2.6	2.3	2.0	2.0
CFSM	0.89	2.16	2.96	1.69	0.97	5.37	2.56	1.52	0.97	1.14	2.54	1.08
IN.	1.02	2.41	3.42	1.95	1.01	6.20	2.85	1.75	1.09	1.32	2.92	1.21

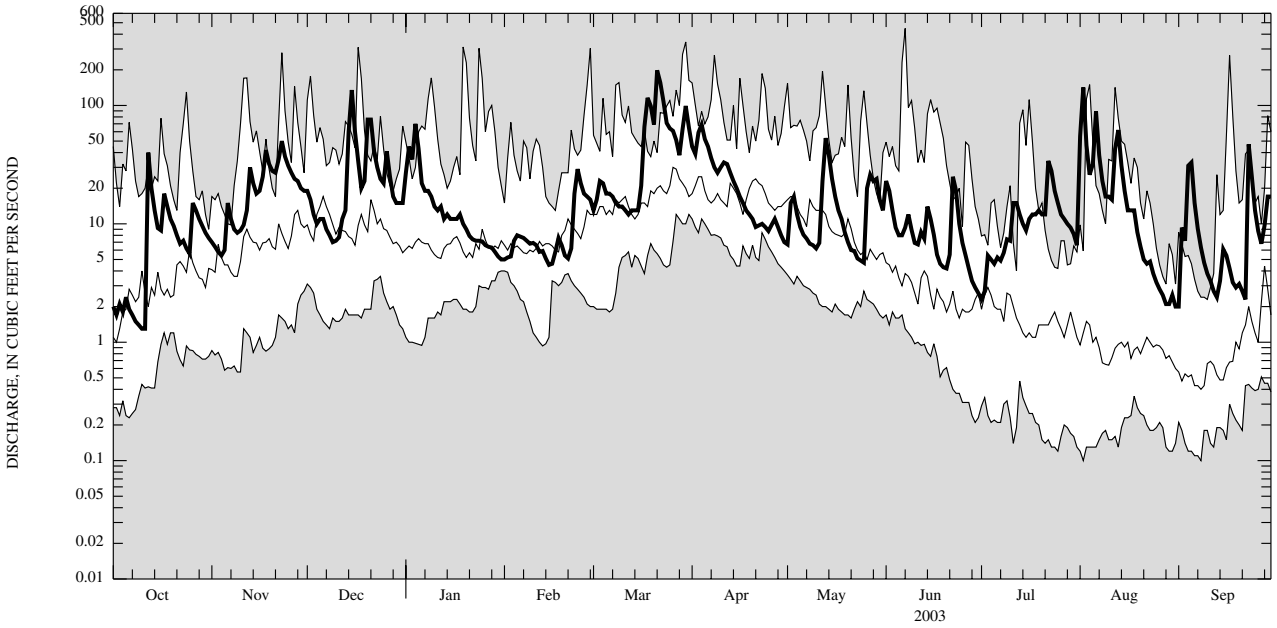
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2003, BY WATER YEAR (WY)

MEAN	6.89	12.9	16.4	15.4	12.2	28.4	27.9	15.6	11.3	4.24	5.74	4.46
MAX	20.5	26.5	39.2	40.1	29.7	50.9	52.7	41.7	47.9	14.8	29.7	22.7
(WY)	(2000)	(1992)	(1997)	(1996)	(2000)	(2003)	(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)

01360640 VALATIE KILL NEAR NASSAU, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1991 - 2003	
ANNUAL TOTAL	4,766.58		6,917.1			
ANNUAL MEAN	13.1		19.0		13.4	
HIGHEST ANNUAL MEAN					21.9	2000
LOWEST ANNUAL MEAN					7.45	1995
HIGHEST DAILY MEAN	231	Jun 6	198	Mar 21	448	Jun 7, 2000
LOWEST DAILY MEAN	0.19	Sep 12	1.3	Oct 10	0.10	Aug 2, 1991
ANNUAL SEVEN-DAY MINIMUM	0.25	Sep 9	1.6	Oct 5	0.13	Sep 2, 1995
ANNUAL RUNOFF (CFSM)	1.38		2.00		1.42	
ANNUAL RUNOFF (INCHES)	18.70		27.14		19.27	
10 PERCENT EXCEEDS	28		42		32	
50 PERCENT EXCEEDS	8.8		11		6.1	
90 PERCENT EXCEEDS	0.86		4.2		0.63	

e Estimated



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 current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,980 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 160 ft^3/s, Sept. 27, 2003, gage height, 3.31 ft, from rating curve extended above 60 ft^3/s on basis of flow-through-culvert analysis; minimum, no flow part or all of many days during 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 16	1845	107	2.88	Sep 4	0515	105	2.87
Aug 3	1800	112	2.92	Sep 23	1315	101	2.84
Aug 9	2315	110	2.90	Sep 27	2330	a*160	*3.31
Sep 2	0645	111	2.91				

a From rating curve extended as explained above.

Minimum discharge, 0.09 ft^3/s, Oct. 3, 4, gage height, 1.53 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.21	1.7	2.1	7.7	e0.30	1.6	21	1.9	61	0.82	2.4	3.5
2	0.15	1.6	1.8	10	e0.30	3.5	17	2.8	27	0.72	1.3	50
3	0.11	1.4	1.6	e3.9	0.31	e2.2	14	2.2	27	0.64	37	51
4	0.11	1.3	1.4	e3.7	1.3	e2.0	11	1.9	15	0.57	50	46
5	0.34	1.2	e1.2	e2.9	0.89	e1.9	8.5	1.9	8.1	0.49	48	50
6	0.36	2.5	e1.1	e2.5	0.63	e1.8	6.8	1.9	4.1	0.43	48	26
7	0.21	1.9	e1.0	e2.3	e0.58	e1.7	5.4	1.7	3.5	5.1	35	11
8	0.17	1.7	e0.90	e2.1	e0.56	e1.6	4.4	1.7	2.6	1.1	19	4.7
9	0.14	1.8	e0.86	e1.9	e0.52	e1.6	3.7	1.8	2.1	0.78	15	3.0
10	0.12	1.7	e0.82	e1.8	e0.50	e1.5	4.1	1.5	1.6	0.71	54	2.6
11	3.5	1.8	e0.80	e1.6	e0.47	e1.5	7.8	2.5	1.6	0.69	55	2.2
12	70	2.9	e0.80	e1.4	e0.45	1.5	16	3.2	2.3	0.65	47	1.9
13	35	4.1	0.81	e1.3	e0.44	1.4	18	2.5	10	0.55	50	1.9
14	31	3.5	3.2	e1.2	e0.43	1.3	15	2.5	7.4	0.49	33	2.2
15	13	3.4	2.2	e1.1	e0.42	1.4	11	2.4	5.3	0.43	15	4.7
16	36	3.2	1.8	e1.0	e0.41	3.0	9.7	2.2	3.6	0.46	7.4	2.6
17	29	35	1.6	e0.90	e0.40	16	8.2	2.0	2.6	0.43	5.2	2.2
18	44	37	1.6	e0.80	e0.39	35	6.1	1.7	2.2	0.38	3.8	2.0
19	21	18	1.5	e0.74	e0.38	32	4.8	1.5	1.9	0.35	2.8	38
20	8.6	12	20	e0.66	e0.37	41	3.9	1.3	2.0	0.31	2.2	37
21	4.4	12	35	e0.60	e0.41	76	3.2	1.3	2.7	0.29	1.8	16
22	3.1	29	32	e0.58	0.73	77	2.9	1.2	16	2.4	1.6	8.3
23	2.5	41	14	e0.50	3.0	19	2.4	1.1	11	1.0	1.4	55
24	2.1	24	6.3	e0.48	1.8	33	2.0	1.7	5.9	0.93	1.2	37
25	1.8	12	4.6	e0.46	1.6	35	1.8	1.7	3.3	0.90	1.0	35
26	4.5	7.0	3.3	e0.44	e1.5	38	2.7	8.8	2.2	0.75	0.94	21
27	2.9	4.7	2.6	e0.40	e1.4	32	2.4	9.3	1.8	0.70	0.86	25
28	2.5	3.4	e2.1	e0.37	e1.4	23	2.1	18	1.4	0.67	0.75	77
29	2.4	2.8	e1.9	e0.35	---	33	2.0	13	1.1	0.60	0.70	17
30	2.1	2.5	e1.7	e0.33	---	19	1.9	8.8	0.97	0.53	0.76	21
31	1.9	---	2.6	e0.31	---	31	---	14	---	0.47	0.66	---
TOTAL	323.22	276.1	153.19	54.32	21.89	569.5	219.8	120.0	237.27	25.34	542.77	654.8
MEAN	10.4	9.20	4.94	1.75	0.78	18.4	7.33	3.87	7.91	0.82	17.5	21.8
MAX	70	41	35	10	3.0	77	21	18	61	5.1	55	77
MIN	0.11	1.2	0.80	0.31	0.30	1.3	1.8	1.1	0.97	0.29	0.66	1.9
CFSM	6.77	5.98	3.21	1.14	0.51	11.9	4.76	2.51	5.14	0.53	11.4	14.2
IN.	7.81	6.67	3.70	1.31	0.53	13.76	5.31	2.90	5.73	0.61	13.11	15.82

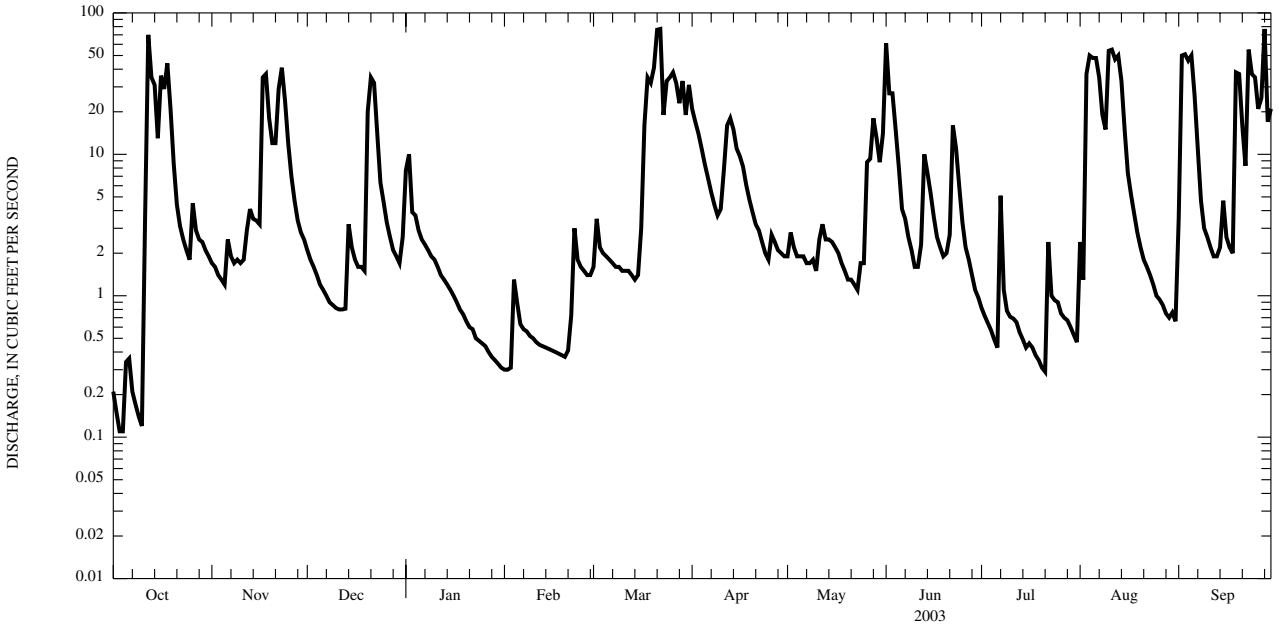
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	5.21	4.62	3.07	1.37	1.78	11.4	5.25	3.74	4.94	0.45	8.76	11.0
MAX	10.4	9.20	4.94	1.75	2.78	18.4	7.33	3.87	7.91	0.82	17.5	21.8
(WY)	(2003)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	0.000	0.030	1.20	1.00	0.78	4.40	3.18	3.60	1.97	0.091	0.019	0.14
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	1,271.44		3,198.20			
ANNUAL MEAN	3.48		8.76		5.14	
HIGHEST ANNUAL MEAN					8.76	2003
LOWEST ANNUAL MEAN					1.53	2002
HIGHEST DAILY MEAN	70	Oct 12	77	Mar 22	77	Mar 22, 2003
LOWEST DAILY MEAN	0.00	Jul 13	0.11	Oct 3	0.00	Oct 1, 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 22	0.21	Oct 3	0.00	Oct 1, 2001
ANNUAL RUNOFF (CFSM)	2.26		5.69		3.34	
ANNUAL RUNOFF (INCHES)	30.71		77.26		45.38	
10 PERCENT EXCEEDS	6.2		33		14	
50 PERCENT EXCEEDS	1.7		2.1		1.6	
90 PERCENT EXCEEDS	0.00		0.46		0.00	

e Estimated



CURRENT WATER YEAR DAILY MEAN 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, 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)
Oct 16	1900	236	4.11	Sep 4	0345	225	4.06
Mar 22	1430	292	4.35	Sep 23	0730	*321	*4.47
Mar 29	1630	243	4.14	Sep 28	0500	229	4.08
Sep 2	0615	271	4.26				

Minimum discharge, 1.9 ft^3/s, Oct. 10, gage height, 2.46 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	17	29	39	10	11	95	27	89	32	24	14
2	2.7	15	25	42	10	13	83	56	86	30	19	91
3	2.8	14	22	36	9.6	e13	72	48	73	28	22	54
4	2.7	14	19	36	e10	e12	66	48	61	26	30	136
5	3.0	13	18	32	11	12	61	47	55	25	27	104
6	2.5	19	16	31	13	13	56	45	45	23	27	82
7	2.3	16	15	28	7.5	e13	50	40	45	27	25	63
8	2.3	15	e13	27	e7.4	13	47	38	39	23	24	53
9	2.3	15	e13	e24	e7.6	13	49	38	33	23	23	45
10	2.1	15	e14	e23	e8.0	e13	50	33	30	21	26	37
11	4.9	16	e14	22	e8.0	e13	51	36	31	25	29	32
12	70	18	16	20	9.6	e12	55	48	34	25	51	29
13	39	23	15	e19	29	e12	55	41	43	28	67	28
14	28	21	22	e18	28	12	58	41	54	26	61	26
15	23	22	20	e17	22	13	62	39	53	22	53	42
16	88	23	18	e16	19	20	71	36	55	19	51	28
17	116	54	15	e16	28	49	65	34	51	10	44	24
18	80	62	15	e16	20	106	55	31	51	9.8	37	23
19	60	58	13	e16	8.8	117	50	29	48	8.0	32	38
20	46	56	57	e15	7.5	122	46	27	48	6.6	28	30
21	37	55	65	e15	7.4	232	43	27	52	8.7	25	28
22	31	68	60	e14	9.2	254	42	24	68	22	22	27
23	29	78	55	e13	14	208	38	23	64	17	19	139
24	25	68	44	e12	12	150	34	23	61	15	17	108
25	23	62	e40	e11	11	130	31	21	55	12	15	84
26	28	54	40	e10	32	129	33	27	49	11	14	64
27	23	48	33	e9.6	22	118	31	25	46	10	13	64
28	21	39	30	e9.2	11	102	29	29	41	9.5	12	152
29	19	35	29	e9.0	---	141	26	29	39	9.0	11	121
30	19	33	26	e8.8	---	153	25	29	36	8.5	11	98
31	18	---	29	8.8	---	114	---	37	---	8.1	10	---
TOTAL	853.7	1,046	840	613.4	392.6	2,333	1,529	1,076	1,535	568.2	869	1,864
MEAN	27.5	34.9	27.1	19.8	14.0	75.3	51.0	34.7	51.2	18.3	28.0	62.1
MAX	116	78	65	42	32	254	95	56	89	32	67	152
MIN	2.1	13	13	8.8	7.4	11	25	21	30	6.6	10	14
CFSM	2.20	2.79	2.17	1.58	1.12	6.02	4.08	2.78	4.09	1.47	2.24	4.97
IN.	2.54	3.11	2.50	1.83	1.17	6.94	4.55	3.20	4.57	1.69	2.59	5.55

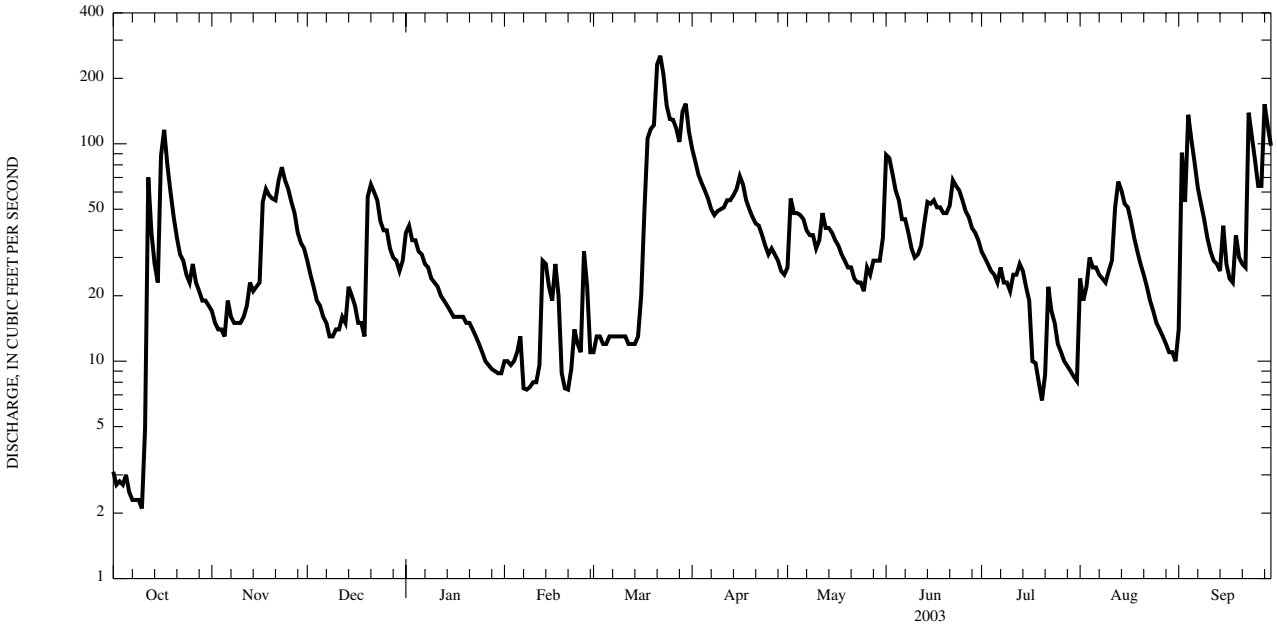
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	13.0	15.8	20.8	20.2	26.2	48.5	57.6	31.3	30.9	13.7	11.1	19.8
MAX	27.5	34.9	40.2	45.9	33.5	75.3	104	45.6	51.2	18.3	28.0	62.1
(WY)	(2003)	(2003)	(2001)	(1999)	(2002)	(2003)	(2001)	(2000)	(2003)	(2003)	(2003)	(2003)
MIN	3.36	3.56	5.20	8.63	14.0	20.8	35.8	17.7	10.4	7.02	2.77	3.24
(WY)	(2002)	(2002)	(1999)	(2002)	(2003)	(2001)	(1999)	(2001)	(1999)	(2002)	(2001)	(2002)

013621955 BIRCH CREEK AT BIG INDIAN, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	8,663.9		13,519.9			
ANNUAL MEAN	23.7		37.0		25.7	
HIGHEST ANNUAL MEAN					37.0	2003
LOWEST ANNUAL MEAN					17.7	2002
HIGHEST DAILY MEAN	116	Oct 17	254	Mar 22	319	Dec 17, 2000
LOWEST DAILY MEAN	1.9	Sep 13	2.1	Oct 10	1.9	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	2.1	Sep 9	2.5	Oct 4	2.1	Sep 9, 2002
ANNUAL RUNOFF (CFSM)	1.90		2.96		2.05	
ANNUAL RUNOFF (INCHES)	25.78		40.24		27.91	
10 PERCENT EXCEEDS	50		69		55	
50 PERCENT EXCEEDS	22		28		17	
90 PERCENT EXCEEDS	2.7		10		3.4	

e Estimated



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)
Oct 16	2045	2,110	7.11	Sep 2	0845	1,680	6.60
Mar 21	1830	1,940	6.92	Sep 4	0445	1,780	6.73
Mar 29	1845	1,440	6.30	Sep 23	1100	1,610	6.52
Aug 3	2145	1,150	5.90	Sep 28	0200	*2,280	*7.30

Minimum discharge, 17 ft^3/s, Oct. 3, 4, 5, 8, 9, 10, 11; minimum gage height, 3.09 ft, Oct. 4, 5, 8, 9, 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	94	144	171	e54	79	450	104	747	94	102	60
2	18	89	127	230	e52	e84	352	177	661	84	101	820
3	18	81	113	201	e50	e90	303	176	477	74	328	518
4	17	75	102	195	e54	e96	280	175	354	65	589	1,120
5	20	71	95	174	e58	e94	262	172	289	58	406	700
6	20	94	90	163	e56	94	239	166	243	54	343	445
7	19	90	84	149	e54	95	223	155	227	73	268	306
8	18	83	78	143	e52	92	211	149	205	75	215	244
9	17	81	73	139	e50	93	192	149	178	60	184	200
10	17	82	e70	128	e47	88	189	132	153	54	336	167
11	25	86	e72	115	e46	91	199	136	145	56	360	140
12	628	96	78	106	e44	87	231	178	137	49	441	118
13	486	131	70	100	e43	89	252	162	192	44	556	109
14	312	132	98	92	e42	82	265	162	221	40	359	105
15	232	134	99	e92	e42	85	269	157	215	37	277	188
16	700	139	91	e90	e42	108	294	150	205	45	239	146
17	979	271	84	e90	e42	224	275	142	189	38	215	124
18	554	395	80	e90	e42	605	240	131	180	37	201	111
19	375	353	82	e94	e42	709	212	119	160	33	174	212
20	283	312	298	e96	e44	639	192	109	157	31	146	235
21	217	287	536	e88	e45	1,690	177	108	171	33	124	209
22	178	327	418	e86	e48	1,670	167	98	263	104	111	187
23	153	420	329	e82	115	1,170	151	93	272	92	95	904
24	130	365	263	e80	90	783	134	96	254	76	81	712
25	115	315	236	e72	76	653	120	95	225	67	72	484
26	142	272	200	e68	99	686	126	133	197	58	67	353
27	129	235	168	e64	130	623	123	148	170	54	61	427
28	117	199	151	e62	96	511	111	182	146	50	54	1,730
29	112	177	137	e60	---	774	107	186	124	45	51	937
30	107	162	125	e56	---	860	102	180	107	42	51	621
31	99	---	129	e56	---	588	---	200	---	39	45	---
TOTAL	6,258	5,648	4,720	3,432	1,655	13,632	6,448	4,520	7,264	1,761	6,652	12,632
MEAN	202	188	152	111	59.1	440	215	146	242	56.8	215	421
MAX	979	420	536	230	130	1,690	450	200	747	104	589	1,730
MIN	17	71	70	56	42	79	102	93	107	31	45	60
CFSM	3.17	2.96	2.39	1.74	0.93	6.90	3.37	2.29	3.80	0.89	3.37	6.61
IN.	3.65	3.30	2.76	2.00	0.97	7.96	3.77	2.64	4.24	1.03	3.88	7.38

01362200 ESOPUS CREEK AT ALLABEN, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

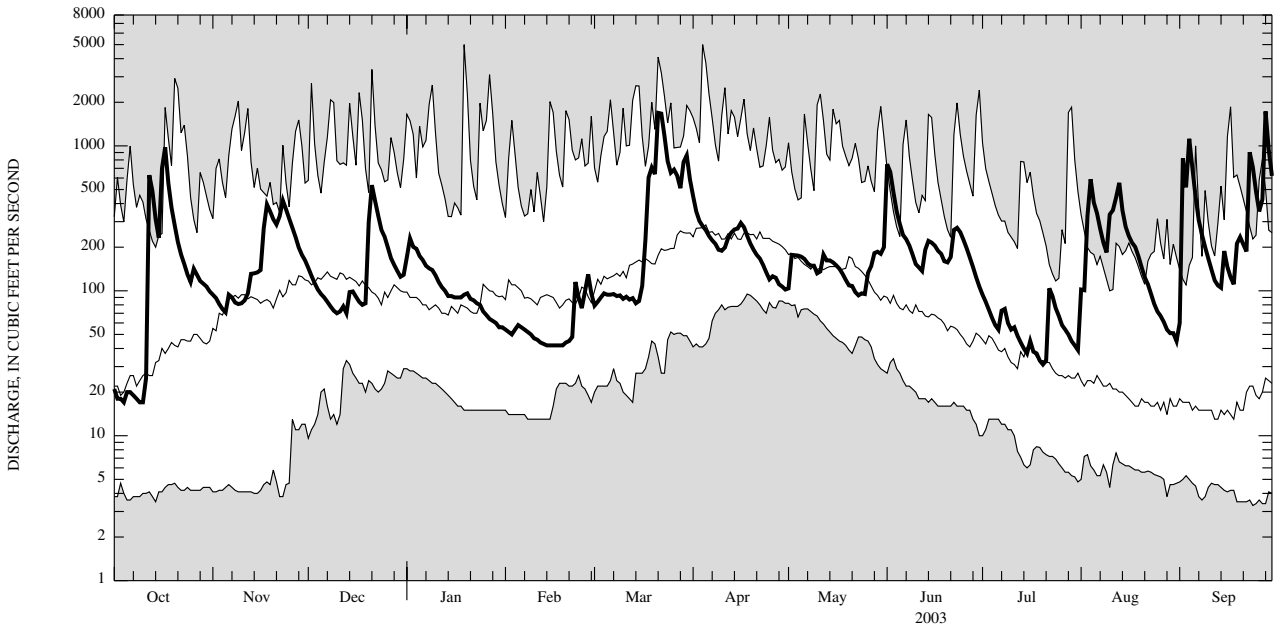
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	84.9	141	164	151	142	253	328	197	110	57.2	35.3	52.1
MAX	370	346	496	557	385	553	827	511	363	212	215	421
(WY)	(1978)	(1973)	(1974)	(1996)	(1981)	(1977)	(1993)	(1989)	(1973)	(1996)	(2003)	(2003)
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)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	45,986.1		74,622			
ANNUAL MEAN	126		204		143	
HIGHEST ANNUAL MEAN					224	1996
LOWEST ANNUAL MEAN					59.8	1965
HIGHEST DAILY MEAN	979	Oct 17	1,730	Sep 28	5,000	Apr 4, 1987
LOWEST DAILY MEAN	6.5	Aug 21	17	Oct 4	3.3	Sep 24, 1964
ANNUAL SEVEN-DAY MINIMUM	6.8	Aug 17	18	Oct 4	3.5	Sep 22, 1964
ANNUAL RUNOFF (CFSM)	1.98		3.21		2.24	
ANNUAL RUNOFF (INCHES)	26.86		43.58		30.45	
10 PERCENT EXCEEDS	281		447		312	
50 PERCENT EXCEEDS	104		131		80	
90 PERCENT EXCEEDS	9.5		48		14	

e Estimated



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

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), 2002-03 (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), 2002-03 (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), 2002-03 (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, 60 indicates a weighted-bottle sampler.

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT													
10...	1010	17	10	750	11.2	105	7.7	78	16.0	12.5	18	7.84	5.8
DEC													
06...	1110	100	10	744	13.8	100	7.0	44	2.0	2.0	11	4.74	5.3
FEB													
03...	1200	E50	60	733	14.4	99	6.3	61	9.0	0.0	10	7.91	5.5
APR													
03...	1120	300	10	737	12.6	99	6.5	54	6.0	5.0	6	6.08	4.9
03...	1121	300	10	--	--	--	--	--	--	--	--	6.24	4.9
JUN													
04...	1030	360	60	734	12.0	108	6.7	46	17.0	10.5	17	5.16	5.1
AUG													
06...	1120	372	10	731	10.5	104	6.8	42	25.5	14.5	12	3.65	4.6

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)
OCT							
10...	E.08	<0.04	E.04	<0.008	<0.02	0.007	0.9
DEC							
06...	<0.10	<0.04	0.14	<0.008	<0.02	E.004	0.6
FEB							
03...	E.09	<0.04	0.25	<0.008	<0.02	0.009	4
APR							
03...	E.05	<0.04	0.34	<0.008	<0.02	0.007	2
03...	<0.10	<0.04	0.34	<0.008	<0.02	0.006	2
JUN							
04...	E.06	<0.04	0.12	<0.008	<0.02	0.010	3
AUG							
06...	E.10	<0.04	0.12	<0.008	0.09	0.013	4

e Estimated daily
* Replicate
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. Datum of gage is 965.7 ft above NGVD of 1929 (from levels by New York State Department of Transportation).

REMARKS.--Records good except those for estimated daily discharges and those below 20 ft^3/s, which are fair. 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, 799 ft^3/s, Nov. 27, gage height, 5.33 ft; minimum discharge, 2.1 ft^3/s, part or all of each day Oct. 18, June 26-30, and several days in September, gage height, 1.96 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	364	760	756	189	201	3.4	75	137	159	344	98
2	134	438	762	652	189	202	3.5	75	77	159	321	32
3	134	438	757	322	190	202	3.5	75	2.5	197	323	2.4
4	270	437	758	190	190	202	3.5	75	2.4	237	212	3.1
5	424	437	756	191	189	203	3.4	89	2.4	237	5.1	2.6
6	407	436	756	175	189	203	3.4	108	99	235	5.1	2.4
7	298	436	750	146	188	203	3.3	144	346	288	59	2.2
8	166	436	749	147	189	203	3.4	199	347	351	74	2.2
9	165	436	748	147	188	202	3.4	239	192	349	2.5	2.1
10	164	436	745	147	189	202	3.5	237	2.7	349	2.7	2.1
11	163	438	745	146	190	202	3.5	237	2.6	349	2.6	15
12	170	438	741	146	199	203	3.6	239	2.5	348	2.5	51
13	195	439	740	160	199	203	3.4	238	2.6	348	2.5	65
14	204	440	742	183	199	203	3.3	239	2.6	347	2.4	65
15	207	441	740	184	199	203	3.3	239	2.4	347	2.3	33
16	158	441	740	184	199	204	3.3	240	2.3	347	2.4	e12
17	68	443	736	184	199	228	3.1	240	2.3	346	2.3	e27
18	2.2	447	738	184	200	379	3.1	239	2.3	390	2.3	29
19	2.2	452	734	184	200	461	3.1	239	2.3	456	2.3	2.4
20	2.2	456	737	184	201	358	3.1	240	2.2	454	2.2	2.1
21	74	564	747	184	200	39	3.1	241	2.3	401	2.2	2.1
22	217	733	751	184	200	4.4	3.1	241	2.5	324	13	2.1
23	264	739	755	183	201	4.0	3.1	242	2.3	288	29	3.0
24	265	739	756	184	202	3.7	3.0	243	2.2	287	29	2.4
25	266	752	756	185	202	3.6	19	243	2.2	288	46	2.3
26	267	768	756	184	201	3.6	52	241	2.2	287	74	2.2
27	270	765	756	185	201	3.5	52	242	2.1	286	90	3.1
28	281	764	757	185	201	3.4	62	243	2.1	285	96	3.8
29	298	764	758	185	---	3.6	75	198	2.1	285	97	2.8
30	298	765	753	188	---	3.6	75	135	70	324	97	2.3
31	299	---	758	189	---	3.5	---	136	---	353	97	---
TOTAL	6,267.6	16,082	23,237	6,648	5,483	4,742.9	414.4	6,111	1,322.1	9,701	2,042.4	476.7
MEAN	202	536	750	214	196	153	13.8	197	44.1	313	65.9	15.9
MAX	424	768	762	756	202	461	75	243	347	456	344	98
MIN	2.2	364	734	146	188	3.4	3.0	75	2.1	159	2.2	2.1

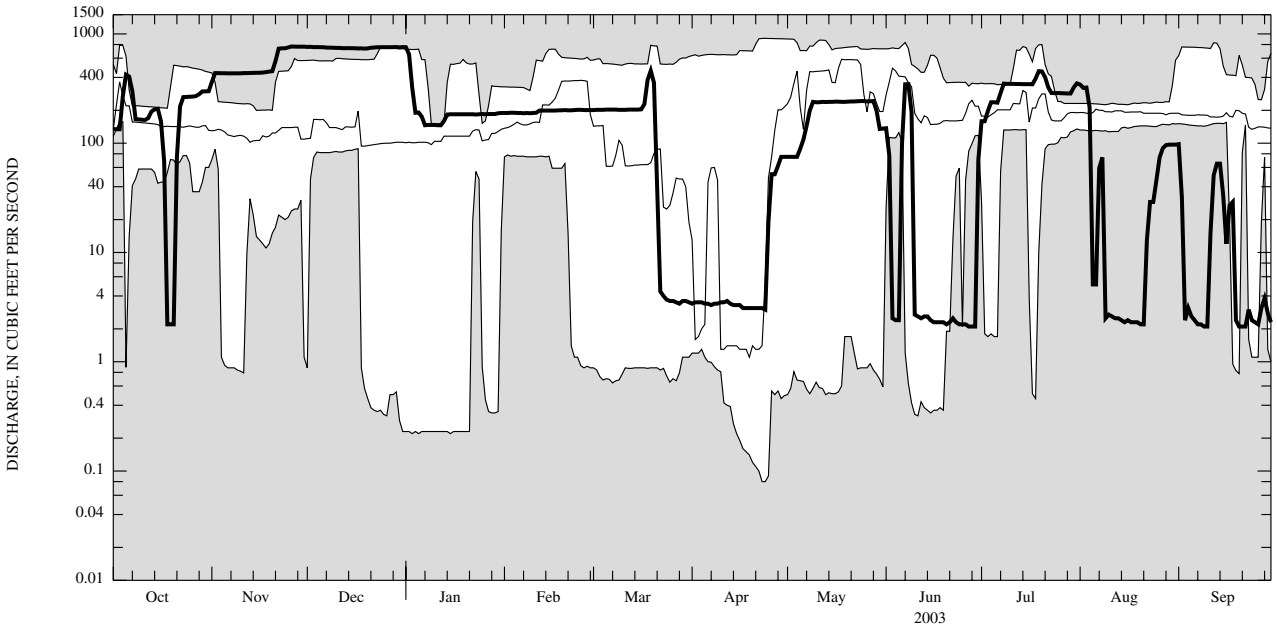
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	197	209	359	167	254	164	187	346	219	246	173	210
MAX	335	536	750	285	456	541	656	716	472	363	230	529
(WY)	(2001)	(2003)	(2003)	(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	44.1	133	65.9	15.9
(WY)	(2000)	(2002)	(2002)	(1997)	(1997)	(1997)	(1997)	(1997)	(2003)	(1999)	(2003)	(2003)

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	153,036.6		82,528.1			
ANNUAL MEAN	419		226		242	
HIGHEST ANNUAL MEAN					320	2002
LOWEST ANNUAL MEAN					199	2001
HIGHEST DAILY MEAN	768	Nov 26	768	Nov 26	913	Apr 24, 1999
LOWEST DAILY MEAN	2.2	Oct 18	2.1	Jun 27	0.08	Apr 23, 2001
ANNUAL SEVEN-DAY MINIMUM	73	Oct 15	2.2	Jun 23	0.10	Apr 19, 2001
10 PERCENT EXCEEDS	737		738		606	
50 PERCENT EXCEEDS	436		189		168	
90 PERCENT EXCEEDS	111		2.4		2.2	

e Estimated



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.--Interruption of record was due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 24.5°C, Aug. 6, 2002; minimum (water years 1998-99, 2002-03), 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, 18.5°C, Oct. 3, 4; minimum, 1.0°C, Dec. 30, Mar. 18, 19, 20.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.5	16.0	16.5	9.0	8.5	8.5	4.5	4.0	4.5	1.5	1.5	1.5
2	18.0	17.0	17.5	8.5	8.5	8.5	4.5	3.5	3.5	1.5	1.5	1.5
3	18.5	17.5	18.0	8.5	8.0	8.0	3.5	3.0	3.5	2.0	1.5	1.5
4	18.5	12.5	16.5	8.0	8.0	8.0	3.5	3.0	3.5	2.5	2.0	2.5
5	17.0	13.5	15.0	8.0	8.0	8.0	4.0	3.5	3.5	2.5	2.0	2.0
6	16.5	15.5	16.0	8.0	8.0	8.0	3.5	3.5	3.5	2.0	2.0	2.0
7	15.5	14.5	14.5	8.0	7.5	7.5	3.5	3.0	3.5	2.5	2.0	2.5
8	15.5	14.0	14.5	7.5	7.0	7.5	3.5	3.5	3.5	2.0	2.0	2.0
9	15.5	13.5	14.5	7.5	7.0	7.5	3.5	3.5	3.5	2.5	2.0	2.0
10	14.0	13.5	13.5	7.5	7.5	7.5	3.5	3.0	3.0	2.5	2.0	2.0
11	14.0	13.5	14.0	8.0	7.5	7.5	3.5	3.0	3.0	2.5	2.0	2.0
12	14.0	12.5	13.0	8.0	8.0	8.0	3.5	2.5	3.0	2.0	2.0	2.0
13	12.5	12.0	12.0	8.5	8.0	8.0	2.5	2.5	2.5	2.5	2.0	2.0
14	13.0	12.0	12.5	8.0	8.0	8.0	3.0	2.5	3.0	2.0	2.0	2.0
15	12.5	11.5	12.0	8.0	8.0	8.0	3.0	2.5	2.5	2.0	2.0	2.0
16	11.5	11.5	11.5	8.0	7.5	8.0	2.5	2.5	2.5	2.0	2.0	2.0
17	11.5	10.0	10.5	7.5	7.5	7.5	2.5	2.0	2.5	2.0	2.0	2.0
18	12.0	10.0	11.0	7.5	7.0	7.0	2.5	2.5	2.5	2.0	2.0	2.0
19	12.0	11.0	11.5	7.0	7.0	7.0	2.5	2.5	2.5	2.0	2.0	2.0
20	12.5	11.5	11.5	7.0	7.0	7.0	3.0	2.5	2.5	2.0	2.0	2.0
21	12.5	10.0	11.0	7.0	7.0	7.0	2.5	2.0	2.0	2.0	2.0	2.0
22	10.5	10.0	10.5	7.0	6.5	7.0	2.0	2.0	2.0	2.0	2.0	2.0
23	10.0	10.0	10.0	7.0	6.5	6.5	2.5	2.0	2.0	2.0	2.0	2.0
24	10.0	9.5	10.0	6.5	6.5	6.5	2.0	1.5	2.0	2.0	2.0	2.0
25	10.0	9.5	9.5	6.5	6.0	6.0	2.0	1.5	2.0	2.0	2.0	2.0
26	9.5	9.5	9.5	6.0	6.0	6.0	2.5	1.5	2.0	2.0	2.0	2.0
27	9.5	9.5	9.5	6.0	5.5	6.0	1.5	1.5	1.5	2.0	2.0	2.0
28	9.5	9.5	9.5	5.5	5.0	5.0	2.0	1.5	1.5	2.0	2.0	2.0
29	9.5	9.0	9.0	5.0	3.5	4.0	2.0	1.5	1.5	2.0	2.0	2.0
30	9.0	9.0	9.0	4.5	3.5	4.0	2.0	1.0	1.5	2.0	2.0	2.0
31	9.0	8.5	9.0	---	---	---	2.0	1.5	1.5	2.0	2.0	2.0
MONTH	18.5	8.5	12.3	9.0	3.5	7.1	4.5	1.0	2.6	2.5	1.5	2.0

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.0	2.0	2.0	1.5	1.5	1.5	4.5	4.0	4.5	6.5	6.5	6.5
2	2.0	2.0	2.0	1.5	1.5	1.5	5.5	4.5	5.0	7.5	6.0	7.0
3	2.0	2.0	2.0	1.5	1.5	1.5	5.0	5.0	5.0	8.0	6.5	7.0
4	2.0	2.0	2.0	1.5	1.5	1.5	5.0	4.5	5.0	7.0	6.5	6.5
5	2.0	2.0	2.0	1.5	1.5	1.5	5.0	4.0	5.0	7.5	7.0	7.0
6	2.0	2.0	2.0	1.5	1.5	1.5	6.0	4.5	5.0	8.5	6.5	7.5
7	2.0	2.0	2.0	1.5	1.5	1.5	5.5	4.5	5.0	8.5	7.5	7.5
8	2.0	2.0	2.0	1.5	1.5	1.5	5.5	4.5	5.0	8.0	7.0	7.5
9	2.0	2.0	2.0	1.5	1.5	1.5	5.5	5.0	5.5	9.0	8.0	8.5
10	2.0	2.0	2.0	1.5	1.5	1.5	6.5	5.0	5.5	9.0	7.5	8.0
11	2.0	2.0	2.0	1.5	1.5	1.5	6.0	5.5	5.5	9.0	7.5	8.5
12	2.0	1.5	2.0	1.5	1.5	1.5	7.0	5.5	6.0	9.5	7.5	8.5
13	2.0	1.5	2.0	1.5	1.5	1.5	6.5	5.5	5.5	9.0	7.5	8.5
14	2.0	1.5	2.0	1.5	1.5	1.5	7.0	5.5	6.0	8.5	8.0	8.0
15	2.0	1.5	2.0	1.5	1.5	1.5	7.0	5.5	6.0	9.0	8.0	8.5
16	2.0	1.5	1.5	1.5	1.5	1.5	6.5	5.5	6.0	9.5	8.0	8.5
17	2.0	1.5	2.0	1.5	1.5	1.5	6.5	5.5	6.0	9.0	8.0	8.5
18	2.0	1.5	2.0	1.5	1.0	1.5	6.0	5.5	5.5	9.0	7.5	8.5
19	2.0	1.5	2.0	1.5	1.0	1.0	7.0	5.5	6.0	9.5	8.5	9.0
20	2.0	1.5	1.5	1.5	1.0	1.5	7.0	5.5	6.0	9.5	8.0	8.5
21	2.0	1.5	1.5	3.0	1.5	2.0	7.0	6.0	6.0	10.0	8.0	9.0
22	1.5	1.5	1.5	4.0	2.5	3.0	6.5	6.0	6.0	9.5	7.5	8.5
23	1.5	1.5	1.5	3.5	3.0	3.5	6.0	6.0	6.0	9.5	8.5	9.0
24	1.5	1.5	1.5	5.0	3.5	3.5	7.0	6.0	6.0	9.5	8.0	8.5
25	1.5	1.5	1.5	5.0	3.5	4.0	7.0	5.5	6.0	9.5	8.5	9.0
26	2.0	1.5	1.5	4.5	4.0	4.0	6.5	5.5	6.0	10.0	8.0	9.0
27	1.5	1.5	1.5	5.0	4.0	4.5	6.5	6.0	6.0	9.0	8.5	9.0
28	1.5	1.5	1.5	5.5	4.0	4.5	7.0	6.0	6.5	10.0	9.0	9.0
29	---	---	---	5.0	4.5	4.5	7.0	6.0	6.0	10.0	8.0	9.0
30	---	---	---	4.5	4.0	4.5	8.0	6.5	7.0	9.5	8.0	8.5
31	---	---	---	5.5	4.0	4.5	---	---	---	9.5	7.5	8.5
MONTH	2.0	1.5	1.8	5.5	1.0	2.3	8.0	4.0	5.7	10.0	6.0	8.2
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.5	8.0	8.5	10.0	9.0	9.5	15.0	11.5	13.0	12.5	10.5	11.5
2	8.5	8.0	8.0	10.5	8.0	9.0	14.0	12.0	13.5	13.0	11.5	12.0
3	9.0	8.0	8.5	10.5	9.0	9.5	14.0	12.5	13.5	11.5	11.5	11.5
4	8.5	8.5	8.5	10.5	9.0	10.0	15.5	11.5	13.0	12.0	11.0	11.5
5	9.0	8.5	8.5	10.5	9.0	9.5	12.0	11.5	11.5	12.0	11.0	11.0
6	10.0	7.5	9.0	11.0	9.0	10.0	11.5	11.5	11.5	12.0	10.5	11.0
7	11.0	9.0	10.0	11.0	9.0	10.0	11.5	9.0	11.0	11.5	10.5	11.0
8	10.5	9.5	9.5	11.0	10.0	10.5	11.5	11.0	11.5	12.0	10.5	11.0
9	10.5	9.5	10.0	11.0	10.0	10.5	12.0	11.0	11.5	11.5	10.5	10.5
10	10.5	9.5	9.5	11.5	10.5	10.5	12.5	11.0	11.5	11.5	10.0	10.5
11	9.5	9.0	9.5	11.5	10.0	11.0	11.5	11.0	11.0	11.5	9.5	10.5
12	9.5	9.0	9.5	12.0	10.0	11.0	11.5	11.0	11.0	12.0	9.5	10.5
13	9.5	9.0	9.5	12.0	10.0	11.0	12.0	11.0	11.5	13.0	11.5	12.0
14	10.0	9.0	9.5	12.0	10.5	11.5	12.5	11.0	11.5	12.5	11.0	12.0
15	10.5	9.0	9.0	12.0	10.0	11.0	12.5	11.0	11.0	13.0	11.0	12.0
16	10.0	9.0	9.0	12.0	10.0	11.5	13.0	11.0	11.0	---	---	---
17	10.0	9.0	9.0	12.5	10.5	11.5	12.5	11.0	11.0	---	---	---
18	9.0	9.0	9.0	12.5	11.0	11.5	12.5	10.5	11.0	12.5	10.0	11.0
19	10.5	9.0	9.0	13.5	11.5	12.0	13.0	10.5	11.0	12.0	10.0	11.0
20	9.0	9.0	9.0	13.0	11.5	12.5	13.0	10.5	11.0	12.0	10.5	11.0
21	9.0	9.0	9.0	13.0	11.5	12.0	12.5	10.5	11.0	12.5	10.5	11.0
22	9.0	9.0	9.0	12.5	11.0	11.5	13.0	9.5	10.5	11.5	10.5	11.0
23	10.5	8.5	9.0	12.0	11.0	11.5	10.5	9.0	9.5	12.0	10.5	11.0
24	11.0	9.0	9.5	12.5	10.0	11.0	10.5	9.0	9.5	12.0	10.5	10.5
25	11.5	9.0	9.5	13.0	10.5	11.5	12.0	9.0	10.0	11.5	10.5	10.5
26	13.5	9.0	10.0	12.5	10.5	12.0	12.5	9.5	10.5	11.5	10.5	11.0
27	12.5	9.0	10.0	13.5	10.5	12.0	12.5	10.0	11.0	12.0	10.5	11.0
28	10.5	8.5	9.0	13.5	10.0	12.0	12.5	11.5	12.0	11.5	10.5	11.0
29	10.0	8.5	9.0	13.0	10.5	12.0	13.5	9.5	11.5	11.0	10.0	10.5
30	9.5	7.5	9.0	14.0	10.5	12.5	12.5	10.5	11.0	11.5	10.0	10.0
31	---	---	---	14.0	12.5	13.0	13.0	10.5	12.0	---	---	---
MONTH	13.5	7.5	9.2	14.0	8.0	11.1	15.5	9.0	11.3	---	---	---

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.--Records fair except those below 1.0 ft^3/s and those for estimated daily discharge, which are 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)
Mar 21	2000	57	2.93	Sep 28	0115	*60	*2.95
Sep 23	1345	41	2.79				

Minimum discharge, 0.54 ft^3/s, Oct. 2; minimum gage height not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.63	4.9	3.9	5.0	e1.7	2.0	15	6.2	18	3.2	2.8	2.3
2	0.62	4.5	3.5	5.0	e1.7	e2.1	12	6.5	22	2.8	3.0	5.7
3	0.69	4.0	3.3	5.1	1.7	e2.2	10	7.1	17	2.5	6.2	5.8
4	0.75	3.7	3.0	5.2	2.0	e2.3	9.5	7.1	14	2.4	15	26
5	1.1	3.4	2.9	4.8	1.7	2.4	9.0	6.5	12	2.2	12	17
6	1.0	3.8	2.8	4.6	1.9	2.4	8.2	5.8	10	2.0	13	13
7	1.2	3.4	2.6	4.4	1.7	e2.4	7.6	5.2	9.4	2.0	11	10
8	1.2	3.3	2.5	4.3	e1.6	2.3	7.0	4.7	8.5	1.8	9.0	8.6
9	1.2	3.2	2.4	4.1	e1.5	2.2	6.4	4.3	7.6	1.8	8.1	7.1
10	1.3	3.2	2.3	3.9	1.5	e2.1	6.1	3.8	6.7	1.6	18	6.1
11	2.3	3.3	2.2	3.6	e1.5	e2.1	6.2	3.8	6.1	1.7	26	5.3
12	19	3.6	2.2	3.4	e1.5	2.0	7.7	4.4	5.5	1.5	28	4.7
13	20	4.3	2.1	3.2	e1.5	2.0	11	5.0	6.0	1.5	21	4.6
14	16	5.1	2.4	3.0	1.5	1.9	11	5.2	6.6	1.3	16	8.0
15	12	5.2	2.2	2.9	1.5	2.0	11	4.8	7.1	1.2	12	24
16	17	5.0	2.2	2.8	1.6	2.3	14	4.3	7.0	1.6	9.7	24
17	27	6.1	2.2	e2.7	1.8	6.7	14	3.6	6.5	1.2	8.1	18
18	17	7.4	2.2	e2.6	1.5	20	11	2.9	6.0	1.2	6.9	14
19	13	8.1	2.2	e2.5	1.4	22	9.1	2.6	5.3	1.1	5.9	14
20	10	7.9	6.0	e2.4	1.4	19	8.1	2.4	4.9	0.99	5.0	13
21	8.9	7.5	13	2.3	1.4	45	7.5	2.3	4.9	1.1	4.4	12
22	7.9	9.6	12	e2.2	1.6	50	7.2	2.0	7.0	2.1	4.0	10
23	7.1	14	10	e2.1	1.9	38	6.9	1.9	8.3	1.7	3.6	29
24	6.4	13	9.0	e2.1	1.8	27	6.5	2.0	8.0	1.8	3.3	26
25	5.8	10	8.3	e2.0	e1.8	23	5.6	1.9	7.0	1.8	3.0	20
26	6.8	8.2	7.0	e1.9	e1.9	26	5.9	4.0	6.0	1.9	2.9	16
27	7.0	6.5	5.9	e1.9	e2.0	23	6.2	7.6	5.2	1.9	2.6	14
28	7.0	5.3	5.4	e1.8	2.0	19	6.7	8.9	4.4	1.7	2.4	43
29	6.6	4.8	4.9	e1.8	---	25	6.7	8.6	3.9	1.6	2.3	29
30	6.1	4.4	4.5	e1.8	---	33	6.5	8.1	3.5	1.5	2.2	21
31	5.5	---	4.5	e1.7	---	21	---	8.6	---	1.4	2.0	---
TOTAL	238.09	176.7	139.6	97.1	46.6	432.4	259.6	152.1	244.4	54.09	269.4	451.2
MEAN	7.68	5.89	4.50	3.13	1.66	13.9	8.65	4.91	8.15	1.74	8.69	15.0
MAX	27	14	13	5.2	2.0	50	15	8.9	22	3.2	28	43
MIN	0.62	3.2	2.1	1.7	1.4	1.9	5.6	1.9	3.5	0.99	2.0	2.3
CFSM	3.94	3.02	2.31	1.61	0.85	7.15	4.44	2.52	4.18	0.89	4.46	7.71
IN.	4.54	3.37	2.66	1.85	0.89	8.25	4.95	2.90	4.66	1.03	5.14	8.61

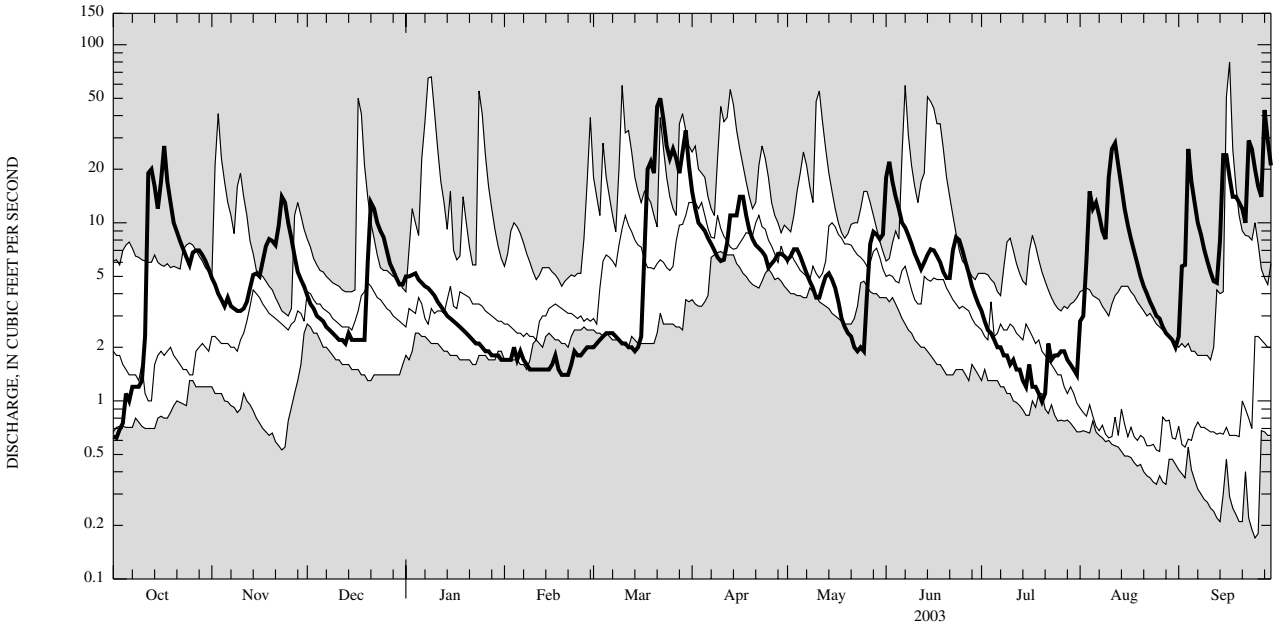
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	3.45	4.54	4.13	5.63	3.66	10.1	10.7	7.44	7.38	2.34	2.51	4.83
MAX	7.68	8.17	7.61	12.5	5.39	13.9	18.4	13.8	12.7	3.96	8.69	15.0
(WY)	(2003)	(2000)	(2001)	(1998)	(1999)	(2003)	(2001)	(1998)	(2000)	(1998)	(2003)	(2003)
MIN	1.06	1.02	1.69	2.10	1.66	2.44	8.27	4.39	2.14	1.02	0.55	0.40
(WY)	(1998)	(2002)	(1999)	(2002)	(2003)	(2001)	(2002)	(2001)	(1999)	(2002)	(2002)	(2002)

01362342 HOLLOW TREE BROOK AT LANESVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	1,622.31		2,561.28			
ANNUAL MEAN	4.44		7.02		5.56	
HIGHEST ANNUAL MEAN					7.02	2003
LOWEST ANNUAL MEAN					3.42	2002
HIGHEST DAILY MEAN	27	Oct 17	50	Mar 22	80	Sep 17, 1999
LOWEST DAILY MEAN	0.17	Sep 25	0.62	Oct 2	0.17	Sep 25, 2002
ANNUAL SEVEN-DAY MINIMUM	0.23	Sep 20	0.86	Oct 1	0.23	Sep 20, 2002
ANNUAL RUNOFF (CFSM)	2.28		3.60		2.85	
ANNUAL RUNOFF (INCHES)	30.95		48.86		38.73	
10 PERCENT EXCEEDS	9.2		17		12	
50 PERCENT EXCEEDS	3.7		4.8		3.4	
90 PERCENT EXCEEDS	0.49		1.6		0.82	

e Estimated



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.

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 600 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 12	1000	921	4.38	Sep 2	0630	616	4.05
Oct 16	2045	680	4.13	Sep 4	0545	880	4.34
Mar 21	1745	1,230	4.66	Sep 14	1915	1,430	4.82
Mar 29	1915	769	4.23	Sep 23	0930	1,990	5.24
Aug 3	2045	640	4.08	Sep 28	0000	a*3,980	*6.50

a From rating curve extended as explained above.

Minimum discharge, 10 ft^3/s, Oct. 2, 3, 4; minimum gage height, 2.27 ft, Oct. 3, 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	55	76	101	29	e38	211	75	342	42	51	29
2	12	52	67	138	28	e42	180	87	296	38	49	273
3	11	47	61	110	26	e42	160	82	217	34	215	165
4	11	44	e56	101	e30	e40	149	79	179	31	364	564
5	14	42	53	90	e28	43	137	76	146	28	284	295
6	13	66	48	83	e26	43	119	73	116	26	240	181
7	13	58	e46	76	e24	e42	108	68	106	34	180	126
8	12	52	42	73	e23	42	98	65	92	32	137	94
9	12	50	39	70	e22	44	87	64	79	28	123	73
10	11	48	e37	65	e21	e44	91	57	71	25	323	62
11	20	50	e36	59	e20	e44	128	67	69	29	336	54
12	601	57	e40	56	e20	e39	201	88	65	25	394	47
13	356	79	43	e52	e20	e36	232	78	113	22	349	50
14	224	81	79	e49	e20	e36	212	75	120	20	233	276
15	149	81	72	e45	e19	e36	193	72	104	19	165	565
16	265	82	62	e44	e19	62	209	71	90	24	127	383
17	384	180	55	e42	e18	172	191	66	79	19	101	252
18	227	234	e52	e41	e17	415	151	60	75	19	79	179
19	170	191	e50	e39	e17	419	124	55	70	17	70	213
20	127	176	146	e38	e17	392	105	50	69	15	58	178
21	94	168	237	e36	e16	1,110	93	52	72	20	49	142
22	77	198	196	e35	e26	885	91	47	135	60	48	118
23	67	266	168	e33	e200	530	82	44	136	41	42	840
24	57	220	135	e32	e150	342	73	55	109	37	36	450
25	52	188	121	e32	e54	288	66	54	89	34	33	288
26	83	162	103	e31	e47	297	93	120	76	30	32	217
27	80	136	88	e30	e44	268	99	155	67	28	30	241
28	74	111	79	29	e40	228	90	149	57	24	26	1,210
29	70	96	72	29	---	375	85	138	51	22	25	428
30	64	87	65	28	---	407	79	116	46	20	26	259
31	59	---	68	28	---	271	---	125	---	19	22	---
TOTAL	3,422	3,357	2,492	1,715	1,021	7,072	3,937	2,463	3,336	862	4,247	8,252
MEAN	110	112	80.4	55.3	36.5	228	131	79.5	111	27.8	137	275
MAX	601	266	237	138	200	1,110	232	155	342	60	394	1,210
MIN	11	42	36	28	16	36	66	44	46	15	22	29
CFSM	3.50	3.55	2.55	1.76	1.16	7.24	4.17	2.52	3.53	0.88	4.35	8.73
IN.	4.04	3.96	2.94	2.03	1.21	8.35	4.65	2.91	3.94	1.02	5.02	9.75

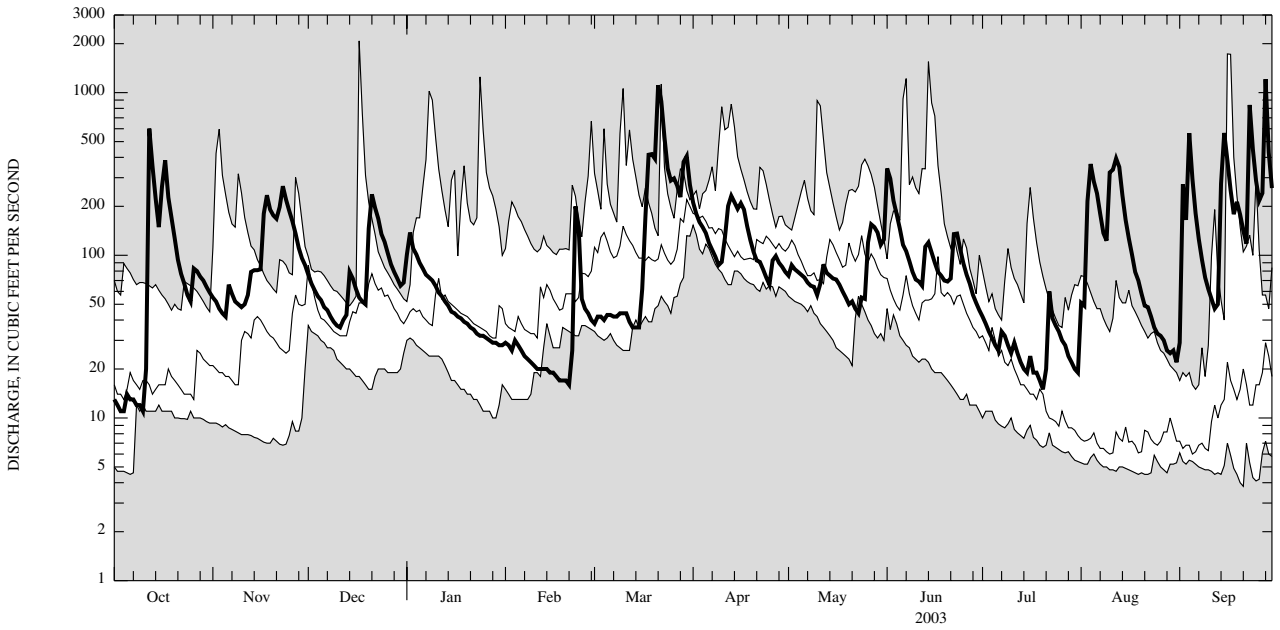
01362380 STONY CLOVE CREEK NEAR PHOENICIA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)												
MEAN	39.6	69.8	71.8	92.9	66.8	154	152	113	99.5	26.2	31.0	77.2
MAX	110	126	158	228	110	228	290	187	219	60.1	137	275
(WY)	(2003)	(1998)	(2001)	(1999)	(1999)	(2003)	(2001)	(1998)	(2000)	(2000)	(2003)	(2003)
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	24,485.6		42,176			
ANNUAL MEAN	67.1		116		86.2	
HIGHEST ANNUAL MEAN					116	2003
LOWEST ANNUAL MEAN					47.9	2002
HIGHEST DAILY MEAN	601	Oct 12	1,210	Sep 28	2,080	Dec 17, 2000
LOWEST DAILY MEAN	3.8	Sep 21	11	Oct 3	3.8	Sep 21, 2002
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 17	12	Oct 2	4.6	Aug 17, 2002
ANNUAL RUNOFF (CFSM)	2.13		3.67		2.74	
ANNUAL RUNOFF (INCHES)	28.92		49.81		37.20	
10 PERCENT EXCEEDS	144		265		188	
50 PERCENT EXCEEDS	57		70		48	
90 PERCENT EXCEEDS	5.6		23		8.5	

e Estimated



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. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 303 ft^3/s, Aug. 3, 2003, gage height, 4.91 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 25 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 12	0700	28	2.53	Sep 2	0545	74	3.20
Mar 20	2345	41	2.74	Sep 4	0145	43	2.77
Aug 3	1445	a*303	*4.91	Sep 14	1815	34	2.61
Aug 9	2315	36	2.65	Sep 23	0715	76	3.22

a From rating curve extended as explained above.

Minimum discharge, 0.07 ft^3/s, July 20, 21, gage height, 1.36 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	1.1	1.4	3.7	e0.44	0.75	3.2	1.2	8.4	0.39	1.5	1.5
2	0.13	0.99	1.2	4.6	e0.44	4.7	2.9	2.0	4.3	0.33	0.86	15
3	0.14	0.92	0.99	2.4	0.48	1.4	2.5	1.6	3.4	0.29	24	7.6
4	0.27	0.83	0.85	2.1	e1.2	0.96	2.6	1.3	2.8	0.24	14	15
5	0.78	0.76	0.84	1.8	e0.70	1.0	2.2	1.2	2.4	0.19	8.4	6.4
6	0.40	3.2	0.84	1.7	0.69	1.1	2.2	1.2	1.9	0.16	6.0	3.7
7	0.37	1.7	0.79	1.6	0.60	0.90	1.9	1.1	2.4	0.28	3.7	2.5
8	0.32	1.3	0.75	1.5	0.52	0.87	1.7	1.1	2.0	0.25	2.6	1.9
9	0.27	1.1	e0.68	e1.4	0.47	0.93	1.6	1.3	1.8	0.29	5.3	1.5
10	0.31	1.1	e0.64	e1.3	0.44	0.80	2.2	1.0	1.4	0.23	9.9	1.2
11	2.6	1.2	0.70	e1.2	0.42	0.70	4.4	2.2	1.3	0.52	7.3	1.0
12	15	1.9	3.6	e1.1	0.40	0.82	4.3	2.7	1.5	0.28	5.6	0.86
13	7.5	2.2	1.6	e1.0	0.36	0.91	3.1	1.8	7.4	0.19	3.5	1.3
14	4.4	1.5	4.4	e0.90	0.33	0.79	2.8	1.5	4.2	0.16	2.3	5.5
15	2.9	1.4	2.5	e0.80	0.32	0.97	2.5	1.4	2.9	0.13	1.7	4.6
16	4.8	1.5	1.9	e0.74	0.29	2.9	2.2	1.3	2.4	0.16	1.4	3.9
17	3.6	7.7	1.5	e0.70	0.28	6.2	1.9	1.2	1.9	0.12	2.2	2.6
18	2.4	5.9	1.3	e0.64	0.30	9.2	1.7	1.0	1.9	0.12	2.4	2.1
19	1.9	4.0	1.3	e0.60	0.31	7.5	1.5	0.92	1.6	0.11	1.6	4.1
20	1.6	3.7	5.2	e0.58	0.33	11	1.4	0.79	1.7	0.09	1.2	2.6
21	1.3	3.2	3.5	e0.56	0.34	18	1.3	1.3	2.0	0.13	0.97	1.8
22	1.1	4.6	2.9	e0.54	e1.5	11	1.3	0.98	4.3	0.94	1.2	1.7
23	1.0	4.6	2.5	e0.52	e1.0	7.1	1.2	0.95	2.3	0.49	0.97	23
24	0.92	3.4	2.1	e0.50	e0.90	5.0	1.1	1.7	1.5	1.5	0.71	8.8
25	0.86	2.9	e1.9	e0.50	e0.86	3.9	1.0	1.5	1.1	0.69	0.63	5.7
26	4.7	2.5	e1.7	e0.49	e0.82	3.4	2.8	6.0	0.86	0.30	0.62	3.9
27	2.2	2.2	1.5	e0.48	e0.80	2.9	2.0	3.5	0.71	0.21	0.56	3.2
28	1.6	1.9	1.4	e0.47	0.78	2.4	1.5	4.0	0.57	0.17	0.45	9.7
29	1.4	1.7	1.3	e0.46	---	5.7	1.3	3.3	0.55	0.14	0.46	5.9
30	1.3	1.6	1.2	e0.45	---	4.9	1.2	2.5	0.49	0.12	0.53	4.1
31	1.2	---	1.6	e0.44	---	3.8	---	3.4	---	0.11	0.44	---
TOTAL	67.41	72.60	54.58	35.77	16.32	122.50	63.5	56.94	71.98	9.33	113.00	152.66
MEAN	2.17	2.42	1.76	1.15	0.58	3.95	2.12	1.84	2.40	0.30	3.65	5.09
MAX	15	7.7	5.2	4.6	1.5	18	4.4	6.0	8.4	1.5	24	23
MIN	0.13	0.76	0.64	0.44	0.28	0.70	1.0	0.79	0.49	0.09	0.44	0.86
CFSM	2.22	2.47	1.80	1.18	0.59	4.03	2.16	1.87	2.45	0.31	3.72	5.19
IN.	2.56	2.76	2.07	1.36	0.62	4.65	2.41	2.16	2.73	0.35	4.29	5.79

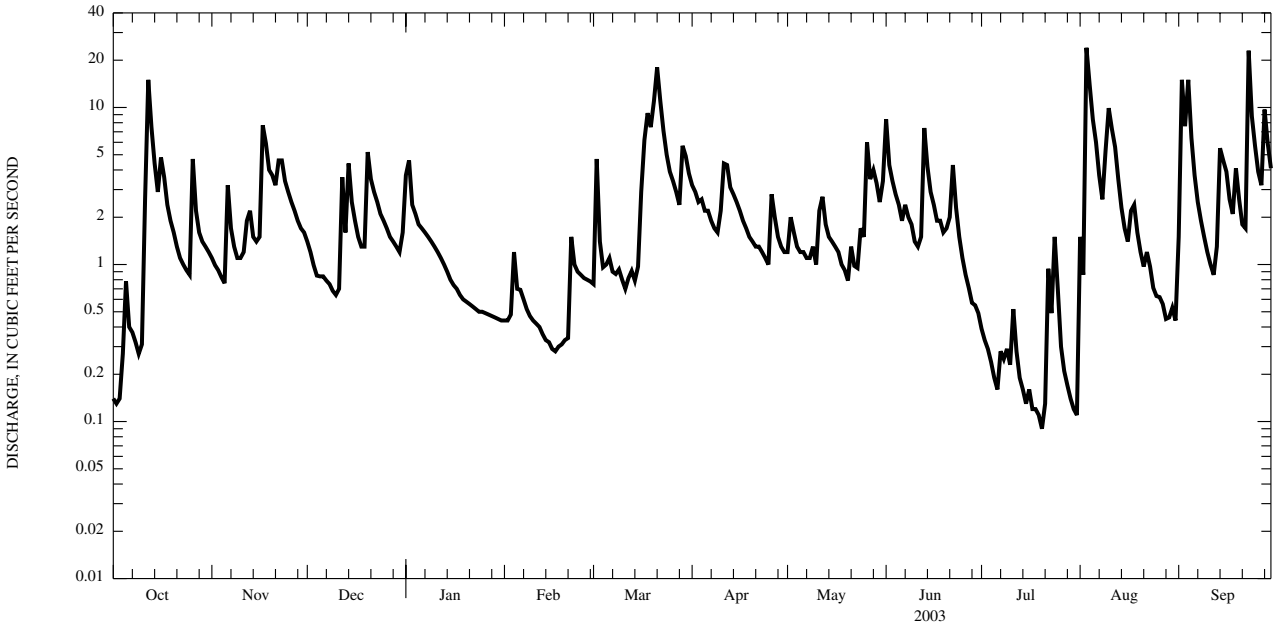
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	0.91	1.32	2.12	0.70	0.73	2.67	2.75	1.72	1.48	0.16	1.25	1.47
MAX	2.17	2.42	4.01	1.15	0.97	3.95	4.26	2.28	2.40	0.30	3.65	5.09
(WY)	(2003)	(2003)	(2001)	(2003)	(2002)	(2003)	(2001)	(2002)	(2003)	(2003)	(2003)	(2003)
MIN	0.069	0.13	0.59	0.45	0.58	1.95	1.87	1.05	0.80	0.054	0.020	0.13
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(2001)	(2002)	(2001)	(2002)	(2002)	(2002)	(2001)

01362465 BEAVER KILL TRIBUTARY ABOVE LAKE HILL, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	460.27		836.59			
ANNUAL MEAN	1.26		2.29		1.47	
HIGHEST ANNUAL MEAN					2.29	2003
LOWEST ANNUAL MEAN					0.79	2002
HIGHEST DAILY MEAN	15	Oct 12	24	Aug 3	57	Dec 17, 2000
LOWEST DAILY MEAN	0.00	Aug 13	0.09	Jul 20	0.00	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 13	0.12	Jul 15	0.00	Aug 13, 2002
ANNUAL RUNOFF (CFSM)	1.29		2.34		1.50	
ANNUAL RUNOFF (INCHES)	17.47		31.76		20.37	
10 PERCENT EXCEEDS	2.9		4.8		3.5	
50 PERCENT EXCEEDS	0.91		1.4		0.74	
90 PERCENT EXCEEDS	0.03		0.33		0.05	

e Estimated



CURRENT WATER YEAR DAILY MEAN 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)
Oct 12	0800	625	5.43	Sep 23	0915	*784	*5.54
Mar 21	0130	507	5.09				

Minimum discharge, 1.8 ft^3/s, July 31, gage height, 1.91 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	24	28	69	e11	42	72	20	185	13	8.7	5.7
2	4.7	21	24	149	e11	69	64	31	114	12	9.4	169
3	3.5	19	e23	94	11	e50	56	29	82	9.6	34	102
4	4.5	17	e22	83	43	e40	58	26	68	8.2	38	236
5	9.2	16	20	68	30	e34	54	23	59	7.5	21	108
6	6.6	59	e19	60	e15	e30	49	21	48	6.5	25	64
7	5.8	44	e19	54	e14	e28	44	19	49	12	21	46
8	5.4	33	e19	50	e13	e26	40	19	49	13	16	32
9	4.7	29	e18	51	e12	e25	36	19	40	10	15	25
10	4.4	28	e18	50	e11	e24	41	16	31	9.3	60	19
11	30	27	e17	43	e10	e24	71	29	26	11	63	16
12	477	33	e17	40	e9.6	22	114	48	28	9.4	94	14
13	261	53	e17	e34	e9.4	e22	79	32	223	7.5	66	16
14	129	40	86	e28	e9.2	22	65	26	174	6.3	44	48
15	77	37	87	e26	e9.0	23	56	24	105	5.4	30	67
16	114	39	76	e24	e8.8	39	50	22	72	5.0	22	56
17	114	205	61	e22	e8.6	100	41	20	55	4.5	18	36
18	76	214	52	e22	e8.4	159	35	18	48	4.2	16	26
19	61	129	44	e20	e8.4	130	31	16	41	4.0	14	43
20	52	95	138	e20	e8.2	139	28	14	38	3.3	11	43
21	40	77	132	e19	e8.2	369	24	19	44	3.9	9.5	29
22	30	79	97	e18	37	238	23	16	86	13	8.2	24
23	25	86	78	e17	179	162	21	15	72	10	6.5	426
24	21	68	64	e17	164	113	18	29	54	9.8	4.9	207
25	18	59	60	e16	e98	90	16	30	41	7.7	4.1	105
26	72	51	55	e14	e80	78	36	114	32	5.4	3.9	72
27	59	47	46	e13	e70	72	34	108	25	4.5	3.4	56
28	46	39	41	e12	59	59	24	111	20	4.1	3.1	150
29	38	33	37	e12	---	86	22	86	17	3.3	2.9	81
30	32	31	33	e11	---	108	21	65	15	2.6	3.1	59
31	28	---	37	e11	---	85	---	75	---	2.4	2.8	---
TOTAL	1,855.0	1,732	1,485	1,167	955.8	2,508	1,323	1,140	1,941	228.4	678.5	2,380.7
MEAN	59.8	57.7	47.9	37.6	34.1	80.9	44.1	36.8	64.7	7.37	21.9	79.4
MAX	477	214	138	149	179	369	114	114	223	13	94	426
MIN	3.5	16	17	11	8.2	22	16	14	15	2.4	2.8	5.7
CFSM	3.63	3.50	2.90	2.28	2.07	4.90	2.67	2.23	3.92	0.45	1.33	4.81
IN.	4.18	3.90	3.35	2.63	2.15	5.65	2.98	2.57	4.38	0.51	1.53	5.37

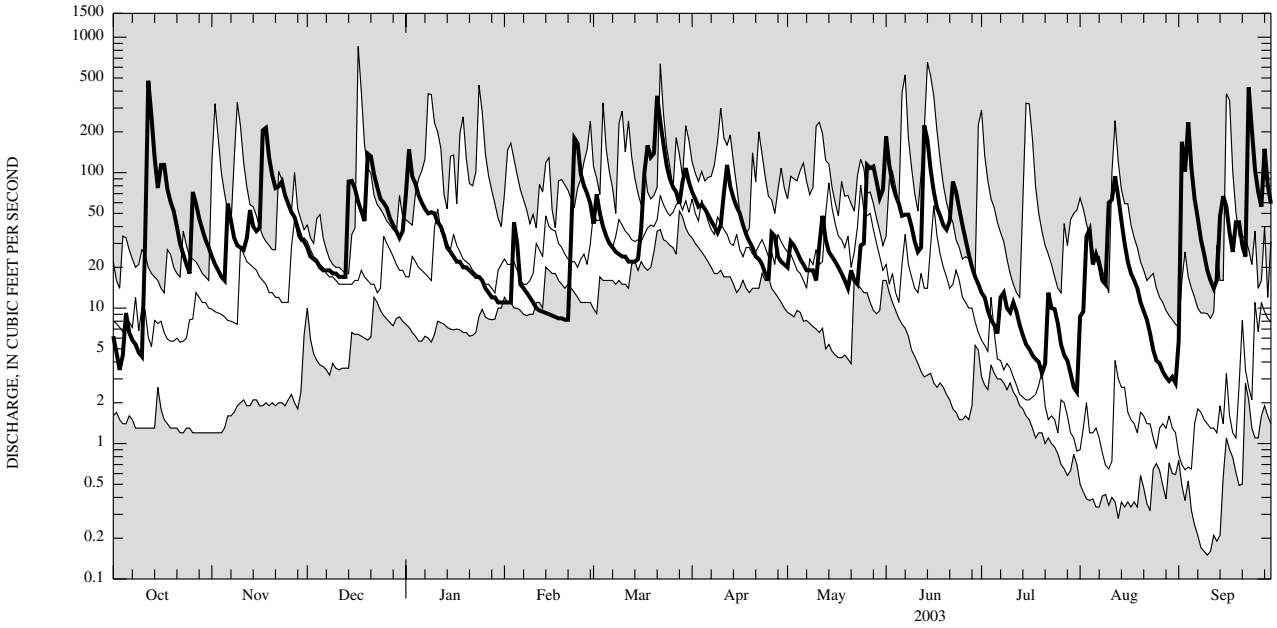
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	18.0	35.6	33.1	45.3	37.3	66.3	46.9	39.4	46.9	15.5	11.3	23.2
MAX	59.8	87.4	76.2	113	54.2	90.9	78.8	64.5	94.8	48.5	39.9	79.4
(WY)	(2003)	(1998)	(2001)	(1999)	(1999)	(1999)	(2001)	(1998)	(1998)	(2000)	(2000)	(2003)
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)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	10,157.63		17,394.4			
ANNUAL MEAN	27.8		47.7		34.8	
HIGHEST ANNUAL MEAN					47.7	2003
LOWEST ANNUAL MEAN					14.9	2002
HIGHEST DAILY MEAN	477	Oct 12	477	Oct 12	855	Dec 17, 2000
LOWEST DAILY MEAN	0.15	Sep 10	2.4	Jul 31	0.15	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	0.18	Sep 7	3.3	Aug 25	0.18	Sep 7, 2002
ANNUAL RUNOFF (CFSM)	1.69		2.89		2.11	
ANNUAL RUNOFF (INCHES)	22.90		39.22		28.69	
10 PERCENT EXCEEDS	70		105		79	
50 PERCENT EXCEEDS	18		30		18	
90 PERCENT EXCEEDS	0.63		7.6		1.6	

e Estimated



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

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, 12,700 ft^3/s, Sept. 28, gage height, 12.08 ft; minimum discharge, 195 ft^3/s, Oct. 3, 4, gage height, 4.23 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	216	665	1,170	1,350	364	472	1,130	451	2,590	430	591	250
2	205	721	1,120	1,680	353	542	956	589	1,850	405	583	2,170
3	199	704	1,080	1,080	348	558	849	596	1,250	404	1,560	1,260
4	289	689	1,040	876	421	512	800	569	990	436	2,150	2,840
5	525	676	1,040	789	427	531	747	560	834	415	1,180	1,600
6	498	854	1,020	739	e370	549	681	563	747	398	995	1,040
7	421	809	1,000	665	e360	520	639	559	973	479	788	778
8	242	757	988	642	364	523	594	593	926	584	693	616
9	232	741	957	633	361	539	550	645	755	539	556	509
10	230	735	947	611	e350	515	562	604	470	520	1,350	424
11	299	739	966	564	e340	495	732	670	431	533	1,220	364
12	3,440	776	1,050	537	e340	505	1,010	829	413	517	1,310	359
13	2,160	924	1,010	511	343	524	972	739	964	497	1,250	382
14	1,330	889	1,280	503	e340	494	899	713	892	484	901	868
15	958	878	1,230	488	e340	500	839	691	729	470	707	1,870
16	1,760	886	1,150	476	e330	599	861	668	631	486	598	1,160
17	2,400	1,640	1,090	463	e330	1,090	797	643	563	466	561	818
18	1,280	1,900	1,040	401	e360	2,290	687	618	531	493	511	656
19	924	1,530	1,040	e410	357	2,370	612	588	487	558	432	907
20	734	1,390	1,730	e430	348	2,100	557	563	463	548	357	917
21	646	1,380	2,160	427	346	4,850	514	575	507	516	307	729
22	693	1,650	1,830	401	384	3,880	488	547	841	616	279	629
23	683	1,930	1,640	403	603	2,690	445	533	796	529	273	3,760
24	634	1,730	1,480	e400	566	1,820	400	601	676	503	232	2,170
25	600	1,590	1,420	e410	511	1,500	372	617	587	483	220	1,390
26	822	1,490	1,340	e400	476	1,510	537	1,020	513	450	249	1,040
27	755	1,410	1,260	e380	e470	1,400	558	1,070	443	433	254	1,040
28	704	1,310	1,210	e380	e470	1,170	500	1,120	376	423	241	5,660
29	690	1,250	1,170	e380	---	1,720	495	1,010	331	408	231	2,270
30	668	1,210	1,130	380	---	2,080	469	816	336	425	237	1,460
31	645	---	1,150	373	---	1,420	---	898	---	458	219	---
TOTAL	25,882	33,853	37,738	18,182	10,972	40,268	20,252	21,258	22,895	14,906	21,035	39,936
MEAN	835	1,128	1,217	587	392	1,299	675	686	763	481	679	1,331
MAX	3,440	1,930	2,160	1,680	603	4,850	1,130	1,120	2,590	616	2,150	5,660
MIN	199	665	947	373	330	472	372	451	331	398	219	250

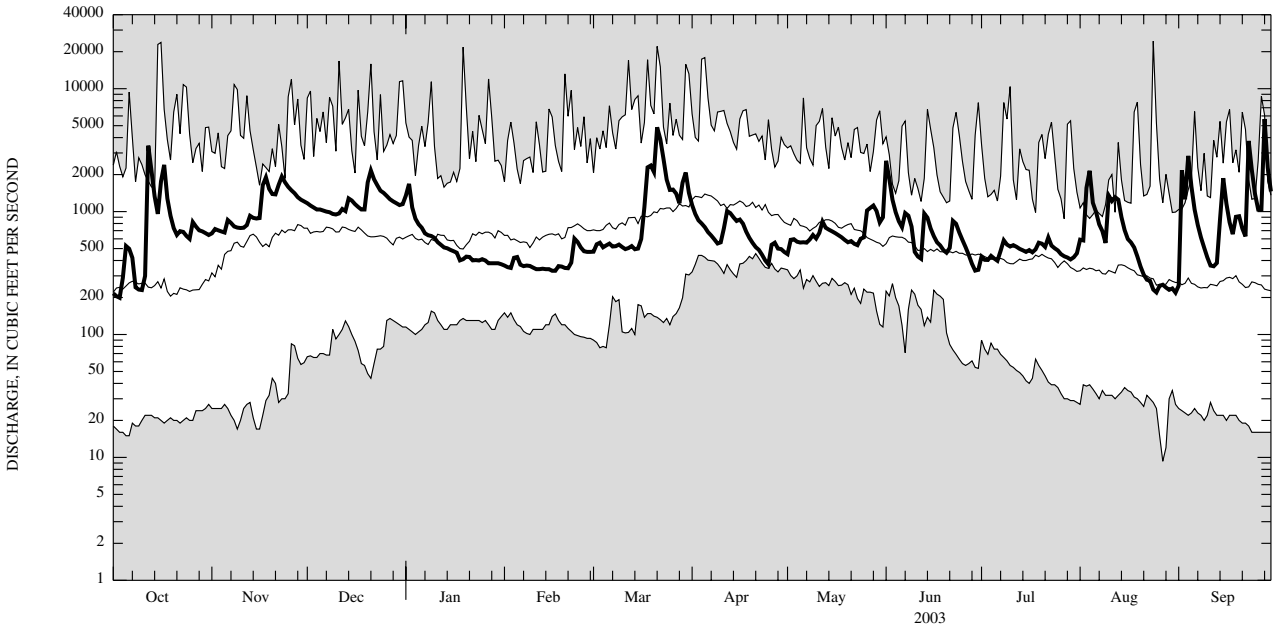
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2003, BY WATER YEAR (WY)

MEAN	466	768	874	806	774	1,156	1,350	886	606	488	386	403
MAX	2,509	1,699	2,083	2,123	2,756	2,810	3,309	2,320	1,216	1,364	1,460	1,331
(WY)	(1956)	(1943)	(1974)	(1996)	(1981)	(1936)	(1940)	(1989)	(1972)	(1945)	(1933)	(2003)
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)

01362500 ESOPUS CREEK AT COLDBROOK, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1932 - 2003	
ANNUAL TOTAL	279,373		307,177			
ANNUAL MEAN	765		842		746	
HIGHEST ANNUAL MEAN					1,035	1952
LOWEST ANNUAL MEAN					419	1985
HIGHEST DAILY MEAN	3,440	Oct 12	5,660	Sep 28	24,400	Aug 24, 1933
LOWEST DAILY MEAN	145	Sep 26	199	Oct 3	9.3	Aug 27, 1949
ANNUAL SEVEN-DAY MINIMUM	178	Sep 20	236	Aug 25	16	Sep 24, 1943
10 PERCENT EXCEEDS	1,400		1,540		1,440	
50 PERCENT EXCEEDS	757		631		536	
90 PERCENT EXCEEDS	216		358		172	

e Estimated



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.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.5°C, Aug. 3, 19, 2002; minimum (water year 1997-2003), 0.0°C on many days during winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 21.5°C, June 26, Aug. 20, 22; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.0	14.5	17.0	8.0	6.5	7.5	4.0	3.0	3.5	3.0	2.5	2.5
2	20.0	16.0	18.0	7.5	6.0	6.5	3.5	2.5	3.0	2.5	1.5	2.0
3	19.0	16.5	17.5	7.5	6.5	7.0	3.0	1.5	2.0	1.5	0.0	1.0
4	16.5	15.5	16.0	7.5	6.5	7.0	2.5	1.5	2.0	2.0	0.0	1.0
5	16.5	15.0	15.5	8.0	7.0	7.0	2.5	2.0	2.5	2.0	1.5	2.0
6	17.5	14.5	15.5	7.0	6.0	6.5	3.0	2.0	2.5	2.0	1.5	1.5
7	16.0	13.5	15.0	7.0	5.5	6.5	3.0	1.5	2.0	2.0	0.5	1.0
8	15.5	12.0	14.0	7.5	5.0	6.0	3.5	2.0	2.5	2.0	0.5	1.5
9	14.5	11.5	13.0	8.0	6.0	7.0	2.5	1.5	2.0	3.0	2.0	2.5
10	14.0	13.5	13.5	9.0	7.5	8.0	2.5	1.5	2.0	2.5	1.0	2.0
11	13.5	13.0	13.5	10.5	9.0	9.5	2.5	1.5	2.0	1.0	0.0	0.5
12	13.5	12.5	13.0	9.0	8.5	8.5	3.0	1.5	2.5	1.0	0.0	0.5
13	13.0	12.5	13.0	8.5	8.0	8.5	3.0	2.0	2.5	1.0	0.0	0.5
14	12.5	10.5	11.5	8.5	7.0	7.5	2.5	2.5	2.5	0.5	0.0	0.0
15	10.5	9.0	10.0	8.5	7.5	8.0	3.0	2.5	3.0	0.5	0.0	0.0
16	10.5	10.0	10.5	8.0	6.0	7.0	3.0	2.0	2.5	0.5	0.0	0.0
17	10.5	10.0	10.0	6.5	5.5	6.0	2.0	1.0	1.5	1.0	0.0	0.0
18	10.5	9.0	10.0	6.5	5.5	6.0	2.0	1.0	1.5	0.0	0.0	0.0
19	10.0	9.0	9.5	6.0	5.5	6.0	2.5	1.0	2.0	0.0	0.0	0.0
20	10.5	9.0	9.5	6.5	5.5	6.0	3.0	2.5	3.0	0.0	0.0	0.0
21	10.0	8.5	9.0	6.5	5.5	6.0	3.0	2.5	3.0	0.0	0.0	0.0
22	9.5	7.5	8.5	7.0	6.5	6.5	3.5	2.5	3.0	0.0	0.0	0.0
23	10.0	8.0	9.0	6.5	5.0	6.0	3.0	2.5	3.0	0.0	0.0	0.0
24	9.0	7.0	8.0	6.0	5.0	5.5	2.5	2.0	2.5	0.0	0.0	0.0
25	9.0	7.5	8.0	6.0	5.0	5.5	2.5	0.0	1.5	0.0	0.0	0.0
26	9.0	8.0	8.5	6.0	5.5	5.5	2.0	0.5	1.5	0.0	0.0	0.0
27	9.5	8.5	9.0	5.5	4.0	5.0	2.0	1.5	2.0	0.0	0.0	0.0
28	9.0	8.0	8.5	4.0	3.5	4.0	2.5	1.5	2.0	0.0	0.0	0.0
29	8.0	7.0	7.5	4.0	3.5	3.5	2.5	2.0	2.0	0.5	0.0	0.0
30	7.5	7.0	7.5	4.5	3.5	4.0	2.0	1.5	1.5	0.5	0.0	0.0
31	8.0	6.0	7.0	---	---	---	3.5	1.5	2.5	0.5	0.0	0.0
MONTH	20.0	6.0	11.5	10.5	3.5	6.5	4.0	0.0	2.3	3.0	0.0	0.6

01362500 ESOPUS CREEK AT COLDBROOK, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.0	0.5	1.0	2.5	0.5	1.5	3.0	1.5	2.5	14.0	9.5	11.5
2	2.5	1.0	1.5	1.5	0.5	1.0	5.5	2.5	4.0	13.5	11.0	12.5
3	2.5	0.5	1.5	1.0	0.0	0.5	5.0	4.5	4.5	14.0	9.0	11.5
4	1.5	0.5	1.0	1.0	0.0	0.5	4.5	2.5	3.5	13.0	8.0	10.5
5	1.0	0.0	0.5	2.0	0.5	1.0	2.5	1.0	2.0	10.5	8.0	9.5
6	1.0	0.0	0.5	1.0	0.0	0.5	6.0	1.5	3.5	10.5	8.0	9.0
7	1.5	0.0	0.5	2.0	0.0	0.5	3.5	1.5	2.5	14.0	8.5	11.0
8	1.0	0.0	0.5	3.0	0.0	1.5	3.0	1.0	2.0	12.0	10.0	10.5
9	1.5	0.0	0.5	3.5	0.0	2.0	4.0	2.5	3.0	14.0	9.5	11.5
10	1.5	0.0	0.5	1.5	0.0	0.5	8.0	3.0	5.5	13.5	9.5	11.5
11	1.0	0.0	0.5	2.5	0.0	1.0	5.5	3.5	4.5	11.5	10.5	11.0
12	1.0	0.0	0.5	3.5	0.0	1.5	9.0	4.5	6.5	12.0	10.5	11.0
13	0.0	0.0	0.0	2.0	0.5	1.5	9.0	5.0	6.5	10.5	9.5	10.0
14	0.5	0.0	0.0	3.0	0.0	1.0	9.5	4.0	6.5	12.0	9.0	10.5
15	0.5	0.0	0.0	4.5	1.0	2.5	12.0	6.0	9.0	13.5	9.5	11.0
16	0.0	0.0	0.0	4.5	1.0	2.5	13.0	9.0	10.5	11.5	10.0	11.0
17	0.0	0.0	0.0	3.5	1.5	2.0	10.0	6.5	7.5	13.5	9.0	11.0
18	0.0	0.0	0.0	3.5	1.5	2.0	7.0	5.0	6.0	14.0	9.0	11.5
19	2.0	0.0	1.0	3.5	1.5	2.5	11.0	5.5	8.5	15.0	9.5	12.0
20	3.5	1.0	1.5	2.5	1.5	2.0	12.0	6.5	9.5	14.5	10.0	12.5
21	3.5	0.0	1.5	5.5	1.5	3.0	11.5	7.5	10.0	13.5	11.5	12.0
22	1.5	1.0	1.5	6.0	3.0	4.5	10.5	8.5	9.5	11.5	10.0	10.5
23	1.0	0.0	1.0	5.0	3.5	4.0	9.0	5.0	7.0	11.0	10.0	10.5
24	0.5	0.0	0.0	6.5	3.0	4.5	10.0	4.5	7.0	10.5	10.0	10.5
25	1.5	0.0	0.5	8.0	3.5	5.5	12.0	6.0	9.0	13.5	10.5	11.5
26	1.0	0.0	0.0	6.0	4.5	5.5	10.0	8.0	8.5	12.5	11.0	11.5
27	2.0	0.0	0.5	7.5	3.5	5.5	13.0	8.0	10.5	12.0	10.5	11.0
28	2.5	0.0	1.0	8.0	4.0	6.0	14.5	8.0	11.0	12.5	11.0	11.5
29	---	---	---	8.0	6.0	7.0	12.5	9.5	11.0	13.0	11.0	12.0
30	---	---	---	6.5	3.5	5.0	13.5	8.5	11.0	14.5	11.5	12.5
31	---	---	---	5.5	2.5	3.5	---	---	---	13.0	11.5	12.0
MONTH	3.5	0.0	0.6	8.0	0.0	2.6	14.5	1.0	6.8	15.0	8.0	11.2
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.0	10.5	11.5	19.5	14.0	16.5	16.5	15.5	16.0	16.5	14.5	15.0
2	12.5	9.5	11.0	18.5	14.0	16.0	20.0	15.5	17.5	15.5	15.0	15.5
3	12.5	10.0	11.5	20.0	14.5	17.0	19.0	16.0	17.5	15.5	14.5	15.0
4	12.0	11.0	11.5	19.5	15.0	17.0	18.0	17.0	17.5	16.0	15.0	15.5
5	13.0	11.0	12.0	20.0	15.0	17.0	19.0	16.5	17.5	16.0	14.5	15.5
6	15.5	11.5	13.5	21.0	15.5	17.5	18.0	16.5	17.0	16.5	13.5	15.0
7	13.0	11.5	12.0	19.0	14.5	16.5	18.5	16.5	17.5	17.0	13.5	15.0
8	13.0	11.5	12.0	18.5	15.0	16.5	18.5	16.0	17.5	17.5	14.5	16.0
9	14.5	12.0	13.0	16.0	14.0	15.0	19.0	17.0	18.0	16.0	14.0	15.0
10	17.5	12.5	15.0	17.0	13.0	15.0	19.0	17.5	18.5	17.0	13.0	15.0
11	15.5	13.5	14.5	15.5	14.0	14.5	18.5	17.0	17.5	18.0	14.0	16.0
12	15.0	14.0	14.5	17.5	13.5	15.0	19.0	17.0	18.0	17.5	14.5	16.0
13	15.0	14.0	14.5	16.5	13.5	15.0	19.5	17.0	18.0	15.5	14.5	15.0
14	16.5	13.5	15.0	18.5	13.0	15.5	19.5	16.5	18.0	18.0	15.0	16.5
15	17.5	14.5	16.0	19.5	13.0	16.0	20.0	16.5	18.0	17.5	16.5	16.5
16	17.5	13.5	15.5	18.0	14.5	16.0	19.5	17.0	18.5	17.5	15.5	16.5
17	18.0	13.5	15.5	19.5	14.0	16.5	18.0	17.0	17.5	17.0	13.5	15.0
18	16.0	14.0	14.5	15.5	14.0	14.5	19.0	16.5	17.5	15.5	13.5	14.5
19	17.5	13.5	15.0	18.0	13.0	15.5	20.5	16.0	18.0	17.5	15.0	16.0
20	16.0	13.5	14.5	18.0	13.5	15.5	21.5	16.5	19.0	17.5	15.5	16.5
21	14.0	13.5	13.5	18.0	14.5	16.0	21.0	17.0	19.5	16.5	13.5	15.0
22	14.0	13.0	13.5	17.0	15.5	16.5	21.5	18.0	20.0	15.0	13.5	14.5
23	17.5	13.0	15.0	18.0	15.0	16.5	21.0	17.0	19.0	16.0	14.5	15.5
24	19.0	14.5	17.0	18.5	15.5	16.5	19.5	15.0	17.5	15.0	13.5	14.0
25	20.0	15.0	17.5	19.5	15.0	17.0	19.5	16.0	17.5	15.0	13.0	14.0
26	21.5	16.5	19.0	19.5	14.5	16.5	19.5	16.0	18.0	15.5	13.5	14.5
27	21.0	17.0	19.0	18.5	15.0	16.5	21.0	16.5	18.5	16.5	14.0	15.0
28	20.5	16.0	18.5	20.0	15.5	17.5	20.0	15.0	17.5	16.5	13.0	14.5
29	19.5	16.5	18.0	20.0	14.5	17.0	17.0	14.5	16.0	13.5	12.5	13.0
30	20.0	16.0	18.0	19.5	14.0	16.5	17.0	15.5	16.5	13.0	11.5	12.5
31	---	---	---	19.5	14.5	17.0	18.0	13.5	16.0	---	---	---
MONTH	21.5	9.5	14.7	21.0	13.0	16.2	21.5	13.5	17.8	18.0	11.5	15.1
YEAR	21.5	0.0	8.9									

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, 1,660 ft^3/s, Sept. 27, 2003, gage height, 6.20 ft, from rating curve extended above 330 ft^3/s on basis of step-backwater analysis, outside gage height was 6.62 ft, from crest-stage gage; 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 350 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 12	0645	a980	5.17	Aug 6	1515	404	3.93
Oct 16	1915	426	3.99	Sep 2	0715	408	3.94
Mar 21	0015	464	4.09	Sep 23	0730	570	4.35
Mar 29	1700	373	3.84	Sep 27	2345	a*1,660	b*6.20
Jun 1	0630	632	4.49				

a From rating curve extended as explained above.
b Recorded; outside gage height was 6.62 ft, from crest-stage gage.

Minimum discharge, 6.5 ft^3/s, July 31, Aug. 1, gage height, 1.89 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	37	42	64	14	26	100	34	453	27	14	18
2	13	34	37	95	13	38	86	38	261	24	14	179
3	11	31	33	69	13	33	75	34	165	22	26	112
4	12	29	30	65	26	31	68	31	126	20	44	216
5	27	27	28	58	20	34	62	30	104	18	32	133
6	18	51	26	54	17	37	56	29	82	16	73	91
7	18	39	24	50	16	33	52	27	81	18	55	69
8	16	35	23	47	15	33	47	26	72	17	41	55
9	14	34	20	45	15	35	43	26	63	20	39	46
10	15	33	20	42	e14	31	46	23	54	17	80	39
11	65	35	21	37	e14	30	67	35	50	18	78	33
12	724	44	29	34	14	30	101	44	49	15	72	28
13	354	53	24	31	13	31	104	37	114	13	60	32
14	183	49	55	27	13	28	91	37	109	12	49	57
15	115	48	45	e25	e12	28	81	35	95	11	40	116
16	237	50	37	e22	12	39	78	33	80	12	36	93
17	243	156	33	e20	12	90	70	31	69	10	32	71
18	149	149	30	17	13	170	60	29	63	9.7	28	59
19	107	110	29	e18	13	161	53	27	55	9.1	24	84
20	83	93	124	e19	13	165	47	24	53	8.4	21	74
21	67	84	142	19	13	369	42	25	59	10	19	63
22	55	95	105	18	22	329	39	23	98	21	17	56
23	48	107	83	17	45	228	35	24	83	14	15	294
24	41	97	69	17	33	161	32	45	73	13	13	194
25	36	83	65	17	30	128	29	50	62	11	12	129
26	73	73	56	17	29	123	51	141	52	9.2	12	99
27	54	65	48	15	29	115	44	152	45	8.5	11	146
28	50	57	44	14	27	97	39	163	39	8.0	9.9	442
29	47	51	40	14	---	163	38	141	36	7.5	9.8	202
30	44	47	37	14	---	178	36	108	31	7.2	12	134
31	40	---	44	14	---	126	---	124	---	6.8	9.4	---
TOTAL	2,974	1,896	1,443	1,015	520	3,120	1,772	1,626	2,776	433.4	998.1	3,364
MEAN	95.9	63.2	46.5	32.7	18.6	101	59.1	52.5	92.5	14.0	32.2	112
MAX	724	156	142	95	45	369	104	163	453	27	80	442
MIN	11	27	20	14	12	26	29	23	31	6.8	9.4	18
CFSM	5.92	3.90	2.87	2.02	1.15	6.21	3.65	3.24	5.71	0.86	1.99	6.92
IN.	6.83	4.35	3.31	2.33	1.19	7.16	4.07	3.73	6.37	1.00	2.29	7.72

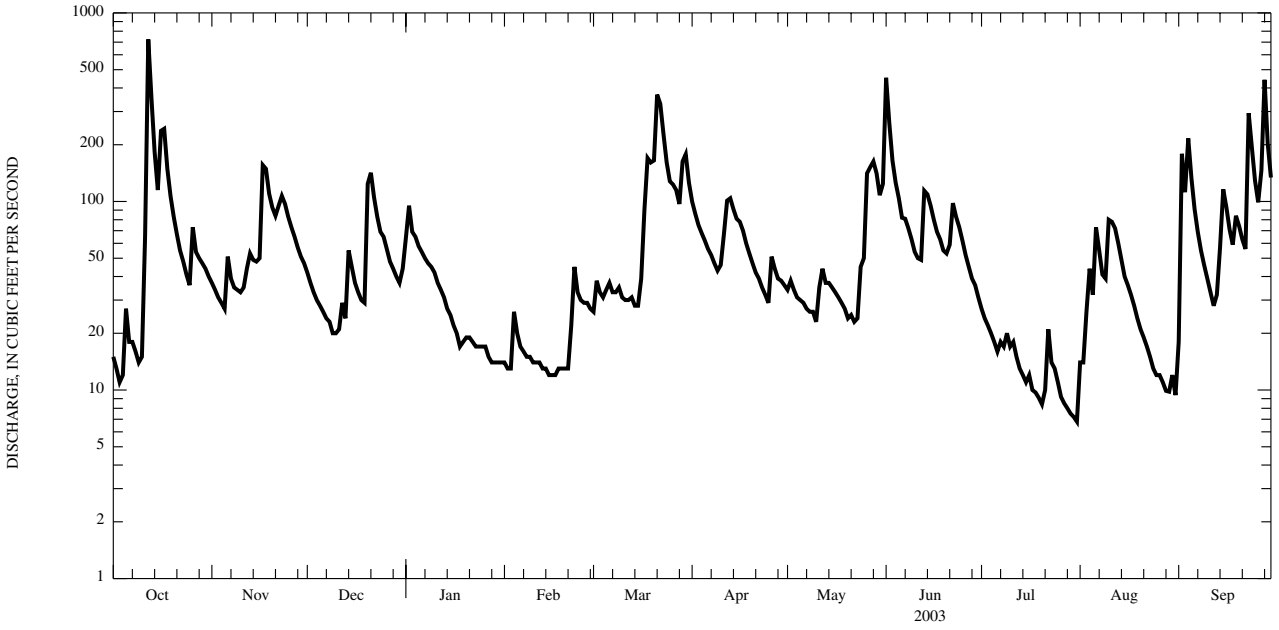
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	40.2	32.7	46.5	20.5	22.8	61.5	78.3	53.9	55.6	9.96	13.3	41.2
MAX	95.9	63.2	70.0	32.7	25.2	101	118	59.3	92.5	14.0	32.2	112
(WY)	(2003)	(2003)	(2001)	(2003)	(2001)	(2003)	(2001)	(2002)	(2003)	(2003)	(2003)	(2003)
MIN	5.31	4.40	23.1	12.7	18.6	41.2	58.2	50.0	31.3	7.83	3.68	8.35
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)	(2001)	(2002)	(2001)	(2002)	(2001)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	13,829.4		21,937.5			
ANNUAL MEAN	37.9		60.1		39.9	
HIGHEST ANNUAL MEAN					60.1	2003
LOWEST ANNUAL MEAN					23.4	2002
HIGHEST DAILY MEAN	724	Oct 12	724	Oct 12	724	Oct 12, 2002
LOWEST DAILY MEAN	2.4	Aug 19	6.8	Jul 31	2.2	Sep 8, 2001
ANNUAL SEVEN-DAY MINIMUM	2.5	Aug 13	8.3	Jul 25	2.2	Sep 7, 2001
ANNUAL RUNOFF (CFSM)	2.34		3.71		2.46	
ANNUAL RUNOFF (INCHES)	31.76		50.37		33.44	
10 PERCENT EXCEEDS	82		127		90	
50 PERCENT EXCEEDS	28		38		24	
90 PERCENT EXCEEDS	3.8		13		4.2	

e Estimated



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, 5,010 ft^3/s, Sept. 29, gage height, 18.70 ft; minimum discharge, 36 ft^3/s, Oct. 10, gage height, 12.29 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	198	264	365	103	315	2,910	196	2,220	254	67	74
2	54	177	234	1,200	109	351	2,280	234	3,480	192	126	1,070
3	44	163	209	1,040	116	e390	1,850	340	2,950	162	198	1,020
4	41	152	179	768	160	375	1,550	266	1,980	142	700	1,420
5	45	143	173	623	245	341	1,390	225	1,420	126	372	1,110
6	51	237	169	512	e190	332	1,280	207	1,010	112	370	1,630
7	45	e300	157	440	e170	301	1,160	195	742	104	397	1,390
8	41	e260	e140	390	e160	281	924	185	801	148	258	965
9	40	222	e130	375	e150	292	697	184	711	145	195	635
10	36	204	126	e340	e140	295	607	172	617	144	658	416
11	51	195	128	e320	e130	249	601	172	447	133	864	287
12	2,370	198	320	e300	e120	252	834	301	332	120	1,460	206
13	2,020	371	496	286	e110	280	1,070	294	1,190	103	908	165
14	1,020	377	896	260	e100	256	1,160	246	1,460	91	608	169
15	592	328	1,270	230	e110	253	1,140	217	1,270	80	747	193
16	511	301	980	218	e110	333	1,090	193	1,010	73	696	563
17	953	1,240	705	e200	e110	687	900	176	744	69	573	1,140
18	718	2,150	507	e170	e110	1,440	676	162	570	65	443	928
19	502	1,450	411	e160	e110	1,540	550	157	467	62	352	745
20	382	947	709	e140	120	1,180	438	136	385	57	283	753
21	302	710	1,230	e130	118	3,610	344	145	378	55	226	799
22	241	656	846	e120	147	2,600	294	154	923	97	188	673
23	203	956	647	e120	488	1,670	263	142	1,550	112	167	1,980
24	174	725	512	e110	713	1,150	267	147	1,200	94	172	4,200
25	156	573	450	e110	602	1,090	248	170	883	84	134	3,580
26	278	476	410	e110	496	1,760	229	601	641	74	106	2,170
27	447	413	363	e110	419	2,000	338	1,280	445	63	88	1,370
28	355	359	325	e110	361	2,010	272	903	308	56	76	1,730
29	295	313	295	109	---	2,150	229	974	235	50	70	4,730
30	253	286	268	105	---	3,280	207	980	358	46	76	3,930
31	221	---	266	102	---	3,440	---	881	---	42	70	---
TOTAL	12,508	15,080	13,815	9,573	6,017	34,503	25,798	10,635	30,727	3,155	11,648	40,041
MEAN	403	503	446	309	215	1,113	860	343	1,024	102	376	1,335
MAX	2,370	2,150	1,270	1,200	713	3,610	2,910	1,280	3,480	254	1,460	4,730
MIN	36	143	126	102	100	249	207	136	235	42	67	74

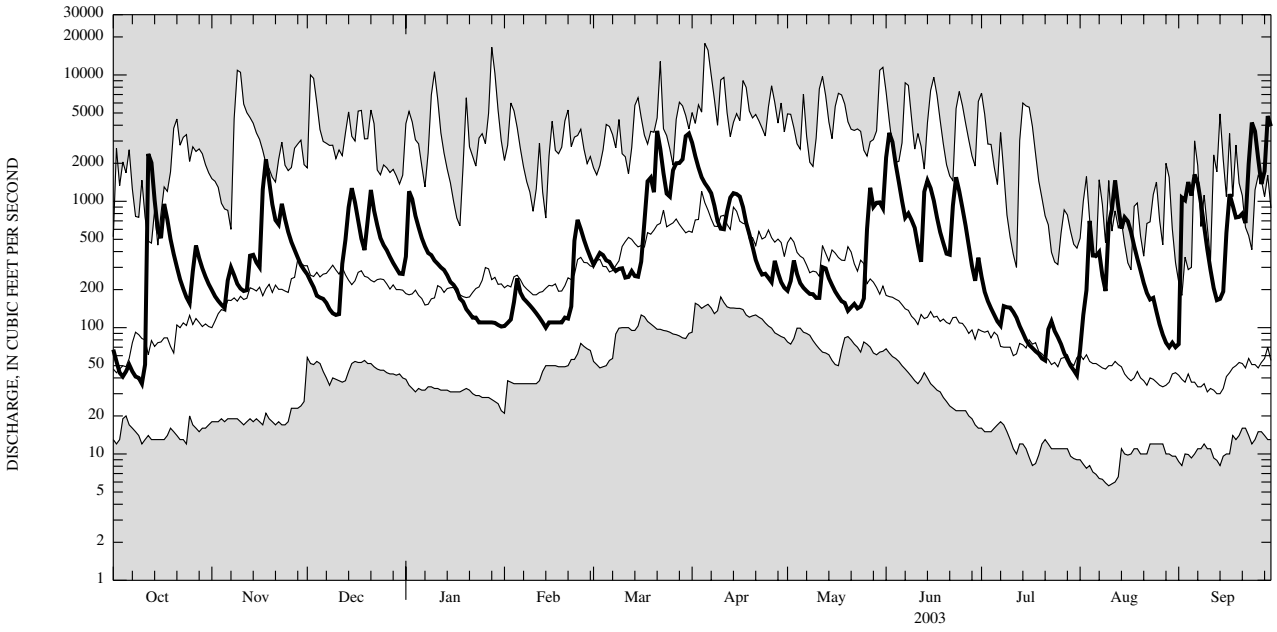
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2003, BY WATER YEAR (WY)

MEAN	226	414	499	458	469	777	1,163	695	421	179	97.4	159
MAX	855	1,978	2,775	1,887	1,745	2,049	3,306	1,738	1,773	1,163	426	1,335
(WY)	(1997)	(1914)	(1997)	(1978)	(1976)	(1977)	(1987)	(1998)	(1972)	(1996)	(1990)	(2003)
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)

01364500 ESOPUS CREEK AT MOUNT MARION, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1914 - 2003	
ANNUAL TOTAL	86,599.7		213,500			
ANNUAL MEAN	237		585		457	
HIGHEST ANNUAL MEAN					908	1978
LOWEST ANNUAL MEAN					98.5	1985
HIGHEST DAILY MEAN	2,370	Oct 12	4,730	Sep 29	17,800	Apr 5, 1987
LOWEST DAILY MEAN	8.1	Sep 14	36	Oct 10	5.6	Aug 10, 1999
ANNUAL SEVEN-DAY MINIMUM	10	Sep 9	43	Oct 4	6.1	Aug 7, 1999
10 PERCENT EXCEEDS	580		1,400		1,150	
50 PERCENT EXCEEDS	150		301		170	
90 PERCENT EXCEEDS	18		101		30	

e Estimated



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.--Records fair except those for estimated daily discharges and those above 400 ft^3/s, which are poor. Satellite gage-height telemeter at station.

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)
Oct 12	0645	383	3.22	Jun 1	0630	a466	3.44
Oct 16	1845	239	2.75	Sep 2	0730	217	2.66
Mar 21	0045	250	2.79	Sep 23	0900	369	3.18
Mar 29	1630	332	3.07	Sep 27	2345	a*598	b*3.74

a From rating curve extended as explained above.
b Recorded; outside gage height was 4.11 ft, from crest-stage gage.

Minimum discharge, 3.8 ft^3/s, July 31, gage height, 0.63 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	14	15	20	e5.0	e7.0	36	14	214	12	7.4	12
2	4.2	13	14	28	e5.0	e10	33	19	64	11	6.8	85
3	4.1	12	12	18	e5.0	e9.7	30	16	42	10	16	39
4	4.9	11	12	17	e9.0	e8.8	27	14	35	9.3	26	70
5	13	11	11	16	6.7	e8.6	25	14	31	8.6	19	33
6	6.5	19	11	15	5.9	e8.4	23	14	26	7.9	38	25
7	6.1	14	10	15	5.6	e8.4	21	13	28	9.9	27	21
8	5.6	12	9.5	14	5.4	e8.0	20	13	25	8.3	20	19
9	5.3	13	8.8	e13	e5.2	e8.0	19	13	24	10	20	17
10	6.7	12	8.3	e12	e5.0	e8.0	20	12	22	7.9	41	15
11	31	13	8.2	e11	e5.0	e8.4	27	16	21	8.8	33	14
12	257	18	8.5	e11	e5.1	e8.0	40	19	21	7.1	29	13
13	96	22	7.9	e10	e5.2	8.1	30	15	46	6.4	23	14
14	46	16	14	e9.6	e5.6	7.6	26	14	33	6.0	19	16
15	30	15	11	e9.0	e5.2	8.4	26	13	26	5.7	17	29
16	108	15	8.9	e8.8	e5.2	12	28	13	24	6.2	19	24
17	69	39	8.0	e8.4	e5.8	26	25	13	22	5.3	17	17
18	40	34	8.0	e8.0	e5.2	45	22	12	21	5.3	16	16
19	31	24	7.9	e7.6	e4.7	40	20	12	19	4.9	14	36
20	26	24	49	e7.2	e4.6	54	19	11	19	4.6	12	29
21	22	24	31	e6.8	e4.7	189	18	12	23	6.5	11	22
22	19	39	21	e6.6	e7.0	143	18	11	38	11	10	20
23	17	40	19	e6.2	e10	83	17	11	26	7.1	9.4	142
24	15	28	17	e6.0	e8.0	58	15	18	21	6.1	8.7	50
25	14	25	e16	e5.8	e6.6	58	14	18	19	5.3	8.3	36
26	34	23	e15	e5.6	e6.8	62	22	44	18	4.8	8.2	31
27	21	21	14	e5.4	e7.0	52	19	33	16	4.6	7.6	66
28	18	19	14	e5.2	e6.8	44	16	44	15	4.5	7.0	206
29	16	18	13	e5.0	---	115	15	34	14	4.2	7.3	61
30	16	17	12	e5.0	---	78	14	28	13	4.1	7.9	41
31	15	---	16	e5.0	---	46	---	36	---	4.0	6.6	---
TOTAL	1,001.9	605	431.0	321.2	166.3	1,230.4	685	569	966	217.4	512.2	1,219
MEAN	32.3	20.2	13.9	10.4	5.94	39.7	22.8	18.4	32.2	7.01	16.5	40.6
MAX	257	40	49	28	10	189	40	44	214	12	41	206
MIN	4.1	11	7.9	5.0	4.6	7.0	14	11	13	4.0	6.6	12
CFSM	6.03	3.76	2.59	1.93	1.11	7.40	4.26	3.42	6.01	1.31	3.08	7.58
IN.	6.95	4.20	2.99	2.23	1.15	8.54	4.75	3.95	6.70	1.51	3.55	8.46

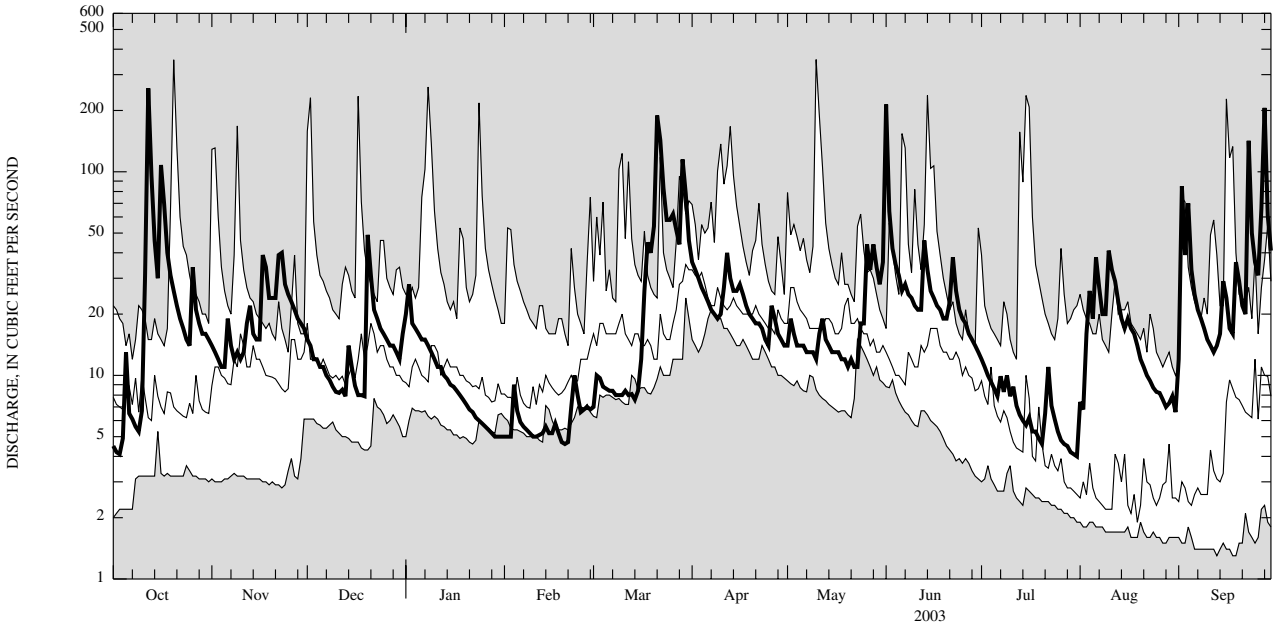
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	15.1	15.9	17.0	15.9	11.1	25.4	27.1	22.7	19.3	11.8	6.84	15.4
MAX	36.4	31.2	42.5	34.7	19.7	39.7	45.4	43.6	32.2	31.6	16.9	40.6
(WY)	(1997)	(1998)	(1997)	(1998)	(1999)	(2003)	(2001)	(1998)	(2003)	(2000)	(2000)	(2003)
MIN	3.23	3.46	5.90	6.23	5.94	10.7	17.3	13.1	6.47	3.08	1.97	2.37
(WY)	(2002)	(2002)	(1999)	(2002)	(2003)	(2001)	(1999)	(1999)	(1997)	(1997)	(2002)	(1998)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	5,009.8		7,924.4			
ANNUAL MEAN	13.7		21.7		16.7	
HIGHEST ANNUAL MEAN					21.7	2003
LOWEST ANNUAL MEAN					9.51	2002
HIGHEST DAILY MEAN	257	Oct 12	257	Oct 12	356	May 10, 1998
LOWEST DAILY MEAN	1.3	Sep 13	4.0	Jul 31	1.3	Sep 18, 2001
ANNUAL SEVEN-DAY MINIMUM	1.4	Sep 7	4.5	Jul 25	1.4	Sep 7, 2002
ANNUAL RUNOFF (CFSM)	2.56		4.05		3.11	
ANNUAL RUNOFF (INCHES)	34.77		55.00		42.25	
10 PERCENT EXCEEDS	27		40		31	
50 PERCENT EXCEEDS	11		14		11	
90 PERCENT EXCEEDS	1.8		5.5		2.8	

e Estimated



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 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). July 5, 1951 to July 31, 2001, water-stage recorder at site on left bank 250 ft upstream, at datum 874.44 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 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)
Oct 12	0800	1,310	4.03	Sep 23	0900	1,620	4.25
Mar 21	0015	1,320	4.04	Sep 28	0045	*3,820	a*5.29
Jun 1	0815	1,430	4.12				

a Recorded; outside gage height was 5.01 ft, from crest-stage gage.

Minimum discharge, 23 ft^3/s, July 31, Aug. 1, gage height, 1.65 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	88	103	148	42	65	238	77	755	68	43	66
2	37	84	95	255	41	95	217	97	383	61	47	456
3	38	80	86	170	39	89	200	87	257	57	52	237
4	36	76	81	154	75	85	176	79	215	53	218	399
5	73	72	79	137	64	80	162	77	185	50	207	249
6	50	114	77	128	e46	e74	149	76	155	44	224	181
7	44	98	71	119	e43	e70	139	74	164	63	185	146
8	40	85	68	115	e40	e68	129	74	154	61	139	124
9	38	83	61	112	e40	e66	122	75	140	61	127	109
10	42	81	59	105	e38	e66	124	68	128	52	239	96
11	107	84	61	96	e38	e66	146	82	121	52	247	86
12	888	103	90	90	e37	e66	187	110	118	46	237	79
13	430	134	74	85	37	e66	158	89	214	39	178	77
14	262	114	127	78	48	67	148	83	175	36	142	80
15	189	109	113	74	38	73	142	81	150	34	119	138
16	352	114	96	71	36	107	139	79	134	36	120	113
17	345	265	85	69	36	224	129	77	123	32	113	89
18	228	281	79	55	42	376	118	74	121	31	100	81
19	186	216	78	e56	41	356	111	69	112	29	90	143
20	159	196	227	e54	41	385	104	65	109	27	79	136
21	134	185	225	e52	41	1,060	99	72	122	34	71	109
22	118	204	179	e52	68	810	101	64	193	85	64	102
23	107	224	158	e52	118	543	93	62	155	58	58	672
24	96	182	140	e50	81	373	86	80	125	44	52	337
25	90	165	136	e48	66	316	81	91	113	37	48	240
26	160	150	124	e45	62	299	98	192	103	32	48	195
27	128	140	112	e44	e62	265	98	172	94	30	46	273
28	110	126	106	e43	e64	224	85	206	85	29	40	1,480
29	103	118	100	44	---	427	81	184	81	26	40	502
30	98	112	94	42	---	427	78	155	76	25	51	306
31	93	---	113	41	---	295	---	171	---	24	40	---
TOTAL	4,820	4,083	3,297	2,684	1,424	7,583	3,938	3,042	5,060	1,356	3,464	7,301
MEAN	155	136	106	86.6	50.9	245	131	98.1	169	43.7	112	243
MAX	888	281	227	255	118	1,060	238	206	755	85	247	1,480
MIN	36	72	59	41	36	65	78	62	76	24	40	66
CFSM	4.06	3.55	2.78	2.26	1.33	6.39	3.43	2.56	4.40	1.14	2.92	6.35
IN.	4.68	3.97	3.20	2.61	1.38	7.37	3.82	2.95	4.91	1.32	3.36	7.09

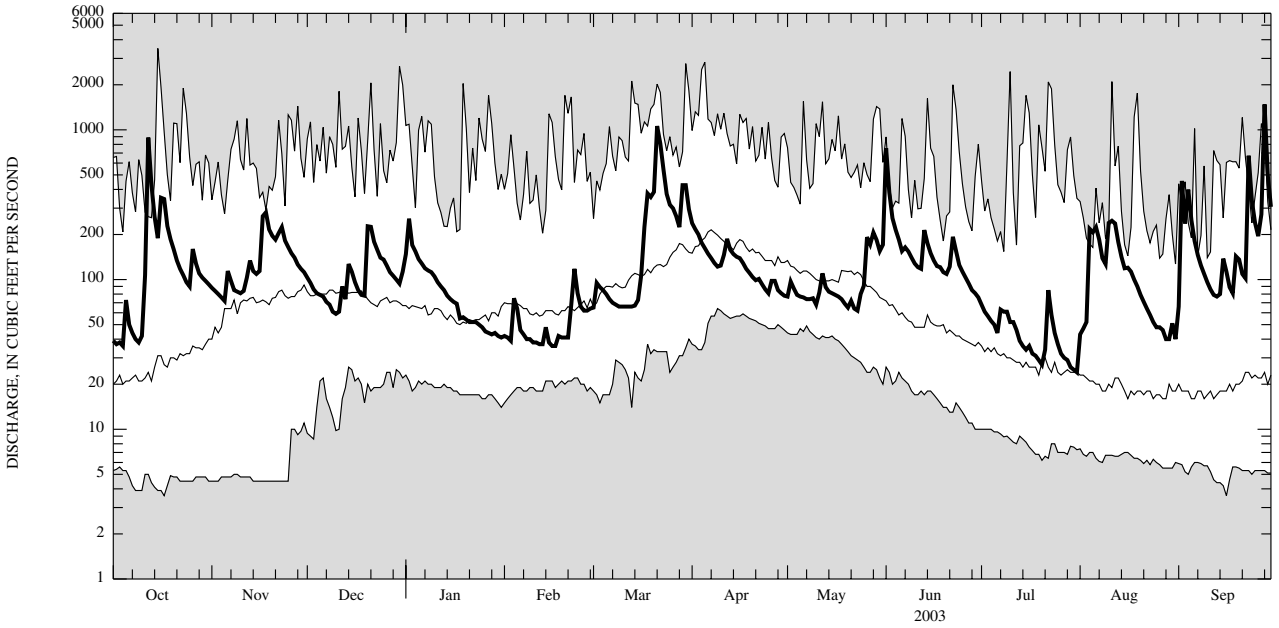
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	65.0	99.9	114	94.7	92.6	161	215	135	76.3	50.0	35.2	42.0
MAX	403	295	338	293	299	379	447	382	299	264	226	243
(WY)	(1956)	(1973)	(1974)	(1996)	(1981)	(1977)	(1940)	(1989)	(1972)	(1938)	(1938)	(2003)
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)

01365000 RONDOUT CREEK NEAR LOWES CORNERS, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	30,370.7		48,052			
ANNUAL MEAN	83.2		132		98.4	
HIGHEST ANNUAL MEAN					152	1996
LOWEST ANNUAL MEAN					49.1	1965
HIGHEST DAILY MEAN	888	Oct 12	1,480	Sep 28	3,500	Oct 15, 1955
LOWEST DAILY MEAN	6.6	Sep 14	24	Jul 31	3.6	Sep 16, 1980
ANNUAL SEVEN-DAY MINIMUM	7.0	Sep 8	29	Jul 25	4.1	Oct 13, 1980
ANNUAL RUNOFF (CFSM)	2.17		3.44		2.57	
ANNUAL RUNOFF (INCHES)	29.50		46.67		34.91	
10 PERCENT EXCEEDS	173		238		210	
50 PERCENT EXCEEDS	72		94		59	
90 PERCENT EXCEEDS	10		41		14	

e Estimated



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, at datum 2.00 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)
Jan 2	0215	511	3.75	Sep 2	0545	643	4.09
Mar 20	2345	551	3.96	Sep 23	0715	*697	*4.16
Mar 29	1700	525	3.92				

Minimum discharge, 7.9 ft^3/s, Oct. 8, 9, gage height, 1.99 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	27	33	81	17	23	94	28	203	23	30	42
2	11	26	30	220	17	48	95	47	109	22	28	343
3	12	25	26	91	17	42	94	43	77	20	31	166
4	12	24	25	75	36	39	83	34	75	21	66	223
5	17	24	25	64	29	30	78	31	66	21	53	109
6	11	58	25	59	e20	30	72	31	55	18	42	75
7	9.9	40	24	53	e18	29	67	29	71	32	32	55
8	8.6	31	23	51	e17	27	63	32	70	26	27	46
9	8.3	28	20	51	e16	27	61	30	59	29	32	39
10	10	27	21	49	e15	26	65	27	47	24	58	34
11	62	30	22	42	e15	26	80	35	47	24	121	31
12	245	42	39	39	e15	24	98	49	48	20	106	28
13	95	55	34	35	e15	25	71	37	113	17	62	28
14	61	41	78	32	e14	24	61	33	87	16	44	31
15	44	36	64	30	e14	28	56	30	59	15	36	55
16	157	42	49	e28	14	58	51	27	48	16	41	42
17	135	225	39	e27	15	140	45	26	43	13	39	32
18	73	185	33	24	16	190	43	24	44	13	49	28
19	57	101	32	e23	15	134	41	22	41	12	38	42
20	47	80	101	e22	15	166	38	21	46	11	30	39
21	38	71	78	e21	16	340	37	28	68	18	27	31
22	33	80	59	20	32	222	42	24	146	52	25	30
23	28	80	50	20	71	154	36	24	95	33	22	295
24	25	62	44	19	47	118	33	31	61	25	19	123
25	24	55	44	e18	34	103	31	37	48	19	19	86
26	69	47	42	e18	31	98	41	111	40	16	19	70
27	50	43	38	e17	28	88	38	86	35	15	17	66
28	39	38	36	17	24	73	33	93	30	13	15	196
29	34	36	35	17	---	170	31	75	29	12	17	107
30	32	36	33	17	---	156	29	57	27	11	21	78
31	29	---	44	16	---	113	---	90	---	9.9	16	---
TOTAL	1,488.8	1,695	1,246	1,296	633	2,771	1,707	1,292	1,987	616.9	1,182	2,570
MEAN	48.0	56.5	40.2	41.8	22.6	89.4	56.9	41.7	66.2	19.9	38.1	85.7
MAX	245	225	101	220	71	340	98	111	203	52	121	343
MIN	8.3	24	20	16	14	23	29	21	27	9.9	15	28
CFSM	2.30	2.70	1.92	2.00	1.08	4.28	2.72	1.99	3.17	0.95	1.82	4.10
IN.	2.65	3.02	2.22	2.31	1.13	4.93	3.04	2.30	3.54	1.10	2.10	4.57

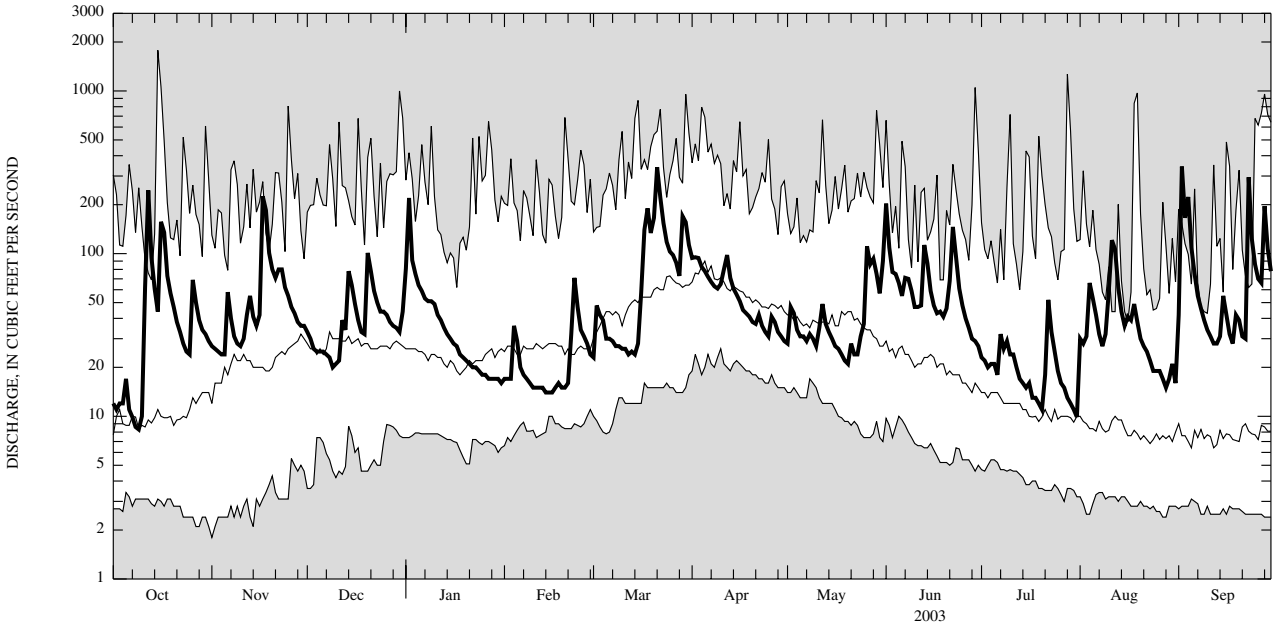
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	24.2	34.4	42.2	36.9	40.2	74.1	79.1	50.7	33.6	21.4	15.0	16.0
MAX	207	89.2	101	93.6	129	143	176	101	106	123	89.3	85.7
(WY)	(1956)	(1973)	(1974)	(1979)	(1981)	(1977)	(1956)	(1984)	(1973)	(1945)	(1955)	(2003)
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)

01365500 CHESTNUT CREEK AT GRAHAMSVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	12,608.7		18,484.7			
ANNUAL MEAN	34.5		50.6		38.9	
HIGHEST ANNUAL MEAN					61.9	1952
LOWEST ANNUAL MEAN					18.3	1965
HIGHEST DAILY MEAN	245	Oct 12	343	Sep 2	1,780	Oct 15, 1955
LOWEST DAILY MEAN	3.7	Sep 12	8.3	Oct 9	1.8	Nov 1, 1964
ANNUAL SEVEN-DAY MINIMUM	3.9	Sep 8	11	Oct 4	2.1	Oct 27, 1964
ANNUAL RUNOFF (CFSM)	1.65		2.42		1.86	
ANNUAL RUNOFF (INCHES)	22.44		32.90		25.32	
10 PERCENT EXCEEDS	74		98		83	
50 PERCENT EXCEEDS	25		35		23	
90 PERCENT EXCEEDS	5.6		16		5.9	

e Estimated



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, 8,330 ft^3/s, Oct. 12, gage height, 15.65 ft; minimum discharge, 71 ft^3/s, July 31, gage height, 8.88 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	215	392	533	911	e230	e720	1,190	343	4,190	351	130	139
2	172	361	475	3,050	e240	e860	1,050	445	2,880	301	333	3,590
3	161	338	435	1,770	e260	e820	1,040	683	1,570	273	258	2,470
4	162	315	362	1,330	e390	e720	939	473	1,210	258	620	2,340
5	164	300	368	1,110	e540	e700	951	406	1,110	249	630	1,530
6	178	722	380	944	e450	e580	883	381	888	225	674	952
7	148	760	388	831	e380	e540	847	368	834	294	456	671
8	131	551	385	765	e350	e520	795	365	1,140	427	350	513
9	118	461	416	e700	e330	e500	770	373	859	297	297	445
10	112	410	456	e640	e310	e490	786	339	698	341	518	369
11	183	389	567	e600	e280	e470	969	318	580	278	988	323
12	5,980	426	772	e560	e260	e470	1,630	385	553	260	1,480	288
13	3,260	979	782	e520	e240	e460	1,270	378	1,390	223	832	272
14	1,660	798	1,750	e500	e220	e470	975	334	1,470	191	564	310
15	985	638	2,300	e490	e240	504	828	303	996	185	410	337
16	1,250	592	1,560	e470	e240	825	730	284	726	170	329	496
17	3,160	3,190	1,110	e450	e240	1,960	631	264	588	160	290	405
18	1,560	4,020	816	e380	e240	3,200	561	248	534	149	273	313
19	1,000	2,250	744	e350	e260	3,030	524	234	519	144	279	380
20	774	1,550	1,310	e320	e250	2,260	485	218	486	137	243	534
21	612	1,250	2,080	e290	e290	6,690	452	238	625	129	216	408
22	499	1,260	1,350	e270	e500	5,000	461	268	2,210	251	191	339
23	439	1,710	1,060	e260	e900	3,440	447	251	2,540	281	176	2,410
24	380	1,150	873	e250	e1,500	2,290	404	321	1,340	245	158	2,230
25	344	922	778	e240	e1,200	1,780	369	536	884	217	146	1,200
26	789	790	e680	e240	e1,000	1,570	413	2,110	666	172	139	867
27	985	725	e640	e240	e940	1,550	625	2,260	536	148	139	693
28	696	660	618	e240	e840	1,220	486	1,970	445	135	136	2,420
29	553	587	578	e230	---	1,130	411	1,610	383	124	130	1,970
30	477	549	539	e230	---	2,110	371	1,060	411	112	131	1,220
31	434	---	579	e220	---	1,600	---	902	---	98	129	---
TOTAL	27,581	29,045	25,684	19,401	13,120	48,479	22,293	18,668	33,261	6,825	11,645	30,434
MEAN	890	968	829	626	469	1,564	743	602	1,109	220	376	1,014
MAX	5,980	4,020	2,300	3,050	1,500	6,690	1,630	2,260	4,190	427	1,480	3,590
MIN	112	300	362	220	220	460	369	218	383	98	129	139

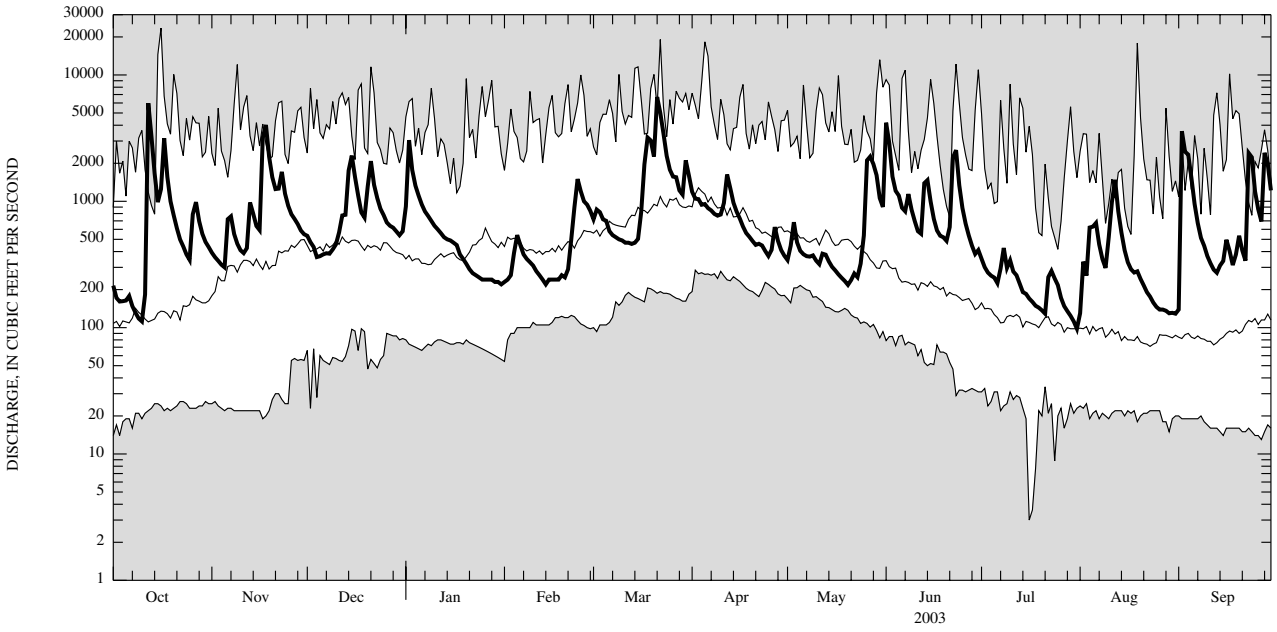
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

MEAN	345	551	682	628	700	1,150	1,132	723	455	222	186	240
MAX	2,473	1,456	2,101	2,043	2,057	2,379	2,524	2,302	2,180	867	1,220	1,175
(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)

01367500 RONDOUT CREEK AT ROSENDALE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952 - 2003	
ANNUAL TOTAL	168,829		286,436			
ANNUAL MEAN	463		785		584	
HIGHEST ANNUAL MEAN					892	1952
LOWEST ANNUAL MEAN					255	1965
HIGHEST DAILY MEAN	5,980	Oct 12	6,690	Mar 21	23,500	Oct 16, 1955
LOWEST DAILY MEAN	46	Aug 15	98	Jul 31	3.0	Jul 16, 1965
ANNUAL SEVEN-DAY MINIMUM	48	Aug 13	131	Jul 26	15	Sep 21, 1964
10 PERCENT EXCEEDS	1,050		1,680		1,340	
50 PERCENT EXCEEDS	257		500		307	
90 PERCENT EXCEEDS	68		205		65	

e Estimated



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 and crest-stage gage. 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)
Nov 18	0930	6,430	7.48	Aug 10	2345	6,960	7.78
Jan 2	1045	6,780	7.68	Sep 2	1345	7,890	8.32
Mar 21	0930	*10,200	*9.64	Sep 23	1045	7,390	8.03
Jun 22	1615	7,350	8.01				

Minimum discharge, 75 ft^3/s, Oct. 10, gage height, 2.02 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	451	948	1,970	e540	e2,000	2,650	633	4,190	874	229	230
2	123	417	843	6,090	e560	e1,900	2,290	762	4,390	678	606	5,760
3	94	386	712	5,060	e640	e2,200	2,100	893	2,930	662	427	3,640
4	92	353	581	3,650	e1,000	e2,100	1,880	701	2,540	597	807	2,750
5	89	339	564	3,200	e1,500	e1,900	1,830	570	2,630	519	1,450	1,720
6	89	625	523	2,730	e1,200	e1,600	1,940	594	2,310	464	1,930	1,130
7	89	757	e540	2,350	e960	e1,400	1,750	578	2,030	438	1,720	750
8	88	643	e560	2,060	e900	e1,300	1,620	594	2,870	446	1,470	598
9	85	551	e620	e1,900	e840	e1,300	1,710	756	2,470	432	1,120	456
10	82	471	e700	e1,700	e760	e1,200	1,950	706	2,070	391	2,410	418
11	124	438	e900	e1,500	e700	e1,200	2,000	673	1,770	372	4,040	369
12	3,070	436	e1,200	e1,300	e680	e1,200	2,510	733	1,480	387	3,190	334
13	2,610	689	e2,000	e1,100	e620	e1,200	2,210	712	2,230	349	1,990	312
14	1,840	737	4,590	e1,000	e560	e1,200	1,890	629	2,660	308	1,380	313
15	1,240	667	4,990	e900	e580	e1,300	1,640	554	2,050	272	1,040	326
16	1,050	649	3,760	e740	e600	e2,200	1,460	530	1,690	256	759	541
17	2,310	4,260	2,760	e700	e600	5,290	1,280	494	1,470	231	630	637
18	1,910	6,100	1,990	e680	e600	7,020	1,130	471	1,320	227	525	523
19	1,380	4,890	1,610	e680	e600	6,610	1,030	449	1,270	202	511	479
20	1,060	3,800	2,160	e640	e640	6,010	962	453	1,360	203	420	914
21	823	2,950	3,920	e640	e700	9,560	897	415	1,540	230	389	895
22	671	2,560	3,090	e620	e1,200	8,650	873	447	5,910	708	334	761
23	535	2,950	2,580	e620	e2,400	7,230	959	471	6,100	1,000	310	3,820
24	460	2,240	2,160	e600	e4,800	6,170	925	514	4,610	914	277	3,940
25	381	1,790	1,810	e580	e4,000	5,360	774	675	3,570	679	223	2,800
26	600	1,500	1,540	e580	e3,300	4,430	743	2,330	2,860	494	222	2,410
27	988	1,320	e1,500	e580	e2,800	3,590	868	2,860	2,260	384	213	2,130
28	894	1,220	e1,400	e560	e2,300	2,720	831	2,100	1,650	337	183	2,570
29	687	1,070	1,400	e560	---	2,450	724	1,610	1,240	304	189	3,050
30	573	973	1,290	e560	---	3,650	663	1,210	977	258	189	2,350
31	481	---	1,290	e540	---	3,540	---	998	---	208	186	---
TOTAL	24,653	46,232	54,531	46,390	36,580	107,480	44,089	26,115	76,447	13,824	29,369	46,926
MEAN	795	1,541	1,759	1,496	1,306	3,467	1,470	842	2,548	446	947	1,564
MAX	3,070	6,100	4,990	6,090	4,800	9,560	2,650	2,860	6,100	1,000	4,040	5,760
MIN	82	339	523	540	540	1,200	663	415	977	202	183	230
CFSM	1.14	2.22	2.53	2.15	1.88	4.99	2.11	1.21	3.67	0.64	1.36	2.25
IN.	1.32	2.47	2.92	2.48	1.96	5.75	2.36	1.40	4.09	0.74	1.57	2.51

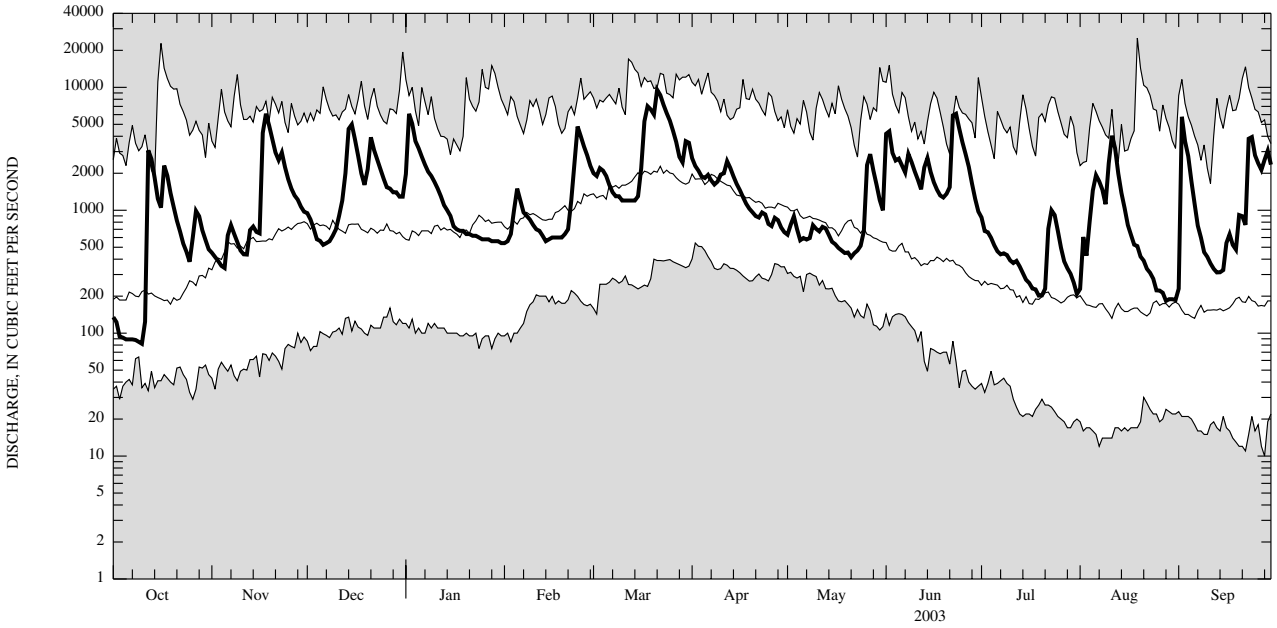
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2003, BY WATER YEAR (WY)

MEAN	529	973	1,190	1,208	1,408	2,303	1,897	1,159	765	470	446	488
MAX	4,217	3,407	3,773	4,054	3,084	5,947	5,466	4,087	3,688	2,735	3,333	2,664
(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)

01371500 WALLKILL RIVER AT GARDINER, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1925 - 2003	
ANNUAL TOTAL	268,493		552,636			
ANNUAL MEAN	736		1,514		1,067	
HIGHEST ANNUAL MEAN					1,900	1928
LOWEST ANNUAL MEAN					390	1965
HIGHEST DAILY MEAN	6,100	Nov 18	9,560	Mar 21	25,200	Aug 19, 1955
LOWEST DAILY MEAN	24	Aug 19	82	Oct 10	10	Sep 28, 1964
ANNUAL SEVEN-DAY MINIMUM	29	Aug 13	88	Oct 4	13	Sep 17, 1964
ANNUAL RUNOFF (CFSM)	1.06		2.18		1.54	
ANNUAL RUNOFF (INCHES)	14.37		29.58		20.87	
10 PERCENT EXCEEDS	2,010		3,550		2,640	
50 PERCENT EXCEEDS	337		948		567	
90 PERCENT EXCEEDS	56		331		107	

e Estimated



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.--Records from January 11 to August 12 are considered poor and are published to the nearest 0.5 ft. Prior to October 2002 published as maximum, minimum, and mean elevation. Elevations are not corrected for changes in water density. Blanks in tables are the result of only one high or low tide during a day or interruption of record. Satellite and telephone elevation, temperature, and specific conductance telemeter at station.

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, 5.0 ft, Mar. 20, 21, Apr. 18; minimum, -3.0 ft, Jan. 14, 22, 23.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.31	1.16	0.26	1.20	1.0	1.5	1.0	---	2.0	1.0	1.5	1.41
2	0.97	0.50	0.20	1.68	0.5	1.5	1.0	---	1.0	1.5	1.5	1.79
3	1.12	0.80	-0.11	2.37	0.0	0.5	1.5	1.0	1.0	1.5	1.5	2.04
4	1.95	1.32	0.25	1.91	1.0	0.5	1.5	1.5	1.5	1.5	1.5	1.82
5	1.75	1.32	0.68	1.49	-0.5	1.0	2.0	1.5	1.5	1.5	1.5	1.50
6	1.20	1.85	1.39	1.54	-0.5	1.0	0.5	1.5	1.0	1.0	1.5	1.34
7	1.80	0.83	1.0	1.05	0.5	1.5	1.0	1.5	1.0	1.5	1.5	1.37
8	1.36	1.61	0.31	1.21	0.5	1.0	2.0	1.5	1.5	1.5	1.0	1.32
9	1.50	0.80	-0.13	1.17	0.0	1.0	1.5	1.5	2.0	1.0	1.5	1.67
10	1.63	1.45	0.66	1.29	0.5	0.5	1.5	1.5	1.5	1.5	1.5	1.53
11	1.74	1.47	0.91	0.0	0.0	1.0	2.0	1.5	1.5	1.5	---	1.12
12	2.48	0.84	1.27	-0.5	0.5	1.0	1.5	2.0	1.5	1.5	---	1.76
13	2.29	1.15	1.32	0.0	-1.0	0.5	1.5	1.5	1.5	1.0	1.44	1.58
14	1.08	1.25	1.94	-0.5	-0.5	1.0	1.0	1.5	1.5	1.0	1.18	1.49
15	1.82	1.03	0.58	0.5	0.0	1.0	1.0	1.5	1.5	1.5	1.35	1.53
16	2.58	0.90	1.05	0.0	-0.5	1.0	1.0	1.5	1.5	1.5	1.58	1.38
17	1.74	2.25	1.09	0.5	1.0	1.5	2.0	1.5	1.5	1.0	1.50	1.27
18	1.60	0.77	1.19	0.5	1.5	2.0	2.0	1.5	1.5	1.5	1.61	1.92
19	1.72	0.14	1.08	1.0	1.0	2.5	1.5	1.0	1.5	1.5	1.42	2.92
20	0.91	1.15	1.68	0.0	0.5	2.5	1.5	1.0	1.5	1.5	0.99	1.47
21	1.23	1.40	1.34	-0.5	0.5	2.5	1.5	1.0	1.5	1.5	1.15	1.33
22	1.28	1.83	0.93	-0.5	1.0	2.5	1.5	1.0	1.5	1.5	1.35	1.70
23	0.85	0.20	0.84	-1.0	1.5	2.5	1.0	1.0	1.5	1.5	1.07	2.38
24	0.84	-0.09	0.65	0.0	-0.5	2.0	0.5	1.5	1.5	1.0	1.09	1.62
25	1.09	0.35	2.03	0.5	0.0	2.0	1.0	1.5	1.5	1.0	1.21	1.90
26	2.14	1.02	0.08	0.5	0.5	1.5	1.5	1.5	1.5	1.0	1.26	1.65
27	1.13	1.01	0.83	0.0	1.0	1.5	1.0	1.5	1.5	1.0	1.48	2.06
28	0.99	0.79	0.89	0.5	1.5	1.5	---	1.5	1.5	1.0	1.21	2.36
29	0.99	0.96	0.96	0.5	---	1.5	---	1.5	1.5	1.0	1.40	2.24
30	1.27	1.10	0.87	0.5	---	1.0	---	1.5	1.0	1.0	1.33	1.50
31	1.41	---	1.32	1.0	---	1.0	---	1.5	---	1.0	1.19	---
MEAN	1.48	1.04	0.88	0.58	0.39	1.40	---	---	1.45	1.27	---	1.70
MAX	2.58	2.25	2.03	2.37	1.50	2.50	---	---	2.00	1.50	---	2.92
MIN	0.84	-0.09	-0.13	-1.00	-1.00	0.50	---	---	1.00	1.00	---	1.12

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.95	2.80	2.48	3.38	3.5	3.5	2.5	---	4.0	3.0	3.5	3.32
2	2.85	2.52	2.42	4.04	2.5	4.0	3.0	---	3.0	3.5	3.5	3.86
3	3.03	2.88	1.94	4.89	2.5	3.5	3.0	3.0	3.5	3.5	3.0	3.97
4	4.09	3.54	2.82	4.19	3.5	3.0	3.5	3.5	3.5	3.5	3.5	3.57
5	3.71	3.50	3.15	3.66	2.0	3.0	4.0	3.5	3.5	3.0	3.5	3.46
6	3.11	4.21	3.82	3.59	1.5	3.0	3.0	3.5	3.0	3.0	4.0	3.58
7	4.13	3.09	3.22	2.61	2.0	3.0	2.5	3.5	3.0	3.0	3.5	3.55
8	3.53	3.63	2.24	2.76	2.0	3.0	3.5	3.0	3.0	3.5	3.5	3.79
9	3.58	2.75	2.16	2.81	1.5	3.5	3.0	3.0	3.5	3.0	4.0	4.06
10	3.65	3.45	2.13	2.84	1.5	2.0	3.0	3.0	3.5	4.0	4.0	3.07
11	3.70	3.04	2.60	1.5	1.5	2.5	3.5	3.5	3.5	4.0	---	3.27
12	4.41	2.16	2.95	0.5	2.5	2.5	3.5	3.5	3.5	4.0	---	3.49
13	3.83	2.61	2.77	2.0	1.5	2.0	3.0	3.5	4.0	2.5	3.65	3.44
14	2.78	2.75	3.59	1.0	1.5	2.5	3.5	3.5	3.0	3.5	3.37	3.22
15	3.46	2.43	2.17	2.5	2.0	3.0	3.5	4.0	4.0	3.5	3.08	3.20
16	4.06	3.22	3.21	2.5	2.0	3.5	3.0	3.5	4.0	3.5	3.25	2.77
17	3.71	3.78	3.16	3.0	4.0	4.0	4.0	4.5	4.0	3.0	3.02	2.77
18	3.13	2.74	3.28	3.0	4.0	4.0	5.0	4.0	3.5	3.0	3.03	3.40
19	3.47	2.30	3.13	3.5	3.5	4.5	4.0	3.5	3.5	3.0	2.82	4.35
20	2.48	3.29	4.12	2.5	3.0	5.0	3.5	3.5	3.5	2.5	2.56	3.08
21	2.96	3.42	3.67	2.0	2.5	5.0	3.5	3.0	3.0	3.0	2.92	3.16
22	3.08	4.02	3.06	1.0	3.0	4.5	3.5	2.5	3.0	3.0	3.06	3.83
23	2.54	2.68	2.57	1.5	4.0	4.5	3.0	2.5	3.0	3.0	2.82	4.13
24	2.76	1.72	2.42	2.0	1.5	4.0	2.0	3.0	3.0	3.0	3.04	3.81
25	2.95	2.47	4.72	2.5	2.0	3.5	2.5	3.0	3.0	3.0	3.37	3.86
26	4.12	3.10	1.88	2.5	2.5	3.5	3.0	3.5	3.5	3.0	3.84	3.63
27	2.78	2.41	2.32	2.0	3.0	3.0	2.5	3.5	3.5	3.5	2.96	4.23
28	2.51	2.54	2.67	2.5	3.5	3.0	---	3.5	3.5	1.5	3.57	4.58
29	2.68	3.15	3.11	2.5	---	3.5	---	3.5	3.5	3.5	3.32	4.58
30	3.02	2.88	2.90	2.5	---	3.0	---	2.5	2.0	3.5	3.48	3.65
31	3.34	---	3.51	3.0	---	2.5	---	4.0	---	3.5	3.21	---
MEAN	3.30	2.97	2.91	2.61	2.50	3.39	---	---	3.37	3.19	---	3.62
MAX	4.41	4.21	4.72	4.89	4.00	5.00	---	---	4.00	4.00	---	4.58
MIN	2.48	1.72	1.88	0.50	1.50	2.00	---	---	2.00	1.50	---	2.77

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.11	2.55	1.31	---	2.5	3.0	2.5	---	3.0	2.0	3.0	3.01
2	1.88	2.23	2.09	3.05	2.5	---	2.5	---	2.0	2.5	3.0	2.97
3	2.60	2.75	1.49	3.23	1.5	1.5	3.0	2.5	2.0	2.5	3.0	3.15
4	3.72	3.10	---	3.72	2.0	2.0	3.0	2.5	2.5	2.5	3.0	2.90
5	3.03	---	1.87	2.77	1.0	2.5	3.5	2.5	2.5	2.5	2.5	2.39
6	---	3.44	2.89	2.84	1.0	3.0	1.5	2.0	2.0	2.5	2.5	2.13
7	3.60	1.92	2.33	2.50	1.5	3.0	2.0	2.0	2.5	3.0	2.5	2.50
8	3.05	2.98	1.77	2.57	1.5	2.0	2.5	2.0	3.0	2.5	2.5	2.49
9	3.10	1.96	0.23	1.97	0.5	1.5	1.5	2.0	3.5	2.5	2.5	3.04
10	3.09	2.17	1.93	2.08	1.5	1.0	2.5	2.5	2.5	2.5	2.5	---
11	2.82	2.64	1.47	1.0	1.0	1.5	2.5	3.0	2.5	3.0	---	2.66
12	3.44	1.79	1.93	0.0	-0.5	1.5	3.0	3.5	3.0	3.0	---	3.30
13	3.36	2.08	2.50	0.5	0.5	2.0	3.0	3.0	3.0	---	2.99	3.27
14	1.63	2.47	2.46	1.0	1.0	2.5	3.0	3.0	---	2.5	2.68	2.83
15	2.81	2.33	1.74	1.0	1.0	2.5	3.0	3.0	3.0	3.0	2.96	2.83
16	3.63	2.02	1.44	2.0	---	3.0	---	---	3.0	3.0	3.23	2.73
17	3.03	3.38	2.31	---	2.0	---	3.0	3.0	2.5	2.5	3.01	2.00
18	2.82	0.59	2.27	1.0	3.5	4.0	3.5	3.0	2.5	2.5	2.76	2.37
19	2.86	2.20	---	3.0	3.0	4.5	3.0	2.5	3.0	2.5	2.50	3.76
20	---	---	2.42	2.0	2.5	4.5	3.0	2.5	2.5	2.5	1.73	1.74
21	2.56	2.54	2.69	1.0	2.5	4.0	3.0	2.0	3.0	2.5	1.53	1.73
22	2.65	2.69	1.88	1.0	3.0	4.0	2.5	2.0	2.5	2.5	1.72	2.36
23	2.52	1.31	2.48	0.0	3.0	3.5	1.5	2.5	3.0	2.0	1.61	3.83
24	1.85	0.71	2.11	2.0	1.0	3.0	1.5	2.5	2.5	2.0	1.95	3.06
25	2.13	1.07	2.69	2.0	0.5	3.0	2.5	2.5	2.0	1.5	2.17	3.64
26	2.79	1.52	1.12	2.0	2.0	2.5	3.0	3.0	2.0	1.5	2.33	---
27	2.21	2.29	2.19	1.0	2.5	2.5	2.5	2.5	2.5	2.0	---	3.72
28	1.88	2.01	2.19	1.5	3.5	2.5	2.5	2.5	2.0	---	2.82	4.15
29	1.72	1.94	1.97	2.0	---	3.0	---	2.5	2.0	2.5	3.26	3.89
30	2.16	2.57	2.56	2.0	---	2.5	---	---	---	2.5	3.10	3.05
31	2.47	---	2.81	---	---	---	---	2.5	---	2.5	2.70	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	-0.44	-0.87	-0.75	-1.0	-0.5	-0.5	---	0.5	-0.5	-0.5	-0.31
2	-0.45	-1.31	-1.57	-0.11	-1.0	-0.5	-0.5	---	-0.5	-0.5	-0.5	0.51
3	-0.52	-1.09	-1.91	0.95	-2.0	-1.0	0.0	0.0	-0.5	0.0	0.0	---
4	0.13	-0.49	-1.54	0.17	-1.0	-1.5	0.5	0.0	0.0	0.0	0.0	0.38
5	0.31	-0.45	-0.84	-0.10	-2.0	-1.0	1.0	0.0	0.0	-0.5	---	0.04
6	-0.59	-0.03	-0.54	-0.15	-1.5	-1.0	-1.0	0.0	0.0	-0.5	0.0	-0.27
7	-0.22	-0.67	-0.77	-0.46	-1.5	-0.5	0.0	0.0	0.0	---	-0.5	-0.30
8	-0.52	-0.12	-1.41	0.15	-1.0	-0.5	0.5	0.5	---	0.0	-0.5	-0.48
9	-0.21	-0.58	-0.87	0.18	---	0.0	0.5	---	0.0	0.0	-0.5	0.00
10	-0.12	---	-0.54	---	-1.0	-0.5	---	0.0	0.0	-0.5	-0.5	-0.16
11	0.40	0.32	---	-0.5	-0.5	---	1.0	0.0	-0.5	0.0	---	-0.67
12	---	-0.36	0.31	-2.0	-0.5	-0.5	0.5	0.5	-0.5	0.0	---	0.20
13	1.23	0.24	0.63	-0.5	-2.5	-0.5	0.0	0.0	-0.5	-0.5	-0.38	-0.18
14	0.20	0.23	1.18	-1.5	-2.5	-0.5	-0.5	-0.5	0.0	-1.0	-0.60	0.09
15	0.73	-0.31	-0.57	-1.0	-2.0	-0.5	-0.5	0.5	-0.5	-0.5	-0.15	0.15
16	1.82	-0.45	-0.22	-1.5	-2.0	-0.5	-1.0	-0.5	0.0	-0.5	0.11	-0.01
17	0.21	1.02	-0.37	-1.5	0.0	0.0	0.5	0.0	-0.5	-0.5	0.44	0.48
18	0.37	0.34	-0.33	-1.0	-0.5	0.0	0.5	-0.5	0.0	-0.5	0.67	1.75
19	0.44	-0.85	-0.50	-1.0	-1.0	1.0	-0.5	-1.0	0.0	0.0	---	---
20	-0.65	-0.18	0.44	-1.5	-1.5	0.5	-0.5	-0.5	0.5	0.5	0.19	0.44
21	-0.36	-0.12	-0.37	-2.5	-1.5	1.0	0.0	-0.5	---	---	-0.06	0.16
22	-0.31	0.55	-0.41	-2.5	-0.5	1.0	0.0	---	0.5	0.5	0.31	0.37
23	-0.57	-0.99	-0.78	-2.0	---	1.0	---	0.0	0.5	0.0	-0.20	0.74
24	-0.52	-1.40	-0.84	---	-2.0	---	-1.0	0.5	0.5	0.0	-0.26	-0.21
25	-0.27	-0.78	---	-1.0	-1.5	0.5	-0.5	0.0	0.5	-0.5	-0.27	0.03
26	0.99	---	-0.38	-1.0	-1.5	0.5	0.5	0.0	0.0	-0.5	-0.47	-0.35
27	-0.13	-0.20	-0.51	-1.5	-1.0	0.5	0.0	0.5	0.0	-0.5	-0.30	0.24
28	---	-0.51	-0.63	-1.0	-0.5	0.5	-0.5	0.0	-0.5	-1.0	-0.78	0.39
29	-0.24	-0.49	-0.53	-1.5	---	0.0	---	0.0	-0.5	-0.5	-0.43	0.40
30	0.02	-0.58	-0.81	-1.5	---	0.0	---	0.0	-0.5	-0.5	-0.62	-0.15
31	-0.14	---	-0.50	-1.0	---	0.0	---	0.0	---	-0.5	-0.45	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.14	-0.66	-2.04	-0.75	-1.0	-0.5	-1.0	---	0.0	-1.0	-0.5	-0.65
2	-0.75	-1.72	-2.02	-0.39	-2.0	-1.0	-0.5	---	-0.5	-0.5	-0.5	-0.34
3	-0.78	-1.31	-1.97	0.09	-2.0	-2.0	-0.5	-0.5	-0.5	-0.5	-0.5	0.07
4	-0.14	-0.95	-2.06	-0.13	-1.0	-1.5	0.0	0.0	0.0	-0.5	-0.5	0.06
5	-0.48	-0.90	-1.85	-0.51	-2.5	-1.5	0.5	0.0	0.0	-0.5	-0.5	-0.22
6	-1.16	-0.12	-0.61	-0.24	-2.0	-1.0	-1.0	0.0	-0.5	-1.0	-0.5	-0.31
7	-0.29	-1.22	-0.96	-0.48	-1.5	-0.5	-1.0	0.0	-0.5	-1.0	-1.0	-0.41
8	-0.79	-0.29	-1.75	-0.56	-1.0	-1.0	0.5	0.0	-0.5	-1.0	-1.0	-0.50
9	-0.71	-1.13	-1.98	-0.41	-1.5	-1.5	0.5	0.0	0.0	-1.0	-1.0	-0.24
10	-0.41	-0.24	-1.12	0.49	-1.5	-1.0	0.5	-0.5	-1.0	-0.5	-0.5	-0.59
11	-0.26	0.14	-0.47	-1.0	-1.5	-0.5	0.5	-0.5	-1.0	-0.5	---	-0.85
12	0.69	-0.74	0.21	-2.0	-2.0	-0.5	0.5	0.0	-1.0	-0.5	-0.5	-0.21
13	0.80	-0.46	-0.96	-1.5	-2.5	-1.0	-0.5	-0.5	-0.5	-1.0	-0.39	-0.19
14	-0.27	-0.61	0.28	-3.0	-2.5	-0.5	-1.0	-0.5	-0.5	-1.0	-0.65	-0.47
15	-0.02	-0.42	-1.08	-1.0	-2.5	-1.0	-1.0	-0.5	-0.5	-0.5	-0.60	-0.20
16	0.62	-1.04	-0.91	-2.0	-2.5	-0.5	-1.0	-0.5	-0.5	-0.5	-0.33	-0.09
17	0.17	0.61	-0.82	-1.5	-1.5	-0.5	-0.5	-0.5	-0.5	-1.0	-0.32	-0.12
18	-0.14	-1.60	-0.55	-2.0	-0.5	0.5	-0.5	-1.0	-0.5	-0.5	-0.22	0.72
19	-0.08	-2.36	-0.78	-1.0	-1.0	0.5	-0.5	-1.0	-0.5	-0.5	-0.17	1.74
20	-0.72	-0.80	-0.36	-2.5	-1.5	0.5	-0.5	-1.0	-0.5	-0.5	-0.53	0.12
21	-0.46	-0.38	-0.62	-2.5	-1.5	0.5	-0.5	-0.5	0.0	-0.5	-0.29	-0.11
22	-0.46	-0.04	-1.00	-3.0	-1.0	0.5	0.0	-0.5	-0.5	-0.5	0.01	0.05
23	-1.04	-1.92	-0.95	-3.0	0.0	0.5	-0.5	-0.5	0.0	-0.5	-0.23	0.74
24	-0.89	-1.49	-1.22	-1.5	-2.0	0.5	-1.0	0.0	0.0	-0.5	-0.53	-0.23
25	-0.56	-1.32	0.29	-1.5	-2.0	0.5	-0.5	-0.5	0.0	-0.5	-0.49	-0.03
26	0.27	-0.45	-1.54	-1.5	-2.0	0.5	0.0	0.0	0.0	-0.5	-0.63	-0.37
27	-0.53	-0.37	-1.69	-2.0	-1.0	0.0	-0.5	-0.5	0.0	-0.5	-0.58	-0.28
28	-0.10	-1.08	-1.12	-2.0	-0.5	0.0	---	0.0	-0.5	-1.0	-0.89	0.33
29	-0.57	-1.27	-1.04	-1.5	---	0.0	---	0.0	-0.5	-1.0	-0.79	0.27
30	-0.46	-0.96	-1.52	-1.5	---	-0.5	---	0.0	-0.5	-0.5	-0.84	-0.52
31	-0.28	---	-0.85	-1.0	---	-1.0	---	0.0	---	-1.0	-1.02	---
MEAN	-0.32	-0.84	-1.07	-1.34	-1.57	-0.42	---	---	-0.38	-0.68	---	-0.09
MAX	0.80	0.61	0.29	0.49	0.00	0.50	---	---	0.00	-0.50	---	1.74
MIN	-1.16	-2.36	-2.06	-3.00	-2.50	-2.00	---	---	-1.00	-1.00	---	-0.85

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1992 to current year.
SEDIMENT DATA: 2002-03 (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. Supplementary water-temperature recorder about 2,500 ft west.

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, 922 µS/cm, Oct. 7; minimum, 192 µS/cm, May 11.
WATER TEMPERATURE: Maximum, 27.5°C, Aug. 21, 22, 23; minimum, 0.0°C on many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sampling depth, feet (00003)	Sampling method, code (82398)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
OCT					
31...	1038	50.0	50	96	12
31...	1101	25.0	50	85	12
31...	1105	5.0	50	98	8
MAR					
26...	1236	52.0	50	96	72
26...	1305	30.0	50	97	67
26...	1308	5.0	50	96	72
26...	1314	52.0	50	96	72
31...	1308	52.0	50	98	33
31...	1347	30.0	50	98	27
31...	1352	5.0	50	99	25
31...	1434	52.0	50	99	45
31...	1506	52.0	50	98	47
31...	1533	52.0	50	96	41
31...	1601	52.0	50	96	49
31...	1618	15.0	50	98	39
APR					
10...	1021	52.0	50	99	31
10...	1045	30.0	50	99	24
10...	1049	5.0	50	97	20
JUL					
29...	0528	50.0	50	97	42
29...	0535	50.0	50	96	62
29...	0540	50.0	50	96	62
29...	0544	50.0	50	96	47
29...	0547	50.0	50	96	33
29...	0551	50.0	50	98	36
29...	0554	30.0	50	99	16
29...	0601	10.0	50	95	10
SEP					
08...	1149	55.0	50	96	12
08...	1157	30.0	50	96	10
08...	1200	10.0	50	98	8

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	601	468	541	277	264	269	281	257	269	313	271	286
2	639	446	498	281	264	269	293	253	269	525	272	329
3	558	446	498	274	263	267	348	253	279	317	288	295
4	814	466	569	275	262	266	274	257	263	324	286	295
5	829	493	606	281	261	266	270	253	258	350	282	293
6	797	432	559	283	253	265	288	251	263	383	282	302
7	922	500	567	287	265	273	282	244	259	316	283	297
8	716	470	539	280	266	272	266	248	255	299	275	288
9	705	470	541	289	271	278	276	247	255	296	274	286
10	809	492	548	302	274	279	254	241	248	299	270	277
11	761	450	534	302	275	288	255	239	247	275	266	269
12	689	447	510	287	279	282	296	242	258	271	267	269
13	482	360	409	301	277	285	311	237	255	285	267	274
14	394	275	318	285	278	280	387	251	280	291	270	281
15	334	280	305	298	277	284	266	238	249	296	277	284
16	338	281	298	315	257	287	326	240	257	308	278	294
17	288	266	278	359	241	276	291	252	262	314	287	300
18	276	259	266	308	279	287	273	253	259	315	289	305
19	267	252	259	323	271	282	273	253	260	325	299	307
20	272	253	260	302	273	287	306	255	266	354	303	315
21	284	254	266	299	267	273	280	253	264	356	307	316
22	277	264	269	304	265	281	285	257	264	382	309	323
23	275	263	266	294	253	273	289	253	266	388	316	326
24	276	263	266	303	259	269	278	252	262	349	316	324
25	280	261	265	268	244	255	310	254	271	369	316	326
26	269	258	262	268	249	255	360	264	292	348	319	327
27	277	260	264	310	243	266	311	271	279	365	320	328
28	273	261	266	275	253	265	300	270	278	350	323	328
29	288	262	267	290	260	269	290	270	276	345	323	327
30	271	263	266	278	260	265	319	273	284	341	324	330
31	276	262	268	---	---	---	364	277	294	347	323	328
MONTH	922	252	382	359	241	274	387	237	266	525	266	304
		FEBRUARY			MARCH			APRIL			MAY	
1	349	325	331	---	---	---	---	---	---	289	200	234
2	352	325	333	---	---	---	---	---	---	342	196	231
3	376	326	333	---	---	---	---	---	---	311	198	241
4	407	324	338	---	---	---	---	---	---	277	199	225
5	388	319	331	---	---	---	---	---	---	283	197	216
6	347	314	324	---	---	---	---	---	---	316	201	231
7	370	308	324	---	---	---	---	---	---	342	202	239
8	332	308	315	---	---	---	---	---	---	305	204	231
9	322	305	311	---	---	---	---	---	---	301	203	234
10	327	303	308	---	---	---	---	---	---	327	199	231
11	341	301	308	---	---	---	---	---	---	369	192	226
12	356	301	312	---	---	---	---	---	---	260	199	217
13	385	221	307	---	---	---	---	---	---	317	199	224
14	364	305	311	---	---	---	---	---	---	288	207	229
15	339	306	312	---	---	---	---	---	---	304	213	244
16	---	---	---	---	---	---	534	---	---	300	211	234
17	---	---	---	---	---	---	375	268	306	304	203	235
18	---	---	---	---	---	---	377	269	302	296	199	223
19	---	---	---	---	---	---	421	276	323	283	199	228
20	---	---	---	---	---	---	417	281	324	299	200	228
21	---	---	---	---	---	---	460	282	330	295	205	232
22	---	---	---	---	---	---	479	279	324	290	207	228
23	---	---	---	---	---	---	362	271	305	301	213	235
24	---	---	---	---	---	---	462	259	312	301	214	243
25	---	---	---	---	---	---	427	256	300	287	223	247
26	---	---	---	---	---	---	355	248	280	274	199	231
27	---	---	---	---	---	---	376	240	285	299	217	239
28	---	---	---	---	---	---	388	234	274	284	219	241
29	---	---	---	---	---	---	322	215	259	297	223	251
30	---	---	---	---	---	---	312	204	243	326	219	248
31	---	---	---	---	---	---	---	---	---	310	215	233
MONTH	---	---	---	---	---	---	---	---	---	369	192	233

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	305	204	240	290	230	248	298	258	269	309	268	294
2	276	205	230	278	232	247	300	264	275	302	254	290
3	274	207	225	282	232	249	329	241	280	299	280	290
4	276	209	224	299	233	249	314	276	286	299	274	286
5	264	209	225	303	236	251	318	260	289	294	270	281
6	283	214	233	295	235	253	316	279	291	298	263	275
7	330	219	239	285	235	251	325	286	298	286	262	273
8	302	225	242	270	236	248	340	289	301	304	257	272
9	290	228	243	288	215	245	336	290	308	284	262	271
10	352	232	259	278	236	248	336	277	312	297	260	272
11	318	234	254	269	239	248	351	306	320	292	255	270
12	373	220	256	276	240	249	345	299	316	282	257	270
13	314	220	263	312	240	254	343	301	309	283	255	269
14	320	238	259	299	239	251	332	296	304	280	261	269
15	317	239	258	285	240	250	316	293	301	300	261	269
16	302	240	258	276	242	252	316	291	299	311	255	267
17	315	239	255	304	241	253	339	289	298	274	257	265
18	297	238	255	294	242	251	307	290	296	275	255	266
19	279	237	251	281	241	250	308	292	297	289	254	266
20	277	235	249	287	241	255	306	290	297	286	254	266
21	344	208	245	279	210	248	315	293	303	277	250	263
22	287	227	241	275	225	247	330	297	305	277	250	264
23	276	225	241	284	244	254	310	297	302	276	255	263
24	294	224	246	281	247	258	310	296	301	284	251	262
25	303	225	247	296	249	266	315	296	302	276	250	262
26	300	225	248	302	255	271	322	297	303	284	251	264
27	291	227	247	315	256	272	311	295	302	285	255	266
28	292	230	246	312	254	267	321	294	301	309	248	271
29	292	230	242	310	254	267	315	293	304	310	271	280
30	286	232	249	293	256	268	317	296	304	297	265	277
31	---	---	---	298	259	268	317	292	303	---	---	---
MONTH	373	204	246	315	210	254	351	241	299	311	248	272

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.0	21.5	22.0	11.0	11.0	11.0	4.5	4.0	4.0	1.0	0.5	0.5
2	22.5	21.5	22.0	11.0	10.5	10.5	4.0	3.5	4.0	0.5	0.5	0.5
3	22.0	21.5	22.0	10.5	10.5	10.5	3.5	3.0	3.5	0.5	0.0	0.0
4	21.5	21.0	21.5	10.5	10.0	10.5	3.5	3.0	3.0	0.5	0.0	0.0
5	22.0	21.0	21.5	10.5	10.0	10.0	3.0	3.0	3.0	0.5	0.0	0.0
6	21.5	21.0	21.0	10.5	9.5	10.0	3.0	2.5	3.0	0.0	0.0	0.0
7	21.5	21.0	21.0	10.0	9.0	9.5	3.0	2.5	2.5	0.0	0.0	0.0
8	21.0	20.5	20.5	9.5	9.0	9.5	2.5	2.0	2.5	0.0	0.0	0.0
9	20.5	20.5	20.5	9.0	9.0	9.0	2.0	1.5	2.0	0.0	0.0	0.0
10	20.5	20.0	20.5	9.5	9.0	9.0	2.0	1.5	2.0	0.0	0.0	0.0
11	20.0	18.5	19.5	9.5	9.0	9.0	2.0	1.0	1.5	0.0	0.0	0.0
12	19.5	18.0	19.5	9.0	8.5	9.0	2.0	1.5	1.5	0.0	0.0	0.0
13	19.5	19.0	19.0	9.0	8.5	8.5	1.5	1.0	1.5	0.0	0.0	0.0
14	19.0	18.5	18.5	8.5	8.0	8.5	2.0	1.5	1.5	0.0	0.0	0.0
15	18.5	18.0	18.5	8.5	8.0	8.0	1.5	0.5	1.0	0.0	0.0	0.0
16	18.0	16.0	17.5	8.0	7.0	7.5	1.0	0.0	0.5	0.0	0.0	0.0
17	17.5	17.0	17.0	7.5	6.5	7.0	0.5	0.0	0.0	0.0	0.0	0.0
18	17.0	16.0	16.5	7.5	6.5	7.0	0.5	0.0	0.0	0.0	0.0	0.0
19	16.5	15.5	16.0	7.0	7.0	7.0	0.5	0.0	0.0	0.0	0.0	0.0
20	15.5	15.0	15.0	7.5	6.5	7.0	1.0	0.0	0.5	0.0	0.0	0.0
21	15.0	14.5	15.0	7.0	6.5	6.5	0.5	0.0	0.0	0.0	0.0	0.0
22	15.0	14.0	14.5	7.0	6.5	6.5	0.5	0.0	0.0	0.0	0.0	0.0
23	14.5	13.5	14.0	6.5	6.0	6.0	0.5	0.0	0.5	0.0	0.0	0.0
24	14.0	13.5	13.5	6.0	6.0	6.0	0.5	0.0	0.5	0.0	0.0	0.0
25	13.5	13.0	13.5	6.0	5.5	6.0	0.5	0.0	0.0	0.0	0.0	0.0
26	13.5	13.0	13.5	5.5	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
27	13.0	12.5	13.0	5.5	5.0	5.0	0.5	0.0	0.0	0.0	0.0	0.0
28	13.0	12.5	12.5	5.0	4.5	4.5	0.5	0.0	0.0	0.0	0.0	0.0
29	12.5	12.0	12.0	4.5	4.5	4.5	0.5	0.0	0.0	0.0	0.0	0.0
30	12.0	11.5	11.5	5.0	4.5	4.5	0.5	0.0	0.5	0.0	0.0	0.0
31	11.5	11.0	11.5	---	---	---	0.5	0.0	0.5	0.0	0.0	0.0
MONTH	22.5	11.0	17.2	11.0	4.5	7.8	4.5	0.0	1.3	1.0	0.0	0.0
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.0	0.0	0.0	6.0	5.5	6.0	12.5	11.5	12.0
2	0.0	0.0	0.0	0.0	0.0	0.0	6.0	5.5	5.5	12.5	11.5	12.0
3	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	12.5	11.5	12.0
4	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	12.5	11.5	12.0
5	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.0	5.0	12.5	12.0	12.0
6	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.5	4.5	12.5	12.0	12.0
7	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.0	4.0	13.0	12.0	12.5
8	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.5	4.0	13.0	12.5	12.5
9	0.0	0.0	0.0	0.5	0.0	0.0	4.0	3.5	3.5	13.0	12.5	13.0
10	0.0	0.0	0.0	0.5	0.0	0.5	3.5	3.5	3.5	14.0	12.5	13.0
11	0.0	0.0	0.0	0.5	0.0	0.5	3.5	3.5	3.5	14.0	13.0	13.5
12	0.0	0.0	0.0	0.5	0.0	0.5	3.5	3.5	3.5	14.0	13.0	13.5
13	0.0	0.0	0.0	0.5	0.0	0.0	4.0	3.5	3.5	14.5	13.5	14.0
14	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.5	4.0	14.5	13.5	14.0
15	0.0	0.0	0.0	0.5	0.0	0.0	7.5	4.0	5.0	16.0	14.0	14.5
16	0.0	0.0	0.0	0.5	0.0	0.5	7.5	5.0	6.0	15.0	14.5	14.5
17	0.0	0.0	0.0	0.5	0.5	0.5	6.0	5.5	6.0	16.0	14.5	15.0
18	0.0	0.0	0.0	0.5	0.5	0.5	7.0	5.5	6.0	15.5	14.5	15.0
19	0.0	0.0	0.0	0.5	0.5	0.5	8.0	6.5	7.0	16.0	14.5	15.0
20	0.0	0.0	0.0	0.5	0.5	0.5	8.5	7.0	8.0	16.0	15.0	15.5
21	0.0	0.0	0.0	1.0	0.5	0.5	9.5	8.0	8.5	15.5	15.0	15.5
22	0.0	0.0	0.0	2.0	1.0	1.5	10.0	8.5	9.0	15.5	15.0	15.0
23	0.0	0.0	0.0	2.5	2.0	2.5	9.5	9.0	9.0	15.5	15.0	15.0
24	0.0	0.0	0.0	3.0	2.5	2.5	11.0	9.0	10.0	15.5	15.0	15.0
25	0.0	0.0	0.0	3.5	3.0	3.0	11.0	9.5	10.0	16.0	15.0	15.5
26	0.0	0.0	0.0	4.0	3.5	4.0	10.5	10.0	10.5	15.5	15.0	15.0
27	0.0	0.0	0.0	4.5	4.0	4.5	11.5	10.0	11.0	17.0	15.0	15.5
28	0.0	0.0	0.0	5.0	4.5	5.0	12.0	10.5	11.0	16.5	15.5	16.0
29	---	---	---	6.0	5.0	5.5	12.0	11.0	11.5	16.5	15.5	16.0
30	---	---	---	6.5	5.5	6.0	12.5	11.0	11.5	17.0	16.0	16.0
31	---	---	---	6.5	6.0	6.0	---	---	---	16.5	16.0	16.5
MONTH	0.0	0.0	0.0	6.5	0.0	1.5	12.5	3.5	6.7	17.0	11.5	14.1

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.5	16.0	16.0	23.0	21.5	22.0	26.5	26.0	26.0	26.0	24.0	25.5
2	17.0	16.0	16.5	23.0	22.0	22.5	26.5	26.0	26.0	25.5	22.0	25.0
3	17.0	16.5	16.5	23.5	22.0	22.5	26.5	25.5	26.0	25.0	24.5	24.5
4	17.0	16.5	16.5	23.5	22.5	23.0	26.5	26.0	26.0	24.5	24.0	24.5
5	17.0	16.5	17.0	24.0	23.0	23.5	26.5	26.0	26.0	24.5	24.0	24.0
6	17.5	16.5	17.0	24.0	23.0	23.5	26.5	25.5	26.0	24.0	23.5	23.5
7	17.0	17.0	17.0	24.0	23.5	24.0	26.5	26.0	26.0	24.5	23.0	23.5
8	17.5	17.0	17.0	24.5	23.5	24.0	26.5	26.0	26.0	24.0	22.5	23.0
9	17.5	17.0	17.0	24.5	23.0	24.0	26.5	25.5	26.0	24.0	22.5	23.0
10	18.5	17.0	17.5	24.5	24.0	24.0	27.0	26.0	26.5	24.0	22.5	23.0
11	18.0	17.5	17.5	24.5	24.0	24.0	27.0	25.5	26.5	23.5	22.5	22.5
12	18.0	17.5	18.0	25.0	24.0	24.0	27.0	26.0	26.5	23.0	22.5	22.5
13	18.0	17.5	18.0	25.0	24.0	24.5	27.0	26.0	26.0	23.0	22.0	22.5
14	19.5	17.5	18.0	25.0	24.0	24.5	27.0	26.0	26.0	23.0	22.0	22.5
15	19.5	18.0	18.5	25.5	24.0	24.5	27.0	26.0	26.5	23.0	22.0	22.5
16	19.5	18.5	19.0	25.5	24.5	25.0	27.0	26.0	26.5	23.0	22.0	22.5
17	19.5	18.5	19.0	25.5	24.5	25.0	26.5	26.0	26.5	22.5	22.0	22.5
18	19.5	19.0	19.0	25.0	24.5	25.0	26.5	26.0	26.5	22.5	22.0	22.5
19	20.0	19.0	19.5	25.5	24.5	25.0	27.0	26.0	26.5	22.5	22.0	22.5
20	19.5	19.5	19.5	25.5	25.0	25.0	27.0	26.5	26.5	23.0	22.0	22.5
21	19.5	18.5	19.0	25.5	24.0	25.0	27.5	26.5	27.0	22.5	22.0	22.5
22	19.5	18.5	19.5	26.0	24.0	25.5	27.5	26.5	27.0	22.5	22.0	22.0
23	20.5	19.5	20.0	26.0	25.0	25.5	27.5	26.5	26.5	22.5	22.0	22.0
24	21.0	20.0	20.0	26.0	25.0	25.5	27.0	26.0	26.5	22.5	21.5	22.0
25	21.5	20.0	20.5	26.5	25.0	25.5	27.0	26.0	26.5	22.0	21.5	22.0
26	22.5	20.5	21.0	26.5	25.5	26.0	26.5	26.0	26.5	22.0	20.0	21.5
27	23.0	21.0	21.5	26.5	25.5	26.0	27.0	26.0	26.5	22.0	21.0	21.5
28	22.5	21.0	21.5	27.0	25.5	26.0	27.0	26.0	26.0	21.5	20.5	21.0
29	22.5	21.5	21.5	27.0	25.5	26.0	26.5	25.5	26.0	21.0	20.5	21.0
30	22.5	21.5	22.0	27.0	25.5	26.0	26.5	25.5	26.0	20.5	20.0	20.0
31	---	---	---	26.5	26.0	26.0	26.0	25.5	25.5	---	---	---
MONTH	23.0	16.0	18.7	27.0	21.5	24.6	27.5	25.5	26.3	26.0	20.0	22.7
YEAR	27.5	0.0	11.8									

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 and crest-stage gage. 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. Satellite and 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)
Nov 17	2115	1,930	6.51	Mar 22	0315	*3,360	*8.23
Jan 2	1345	1,630	6.07	Aug 12	0845	1,840	6.38
Mar 19	0530	2,110	6.75	Sep 29	0100	1,820	6.35

Minimum discharge, 14 ft^3/s, Oct. 8, 9, 10; minimum gage height, 2.44 ft, Oct. 8, 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	84	366	529	162	e350	781	171	642	228	55	74
2	25	77	319	1,370	167	e400	718	190	665	204	61	964
3	22	73	289	1,110	176	e450	657	310	504	178	68	928
4	21	69	242	888	202	e430	609	237	438	159	84	666
5	20	66	238	774	278	e420	584	203	501	150	136	547
6	19	96	238	682	e200	e410	556	192	440	135	269	408
7	18	122	218	616	e180	e400	498	184	390	143	213	319
8	15	108	220	571	e170	e390	495	180	510	235	169	264
9	15	96	196	546	e160	e380	498	179	435	213	138	226
10	15	89	e180	534	e150	e380	488	166	374	232	196	196
11	27	89	e170	487	e150	390	470	161	316	183	1,070	173
12	201	92	e200	443	e140	391	536	219	296	165	1,510	158
13	240	129	275	403	e140	415	484	215	502	138	988	145
14	161	154	468	369	e140	390	428	191	558	119	625	173
15	114	141	900	332	e140	396	400	170	440	107	445	319
16	139	140	838	314	e140	541	369	152	349	104	341	286
17	326	1,090	694	314	e140	1,020	330	140	293	93	325	229
18	265	1,750	551	249	e140	1,630	305	133	276	86	305	183
19	198	1,270	495	e230	e150	1,930	301	122	278	88	244	185
20	160	882	614	e220	e150	1,670	281	111	261	79	198	198
21	133	701	980	e210	e150	2,450	260	106	288	75	169	165
22	114	671	788	e200	189	3,090	262	106	528	224	151	139
23	101	842	669	e190	448	2,310	271	104	760	214	133	393
24	92	717	589	e190	590	1,710	247	107	559	172	114	689
25	86	597	542	187	515	1,360	227	106	434	135	99	460
26	113	523	524	179	445	1,130	219	288	355	105	91	424
27	136	489	512	e170	e400	979	231	544	296	88	85	414
28	121	450	476	e170	e370	831	213	410	252	78	78	1,050
29	105	405	447	e170	---	761	192	378	238	70	71	1,490
30	96	379	409	e160	---	1,060	180	304	265	65	71	1,000
31	89	---	417	161	---	939	---	296	---	58	68	---
TOTAL	3,217	12,391	14,064	12,968	6,382	29,403	12,090	6,375	12,443	4,323	8,570	12,865
MEAN	104	413	454	418	228	948	403	206	415	139	276	429
MAX	326	1,750	980	1,370	590	3,090	781	544	760	235	1,510	1,490
MIN	15	66	170	160	140	350	180	104	238	58	55	74
CFSM	0.57	2.28	2.51	2.31	1.26	5.24	2.23	1.14	2.29	0.77	1.53	2.37
IN.	0.66	2.55	2.89	2.67	1.31	6.04	2.48	1.31	2.56	0.89	1.76	2.64

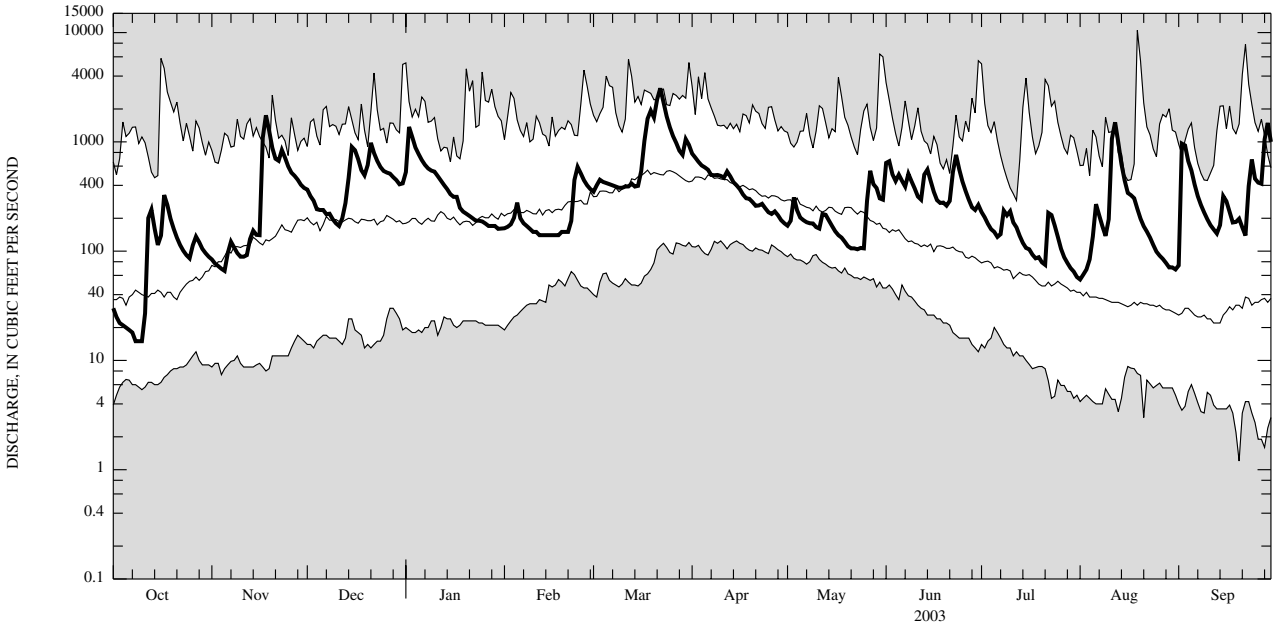
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	117	195	269	302	333	568	494	310	196	117	84.5	99.2
MAX	882	696	949	932	786	1,195	1,112	1,204	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)

01372500 WAPPINGER CREEK NEAR WAPPINGERS FALLS, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	62,718.6		135,091			
ANNUAL MEAN	172		370		256	
HIGHEST ANNUAL MEAN					438	1973
LOWEST ANNUAL MEAN					65.7	1965
HIGHEST DAILY MEAN	1,750	Nov 18	3,090	Mar 22	10,500	Aug 19, 1955
LOWEST DAILY MEAN	6.8	Sep 14	15	Oct 8	1.2	Sep 20, 1964
ANNUAL SEVEN-DAY MINIMUM	9.0	Sep 9	18	Oct 4	2.4	Sep 24, 1964
ANNUAL RUNOFF (CFSM)	0.95		2.04		1.42	
ANNUAL RUNOFF (INCHES)	12.89		27.76		19.24	
10 PERCENT EXCEEDS	472		766		603	
50 PERCENT EXCEEDS	85		240		150	
90 PERCENT EXCEEDS	16		89		22	

e Estimated



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.--Records from December 25 to March 5 are considered poor. Prior to October 2002 published as maximum, minimum, and mean elevation. Elevations are not corrected for changes in water density. Blanks in tables are the result of only one high or low tide during a day or interruption of record. Satellite and telephone elevation, 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, 4.69 ft, Apr. 18; minimum elevation recorded, -2.40 ft, Nov. 19, but may have been less during period of missing record.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.15	1.01	0.20	1.26	---	1.11	0.77	1.29	1.70	0.95	1.28	1.23
2	0.82	0.42	0.11	1.70	---	---	0.98	1.30	0.97	1.13	1.32	1.61
3	1.05	0.71	-0.15	2.34	---	---	1.30	1.03	0.97	1.31	1.27	1.86
4	1.87	1.20	0.17	1.86	---	---	1.60	1.24	1.26	1.27	1.36	1.66
5	1.59	1.20	0.61	1.43	---	---	1.98	1.16	1.40	1.16	1.38	1.38
6	1.09	1.70	1.25	1.46	---	0.80	0.59	1.16	1.05	1.04	1.46	1.24
7	1.63	0.75	0.82	0.98	---	0.95	0.76	1.18	1.06	1.24	1.26	1.25
8	1.22	1.36	0.13	1.09	---	0.70	1.62	1.22	1.38	1.30	1.23	1.24
9	1.32	0.60	-0.17	1.09	---	0.65	1.32	1.23	1.73	1.17	1.24	1.58
10	1.44	1.24	0.54	1.24	---	0.17	1.43	1.13	---	1.39	1.34	1.39
11	1.64	1.29	0.97	---	---	0.50	1.76	1.37	---	1.65	1.37	1.00
12	2.39	0.77	1.36	---	---	0.48	1.60	1.75	---	1.52	1.33	1.63
13	2.13	1.08	1.45	---	---	0.54	1.22	1.30	---	1.14	1.26	1.47
14	1.00	1.13	2.05	---	---	0.65	0.98	1.22	---	1.03	1.01	1.34
15	1.71	0.90	0.67	0.56	---	0.87	1.01	1.25	---	1.19	1.18	1.38
16	2.56	0.95	---	---	---	0.93	0.84	1.54	---	1.34	1.39	1.24
17	1.60	2.20	1.03	0.60	---	1.41	1.76	1.50	---	1.00	1.36	1.17
18	1.44	0.57	1.12	---	---	1.74	1.91	1.06	1.21	1.12	1.44	1.86
19	1.51	0.04	0.97	1.02	---	2.16	1.33	0.88	1.40	1.14	1.26	2.69
20	0.79	0.99	1.54	---	---	2.02	1.28	0.91	1.47	1.18	0.87	1.34
21	1.09	1.26	1.17	---	---	2.08	1.44	0.89	1.57	1.42	1.05	1.22
22	1.15	1.69	0.81	---	---	2.08	1.63	0.90	1.43	1.32	1.24	1.59
23	0.75	0.00	0.71	---	---	1.90	1.02	1.07	1.54	1.20	0.99	2.15
24	0.72	-0.26	0.55	---	---	1.72	0.47	1.38	1.40	1.13	0.98	1.44
25	0.97	0.19	---	---	---	1.65	1.22	1.19	1.32	0.80	1.07	1.71
26	2.00	0.88	---	---	---	1.48	1.69	1.49	1.32	0.75	1.12	1.51
27	0.98	0.93	---	---	---	1.29	1.27	1.40	1.42	0.86	1.30	1.89
28	0.86	0.68	0.92	---	1.28	1.20	1.14	1.44	1.15	0.78	1.06	2.17
29	0.91	0.83	0.98	---	---	1.45	1.00	1.37	1.17	1.17	1.21	1.98
30	1.23	0.95	---	---	---	---	0.98	1.43	1.07	1.08	1.15	1.28
31	1.33	---	1.33	---	---	0.79	---	1.51	---	1.11	1.03	---
MEAN	1.35	0.91	---	---	---	---	1.26	1.25	---	1.16	1.22	1.55
MAX	2.56	2.20	---	---	---	---	1.98	1.75	---	1.65	1.46	2.69
MIN	0.72	-0.26	---	---	---	---	0.47	0.88	---	0.75	0.87	1.00

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

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.65	2.60	2.32	3.28	---	3.09	2.58	3.23	2.93	1.91	3.13	2.99
2	2.46	2.19	2.06	3.95	2.71	3.22	2.82	2.86	1.91	3.09	3.10	3.49
3	2.69	2.55	1.68	4.68	2.04	1.09	2.73	2.24	2.95	3.26	2.89	3.61
4	3.72	3.12	2.47	4.09	2.94	2.35	3.14	3.29	3.02	3.09	3.11	3.24
5	3.50	3.15	2.80	3.51	1.60	2.40	3.73	2.98	3.32	2.95	3.13	3.12
6	3.23	3.98	3.56	3.44	1.16	2.39	3.00	2.99	2.96	2.58	3.49	3.23
7	3.77	2.81	2.90	2.54	1.64	2.39	1.97	2.89	2.60	2.83	3.17	3.19
8	3.20	3.22	1.96	2.62	1.56	2.46	2.94	2.79	2.85	2.95	3.20	3.43
9	3.21	2.35	1.86	2.60	1.52	2.69	2.95	2.97	3.41	2.89	3.42	3.74
10	3.29	3.04	1.98	2.66	1.40	1.56	2.91	2.60	2.99	3.65	3.46	3.01
11	3.44	2.83	2.56	1.66	1.60	1.73	3.32	3.04	---	3.67	3.51	2.44
12	4.16	2.06	3.07	0.81	2.50	1.91	3.13	3.35	---	3.63	3.31	3.24
13	3.58	2.42	2.86	1.93	---	1.68	2.78	3.04	---	3.16	2.79	3.28
14	2.54	2.58	3.54	1.39	---	1.73	2.85	3.36	---	3.20	3.08	2.87
15	3.25	2.18	2.15	2.53	1.97	2.53	2.99	3.51	---	2.56	2.79	2.88
16	4.10	2.95	3.09	2.24	1.60	2.81	2.94	4.19	---	3.28	2.94	2.54
17	3.35	3.70	3.02	2.63	3.66	3.35	3.54	3.14	---	2.92	2.84	2.59
18	2.87	2.59	3.04	3.35	3.78	3.97	4.69	3.58	3.15	2.77	2.77	3.20
19	3.04	2.14	2.81	3.38	2.92	4.17	3.80	3.17	3.15	2.69	2.54	3.98
20	2.32	2.91	3.71	2.40	2.71	4.37	3.45	3.00	3.16	2.45	2.25	2.84
21	2.65	3.08	3.26	2.11	---	4.41	3.38	2.81	3.07	2.75	2.61	2.91
22	2.78	3.66	2.69	---	2.54	4.08	3.55	2.28	2.65	2.69	2.87	3.51
23	2.36	1.26	2.35	---	3.57	3.84	3.12	2.51	2.85	2.61	2.65	3.83
24	2.44	1.45	2.16	2.43	0.92	3.46	1.81	2.69	2.90	2.69	2.78	3.42
25	2.69	2.17	4.67	---	1.60	3.19	2.67	2.49	2.94	2.54	3.09	3.61
26	3.87	2.78	2.55	---	1.94	3.11	3.09	2.90	3.16	2.70	3.45	3.39
27	2.47	2.23	2.19	---	---	2.77	2.80	2.94	3.19	2.91	3.30	3.89
28	2.35	2.33	2.54	---	3.21	2.58	2.86	3.08	3.10	2.97	2.99	4.43
29	2.53	2.90	2.93	---	---	3.09	2.65	3.38	3.31	3.30	2.89	4.22
30	2.89	2.77	2.72	---	---	2.59	3.12	3.39	2.95	2.26	3.16	3.27
31	3.06	---	3.36	---	---	2.42	---	3.76	---	3.01	2.83	---
MEAN	3.05	2.67	2.74	---	---	2.82	3.04	3.05	---	2.90	3.02	3.31
MAX	4.16	3.98	4.67	---	---	4.41	4.69	4.19	---	3.67	3.51	4.43
MIN	2.32	1.26	1.68	---	---	1.09	1.81	2.24	---	1.91	2.25	2.44

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

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.94	2.41	1.10	3.04	---	2.57	2.22	2.55	2.75	---	2.78	2.76
2	1.71	1.93	1.84	3.14	---	2.86	2.44	2.53	---	2.19	2.82	2.72
3	2.29	2.51	1.26	3.84	1.24	---	---	---	1.83	2.52	2.86	3.06
4	3.41	2.91	1.71	---	1.74	1.69	2.84	2.32	2.27	2.50	2.84	2.81
5	2.84	3.12	---	2.68	0.81	1.75	3.36	2.18	2.37	2.43	2.57	2.23
6	2.73	2.00	2.71	2.75	0.70	2.33	1.29	1.99	1.90	2.36	2.52	1.97
7	2.88	---	2.20	2.35	1.40	2.22	1.56	1.94	2.19	2.59	2.23	2.37
8	---	2.60	1.66	2.55	1.34	1.53	2.45	1.96	2.60	2.62	2.22	2.31
9	2.83	1.87	0.20	2.05	0.38	1.26	1.70	1.93	3.06	2.40	2.38	2.88
10	2.85	1.97	1.72	2.18	1.34	0.85	2.09	2.24	2.47	2.42	2.59	2.89
11	2.65	2.51	1.36	1.17	0.84	1.19	2.38	2.68	---	3.03	2.75	---
12	3.29	1.65	2.03	0.44	---	1.04	2.73	3.30	---	2.87	2.77	2.96
13	3.31	1.96	2.36	0.83	---	1.39	2.62	3.01	---	2.52	---	3.09
14	1.69	2.20	2.71	1.00	0.78	1.71	2.61	2.89	---	2.44	2.48	2.63
15	2.58	2.14	1.73	1.16	---	2.01	2.80	2.89	---	---	2.67	2.62
16	3.43	1.91	1.41	1.87	---	2.69	2.54	3.18	---	2.83	2.88	2.52
17	2.85	3.32	2.12	1.20	---	3.34	---	---	2.52	2.34	2.77	1.88
18	2.59	0.48	2.17	2.83	3.49	3.63	3.61	2.63	2.51	2.39	2.58	2.29
19	2.78	1.76	2.25	---	2.87	---	2.89	2.25	2.62	2.27	2.42	3.56
20	2.20	2.32	---	2.10	2.26	3.77	2.73	2.10	2.45	2.39	1.72	1.75
21	2.45	2.55	2.61	---	2.21	3.76	2.71	1.90	2.80	2.42	1.53	1.58
22	2.41	2.43	1.80	---	2.47	3.41	2.63	2.01	2.56	2.25	1.68	2.18
23	---	---	2.35	---	2.79	3.05	1.60	2.04	2.67	1.93	1.53	3.73
24	1.64	0.38	1.96	---	0.83	2.65	1.38	2.42	2.41	1.72	1.85	2.83
25	1.95	0.82	2.48	---	0.25	2.67	2.36	2.43	2.17	1.39	1.96	3.30
26	2.53	1.34	1.03	---	1.53	2.28	2.89	2.63	2.07	1.33	2.14	3.31
27	2.12	2.18	2.06	---	2.00	2.30	2.53	2.56	2.32	1.58	2.73	3.88
28	1.77	1.81	2.13	---	2.73	2.44	2.49	2.48	2.00	1.70	2.56	---
29	1.60	1.67	1.98	---	---	2.96	2.43	2.40	2.02	2.29	---	3.64
30	2.02	2.23	2.50	---	---	---	2.15	2.46	2.05	---	2.87	2.91
31	2.30	---	2.83	---	---	2.19	---	2.48	---	2.42	2.43	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

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

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.06	-0.46	-0.90	-0.66	---	-0.52	-0.63	-0.31	0.46	-0.68	-0.46	-0.35
2	-0.47	-1.35	-1.61	-0.11	---	-0.36	-0.57	-0.27	-0.45	-0.51	-0.35	0.43
3	-0.57	-1.07	-1.85	0.95	---	---	-0.20	-0.35	-0.46	-0.33	-0.10	0.38
4	0.14	-0.48	-1.47	0.26	---	---	0.09	-0.10	-0.12	-0.31	-0.14	---
5	0.20	-0.46	-0.78	-0.15	---	-0.96	0.87	-0.18	-0.01	-0.39	0.12	0.07
6	-0.65	-0.02	-0.56	-0.18	---	-0.93	-0.78	-0.12	-0.40	-0.36	---	-0.28
7	-0.18	-0.70	-0.77	-0.50	---	-0.60	-0.19	-0.06	-0.11	---	-0.10	-0.25
8	-0.49	-0.23	-1.50	0.15	---	-0.71	0.58	0.13	---	-0.11	-0.18	-0.45
9	-0.24	-0.60	-0.83	0.07	---	-0.20	0.27	-0.11	-0.04	-0.16	-0.43	-0.11
10	-0.04	0.06	-0.58	0.42	---	-0.67	0.56	---	-0.04	-0.40	-0.26	-0.16
11	0.50	0.05	---	---	-0.44	---	---	-0.26	---	0.04	-0.29	-0.73
12	1.25	---	0.57	---	---	-0.47	0.35	0.28	---	-0.12	-0.28	0.11
13	---	0.10	0.60	-0.47	---	-0.70	-0.17	-0.27	---	-0.36	-0.45	-0.19
14	0.29	0.04	1.22	---	---	-0.51	-0.76	-0.68	---	-0.66	-0.70	-0.03
15	0.50	-0.49	-0.53	-0.84	---	-0.42	-0.84	-0.53	---	-0.59	-0.31	0.08
16	1.92	-0.51	---	---	---	-0.94	-0.95	-0.45	---	-0.26	0.03	-0.11
17	0.17	0.94	-0.47	-1.14	-0.23	-0.46	0.13	-0.08	---	-0.56	0.23	0.40
18	0.21	0.20	-0.56	-0.59	-0.62	-0.08	0.39	-0.59	-0.37	-0.32	0.49	1.58
19	0.24	-0.93	-0.55	-0.77	---	0.43	-0.33	-0.76	0.11	-0.06	0.18	---
20	-0.74	-0.28	0.33	---	---	0.35	-0.38	-0.71	0.36	0.22	---	0.56
21	-0.37	-0.18	-0.41	---	---	0.52	-0.06	-0.64	0.33	---	-0.05	-0.04
22	-0.33	0.46	-0.44	---	-0.40	0.66	0.13	-0.07	---	0.50	0.34	0.15
23	-0.57	-0.86	-0.82	---	---	0.63	-0.45	---	0.37	0.18	-0.16	0.53
24	-0.58	-1.51	-0.87	---	---	0.51	---	0.01	0.39	0.21	-0.39	-0.35
25	-0.34	-0.76	0.24	---	---	---	-0.35	0.08	0.24	-0.29	-0.53	-0.08
26	0.82	-0.30	---	---	---	0.49	0.28	-0.01	0.15	-0.58	-0.65	-0.37
27	-0.16	---	---	---	---	-0.08	0.17	0.35	0.16	-0.57	-0.34	0.14
28	-0.30	-0.61	-0.57	---	-0.52	-0.18	-0.37	0.05	-0.42	-0.80	-0.79	0.33
29	---	-0.68	-0.49	---	---	-0.11	-0.44	-0.13	-0.40	-0.52	-0.56	0.27
30	-0.07	-0.80	-0.69	---	---	-0.21	-0.74	-0.04	-0.37	-0.54	-0.68	-0.24
31	-0.22	---	-0.42	---	---	-0.20	---	-0.06	---	-0.59	-0.50	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

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

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.41	-0.64	-1.74	-0.72	---	-0.78	-0.92	-0.53	-0.07	-0.70	-0.47	-0.65
2	-0.93	-1.64	-2.07	-0.34	---	---	-0.60	-0.38	-0.53	-0.54	-0.47	-0.39
3	-0.68	-1.31	-1.86	0.01	---	---	-0.40	-0.66	-0.54	-0.35	-0.64	-0.05
4	-0.17	-0.95	-2.05	-0.13	---	---	-0.07	-0.42	-0.16	-0.36	-0.55	-0.11
5	-0.42	-0.93	-1.86	-0.63	---	---	0.23	-0.28	-0.02	-0.52	-0.71	-0.36
6	-1.08	-0.03	-0.62	-0.31	---	-1.06	-0.97	-0.21	-0.43	-0.84	-0.46	-0.44
7	-0.26	-1.29	-1.07	-0.58	---	-0.71	-0.75	-0.09	-0.67	-0.70	-0.76	-0.79
8	-0.82	-0.30	-1.54	-0.77	---	-0.80	0.46	-0.04	-0.43	-0.72	-0.72	-0.59
9	-0.65	-1.25	-1.96	-0.48	---	-1.30	0.25	-0.19	-0.19	-0.82	-0.76	-0.19
10	-0.46	-0.43	-1.08	-0.49	-0.79	-1.03	0.24	-0.57	-1.10	-0.73	-0.63	-0.59
11	-0.23	-0.71	-0.50	-0.47	---	-0.55	0.61	-0.64	---	-0.43	-0.54	-0.81
12	0.79	-0.50	0.40	---	---	-0.48	0.17	-0.24	---	-0.51	-0.57	-0.26
13	0.62	-0.45	-0.83	---	---	-0.83	-0.64	-0.83	---	-1.00	-0.51	-0.19
14	-0.40	-0.66	0.39	---	---	-0.85	-1.10	-0.77	---	-0.91	-0.71	-0.54
15	-0.11	-0.56	-0.99	-0.92	---	-0.91	-1.05	-0.88	---	-0.59	-0.72	-0.32
16	0.48	-1.03	---	---	---	-0.94	-1.19	-0.45	---	-0.40	-0.46	-0.15
17	-0.06	0.64	-0.94	-1.15	---	-0.78	-0.65	-0.71	-0.66	-0.80	-0.39	-0.24
18	-0.33	-1.68	-0.59	---	---	-0.34	-0.35	-0.94	-0.44	-0.60	-0.33	0.61
19	-0.24	-2.40	-0.83	-0.85	---	0.08	-0.68	-0.97	-0.30	-0.62	-0.27	1.39
20	-0.76	-0.91	-0.56	---	---	0.01	-0.56	-0.74	-0.40	-0.61	-0.65	0.02
21	-0.57	-0.51	-0.55	---	---	0.22	-0.29	-0.71	-0.14	-0.40	-0.49	-0.06
22	-0.55	-0.15	-1.07	---	---	0.48	0.09	-0.76	-0.31	-0.43	-0.17	0.00
23	-1.07	-1.91	-0.99	---	---	0.40	-0.76	-0.60	-0.10	-0.43	-0.27	0.52
24	-0.98	-1.53	-1.26	---	---	0.36	-1.04	-0.15	-0.25	-0.52	-0.55	-0.42
25	-0.65	-1.47	---	---	---	0.40	-0.51	-0.41	-0.32	-0.69	-0.55	-0.11
26	0.37	-0.58	---	---	---	0.35	-0.01	-0.10	-0.35	-0.73	-0.73	-0.42
27	-0.65	-0.25	-0.51	---	---	-0.10	-0.57	-0.50	-0.18	-0.74	-0.71	-0.33
28	-0.49	-0.94	-1.10	---	-0.58	-0.30	-0.69	-0.22	-0.51	-0.85	-0.95	0.26
29	-0.35	-1.24	-1.02	---	---	-0.20	-1.02	-0.25	-0.44	-0.59	-0.81	0.11
30	-0.42	-0.97	---	---	---	---	-0.89	-0.31	-0.72	-0.78	-0.81	-0.63
31	-0.25	---	-0.85	---	---	-1.02	---	-0.09	---	-0.62	-1.01	---
MEAN	-0.38	-0.89	---	---	---	---	-0.46	-0.47	---	-0.63	-0.59	-0.19
MAX	0.79	0.64	---	---	---	---	0.61	-0.04	---	-0.35	-0.17	1.39
MIN	-1.08	-2.40	---	---	---	---	-1.19	-0.97	---	-1.00	-1.01	-0.81

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, 9,400 µS/cm, Oct. 4; minimum, 195 µS/cm, Apr. 6.
WATER TEMPERATURE: Maximum recorded, 26.5°C, July 28, 29, 30, 31, but may have been greater during period of instrument malfunction; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8,800	5,420	6,810	2,250	553	1,310	246	241	243	263	258	260
2	8,160	5,190	6,580	2,100	379	1,100	247	243	245	270	258	263
3	8,430	6,040	7,130	2,200	593	1,280	251	244	247	272	260	267
4	9,400	6,500	7,990	2,790	721	1,590	253	247	249	281	268	273
5	9,380	6,200	7,740	2,300	763	1,360	252	249	250	284	273	276
6	8,050	5,660	6,920	2,470	808	1,460	253	247	251	282	275	277
7	8,750	6,130	7,380	1,370	512	775	255	252	253	281	277	278
8	8,020	5,700	6,720	1,440	518	860	256	252	254	282	277	280
9	7,830	5,680	6,700	681	368	494	256	251	253	285	280	281
10	7,860	5,640	6,710	857	382	505	256	253	254	286	280	282
11	8,120	5,300	6,570	532	344	439	257	253	255	287	283	285
12	7,390	5,400	6,460	382	316	339	263	254	258	286	280	282
13	6,210	4,320	5,420	345	296	312	1,580	255	576	285	279	282
14	5,180	3,270	4,060	313	283	292	2,860	611	1,460	294	277	279
15	5,750	3,640	4,470	326	277	284	1,860	512	1,050	837	278	397
16	6,570	4,120	5,160	715	272	300	3,400	596	1,590	993	279	472
17	5,920	2,760	4,100	1,070	282	517	2,890	566	1,470	1,660	355	871
18	4,970	1,920	3,210	451	270	291	2,920	766	1,620	2,420	333	1,060
19	4,360	1,910	2,990	274	268	271	2,330	633	1,420	2,490	667	1,440
20	3,360	978	2,000	274	268	271	2,460	596	1,360	1,500	440	996
21	2,790	1,130	1,910	273	265	268	1,020	292	640	957	369	573
22	2,420	939	1,600	268	263	266	335	260	282	732	319	480
23	1,740	655	1,140	267	254	259	267	257	261	608	302	372
24	1,790	628	967	258	251	254	262	258	260	783	307	543
25	1,630	621	960	254	249	251	269	257	261	833	362	581
26	2,280	681	1,280	252	246	250	263	257	259	778	374	528
27	908	397	625	249	244	247	260	255	257	581	332	406
28	486	312	397	247	242	245	258	255	256	846	324	396
29	1,010	287	443	245	240	242	259	255	257	581	329	380
30	1,630	294	670	243	240	242	260	256	258	493	323	366
31	2,250	341	1,080	---	---	---	261	256	258	502	324	371
MONTH	9,400	287	4,070	2,790	240	552	3,400	241	542	2,490	258	455

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

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	522	328	382	533	363	425	214	211	212	288	264	271
2	400	316	346	455	345	383	214	212	212	281	252	261
3	340	312	320	396	319	340	213	211	212	258	235	244
4	570	315	356	338	321	326	213	206	210	249	221	234
5	339	313	320	335	319	324	210	198	205	236	211	221
6	319	313	315	328	322	324	201	195	198	223	207	213
7	319	314	316	330	323	325	200	197	198	214	207	209
8	320	315	317	332	325	327	212	197	199	211	207	208
9	323	317	320	336	326	329	201	196	198	213	208	210
10	324	319	321	340	330	335	198	196	198	213	210	211
11	350	321	324	340	334	338	404	197	213	233	210	212
12	1,040	331	491	346	337	342	815	197	362	216	210	212
13	1,280	325	677	520	345	371	1,250	207	550	214	210	211
14	1,970	720	1,280	892	351	501	1,110	211	532	215	210	211
15	2,490	1,240	1,870	2,160	502	1,170	1,140	224	383	228	208	211
16	2,990	1,260	2,070	3,420	860	1,930	409	243	264	217	207	209
17	4,130	1,990	2,960	3,360	1,010	2,240	275	246	254	221	208	210
18	4,080	2,270	3,170	2,660	490	1,250	341	256	267	216	209	211
19	3,690	1,830	2,770	945	332	456	274	259	267	215	210	213
20	3,420	1,460	2,370	353	330	335	279	267	274	216	213	215
21	2,940	1,460	2,180	340	332	335	282	273	278	217	215	216
22	3,120	1,480	2,230	335	307	321	286	277	281	215	214	215
23	3,390	1,290	2,320	309	290	300	292	282	286	218	213	215
24	1,460	589	1,020	291	277	288	294	290	292	219	213	215
25	1,280	470	692	281	262	272	294	292	293	317	213	219
26	1,010	400	560	265	251	256	294	293	293	507	213	266
27	819	393	514	255	242	248	296	292	293	759	215	352
28	774	384	485	243	229	235	293	286	290	994	219	437
29	---	---	---	231	220	224	291	275	282	1,280	223	442
30	---	---	---	221	212	---	283	268	274	1,060	227	360
31	---	---	---	223	211	213	---	---	---	695	228	300
MONTH	4,130	312	1,120	3,420	211	---	1,250	195	276	1,280	207	246
		JUNE			JULY			AUGUST			SEPTEMBER	
1	649	224	283	1,350	294	567	2,010	630	1,120	---	---	---
2	230	224	226	1,660	346	700	1,510	540	882	---	---	---
3	229	223	224	1,800	396	768	---	---	---	3,070	1,350	---
4	225	221	223	1,420	403	714	---	---	---	1,550	899	1,260
5	225	220	222	1,060	401	649	---	---	---	1,110	450	774
6	223	217	219	855	382	573	---	---	---	890	386	523
7	223	216	218	1,360	395	651	---	---	---	811	361	454
8	220	217	218	1,380	398	706	---	---	---	773	333	416
9	232	217	223	1,260	393	649	---	---	---	851	335	440
10	234	---	---	2,000	431	752	---	---	---	967	325	450
11	---	---	---	2,170	484	919	---	---	---	571	316	376
12	---	---	---	2,080	501	882	---	---	---	678	339	444
13	---	---	---	1,740	441	740	---	---	---	654	339	436
14	---	---	---	1,390	422	669	---	---	---	543	323	395
15	---	---	---	1,460	453	706	---	---	---	512	327	386
16	---	---	---	1,600	476	817	---	---	---	411	305	351
17	238	237	---	1,070	449	628	---	---	---	648	304	367
18	239	236	238	1,020	439	626	---	---	---	1,590	300	683
19	240	237	239	917	435	604	---	---	---	3,450	710	1,890
20	242	239	240	1,090	430	648	---	---	---	2,740	483	1,060
21	245	240	242	1,700	465	888	---	---	---	2,960	826	1,530
22	247	242	245	1,280	439	759	---	---	---	4,550	1,270	2,150
23	252	246	247	1,050	372	600	---	---	---	4,460	1,960	3,280
24	251	247	248	1,130	337	551	---	---	---	3,380	579	1,710
25	249	246	247	1,260	282	533	---	---	---	2,190	459	1,000
26	355	244	251	1,480	300	645	---	---	---	1,270	341	591
27	411	244	264	2,080	363	927	---	---	---	921	349	526
28	1,050	244	316	2,250	394	979	---	---	---	746	297	429
29	1,340	252	469	2,280	518	1,200	---	---	---	360	241	287
30	1,680	271	587	2,640	575	1,210	---	---	---	253	234	240
31	---	---	---	1,980	662	1,110	---	---	---	---	---	---
MONTH	---	---	---	2,640	282	754	---	---	---	---	---	---

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.0	22.0	22.5	13.5	12.5	13.0	5.0	4.5	5.0	0.5	0.5	0.5
2	23.0	22.5	22.5	13.0	12.0	12.5	4.5	4.5	4.5	0.5	0.5	0.5
3	23.0	22.5	22.5	13.0	12.0	12.5	4.5	3.5	4.0	0.5	0.0	0.5
4	23.0	22.5	22.5	12.5	12.0	12.0	4.0	3.5	3.5	0.5	0.0	0.0
5	23.0	22.0	22.5	12.5	11.5	12.0	4.0	3.5	3.5	0.0	0.0	0.0
6	22.5	22.0	22.0	12.0	11.0	12.0	4.0	3.0	3.5	0.0	0.0	0.0
7	22.5	21.5	22.0	11.5	10.5	11.0	3.5	3.0	3.0	0.0	0.0	0.0
8	22.0	21.5	21.5	11.5	10.5	11.0	3.0	3.0	3.0	0.0	0.0	0.0
9	22.0	21.0	21.5	11.0	10.5	10.5	3.0	2.5	2.5	0.5	0.0	0.0
10	21.5	21.0	21.5	11.0	10.5	10.5	3.0	2.5	2.5	0.5	0.0	0.5
11	21.5	20.5	21.0	11.0	10.5	11.0	2.5	2.0	2.5	0.5	0.0	0.5
12	21.0	20.5	21.0	11.0	10.5	11.0	2.5	2.0	2.5	0.5	0.0	0.0
13	20.5	19.5	20.0	11.0	10.5	11.0	2.5	2.0	2.5	0.5	0.0	0.0
14	20.0	19.0	19.5	11.0	10.5	10.5	3.0	2.5	2.5	0.0	0.0	0.0
15	19.5	19.0	19.5	11.0	10.5	10.5	2.5	2.5	2.5	0.5	0.0	0.0
16	19.5	18.5	19.0	10.5	10.0	10.0	3.0	2.0	2.5	0.0	0.0	0.0
17	19.0	18.0	18.5	10.5	9.5	10.0	2.5	1.5	2.0	0.0	0.0	0.0
18	18.5	17.5	18.0	9.5	8.0	8.5	2.5	1.5	2.0	0.5	0.0	0.0
19	18.0	17.5	17.5	8.0	7.5	8.0	2.0	1.0	1.5	0.5	0.0	0.0
20	17.5	17.0	17.5	8.0	7.5	7.5	2.0	1.0	1.5	0.0	0.0	0.0
21	17.5	17.0	17.0	7.5	7.0	7.5	1.5	1.0	1.5	0.0	0.0	0.0
22	17.0	16.5	17.0	7.5	7.0	7.5	1.0	0.5	1.0	0.0	0.0	0.0
23	16.5	16.0	16.5	7.0	6.5	7.0	1.0	0.5	1.0	0.0	0.0	0.0
24	16.5	15.5	16.0	7.0	6.5	6.5	0.5	0.5	0.5	0.0	0.0	0.0
25	16.0	15.5	15.5	6.5	6.0	6.5	0.5	0.5	0.5	0.0	0.0	0.0
26	16.0	15.0	15.5	6.5	6.0	6.0	0.5	0.0	0.0	0.0	0.0	0.0
27	15.0	14.5	15.0	6.0	6.0	6.0	0.5	0.0	0.0	0.0	0.0	0.0
28	14.5	14.0	14.5	6.0	5.5	6.0	0.5	0.0	0.0	0.0	0.0	0.0
29	14.0	14.0	14.0	5.5	5.5	5.5	0.5	0.0	0.5	0.0	0.0	0.0
30	14.0	13.5	13.5	5.5	5.0	5.5	0.5	0.5	0.5	0.0	0.0	0.0
31	14.0	13.0	13.5	---	---	---	0.5	0.5	0.5	0.0	0.0	0.0
MONTH	23.0	13.0	18.7	13.5	5.0	9.3	5.0	0.0	2.0	0.5	0.0	0.1
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.5	0.0	0.0	6.0	5.5	6.0	12.0	11.0	11.5
2	0.5	0.0	0.0	0.5	0.0	0.0	6.0	6.0	6.0	12.0	11.5	12.0
3	0.0	0.0	0.0	0.5	0.0	0.0	6.5	6.0	6.0	13.0	12.0	12.5
4	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	13.0	12.5	12.5
5	0.0	0.0	0.0	0.5	0.0	0.0	6.0	5.5	6.0	12.5	12.0	12.5
6	0.0	0.0	0.0	0.0	0.0	0.0	6.0	5.5	5.5	12.5	12.0	12.0
7	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	13.0	12.0	12.5
8	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.0	5.5	12.5	12.5	12.5
9	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	13.0	12.5	13.0
10	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.0	5.0	13.5	13.0	13.0
11	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	13.5	13.0	13.0
12	0.0	0.0	0.0	0.5	0.0	0.5	5.5	5.0	5.0	13.5	13.0	13.5
13	0.0	0.0	0.0	0.5	0.5	0.5	6.0	5.0	5.0	13.5	13.5	13.5
14	0.0	0.0	0.0	1.0	0.0	0.5	6.0	5.0	5.0	14.0	13.5	13.5
15	0.0	0.0	0.0	1.5	0.5	1.0	6.0	5.0	5.0	14.0	13.5	13.5
16	0.0	0.0	0.0	1.5	1.0	1.5	6.5	5.5	5.5	14.0	13.5	14.0
17	0.0	0.0	0.0	2.0	1.5	1.5	6.0	5.5	6.0	14.5	13.5	14.0
18	0.0	0.0	0.0	2.5	1.5	2.0	6.0	5.5	6.0	15.0	14.0	14.5
19	0.0	0.0	0.0	2.5	2.0	2.0	6.0	5.5	6.0	15.5	14.5	15.0
20	0.0	0.0	0.0	2.0	1.0	1.5	6.5	6.0	6.0	15.5	15.0	15.0
21	0.0	0.0	0.0	1.5	1.0	1.0	7.0	6.0	6.5	15.5	15.0	15.5
22	0.0	0.0	0.0	1.5	1.0	1.0	7.5	6.5	7.0	15.5	15.5	15.5
23	0.0	0.0	0.0	2.5	1.5	2.0	8.0	7.0	7.5	15.5	15.5	15.5
24	0.0	0.0	0.0	3.0	2.5	2.5	8.5	8.0	8.0	15.5	15.5	15.5
25	0.0	0.0	0.0	3.0	2.5	3.0	9.0	8.0	8.5	15.5	15.5	15.5
26	0.0	0.0	0.0	4.0	3.0	3.5	9.0	8.5	9.0	15.5	15.5	15.5
27	0.0	0.0	0.0	4.5	4.0	4.0	10.5	9.0	9.5	16.0	15.5	15.5
28	0.5	0.0	0.0	4.5	4.0	4.5	11.0	9.5	10.5	16.0	15.5	15.5
29	---	---	---	5.5	4.5	5.0	11.0	10.5	11.0	16.5	15.5	16.0
30	---	---	---	---	5.5	---	11.5	10.5	11.0	17.0	16.0	16.5
31	---	---	---	6.0	5.5	5.5	---	---	---	16.5	16.0	16.5
MONTH	0.5	0.0	0.0	---	0.0	---	11.5	5.0	6.7	17.0	11.0	14.1

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

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.5	16.5	16.5	23.5	22.0	22.5	26.0	26.0	26.0	---	---	---
2	17.0	16.5	16.5	23.5	22.0	22.5	26.0	26.0	26.0	---	---	---
3	16.5	16.5	16.5	23.0	22.5	22.5	---	---	---	25.5	---	---
4	16.5	16.5	16.5	23.5	22.5	23.0	---	---	---	24.5	24.5	24.5
5	17.0	16.5	16.5	24.0	23.0	23.5	---	---	---	24.5	24.0	24.5
6	17.0	16.5	17.0	24.0	23.5	23.5	---	---	---	24.5	24.0	24.0
7	17.0	17.0	17.0	24.5	23.5	24.0	---	---	---	24.5	24.0	24.0
8	17.5	17.0	17.0	25.0	24.0	24.5	---	---	---	24.5	24.0	24.0
9	17.5	17.0	17.5	24.5	24.0	24.5	---	---	---	24.5	24.0	24.0
10	17.5	18.5	---	24.5	24.0	24.5	---	---	---	24.5	24.0	24.0
11	---	---	---	24.5	24.0	24.5	---	---	---	24.0	24.0	24.0
12	---	---	---	24.5	24.0	24.5	---	---	---	24.0	24.0	24.0
13	---	---	---	25.0	24.0	24.5	---	---	---	24.0	23.5	24.0
14	---	---	---	25.0	24.5	24.5	---	---	---	24.0	23.5	23.5
15	---	---	---	25.0	24.5	24.5	---	---	---	24.0	23.5	23.5
16	---	---	---	25.0	24.5	24.5	---	---	---	24.0	23.5	23.5
17	19.5	---	---	25.5	24.5	24.5	---	---	---	24.0	23.5	23.5
18	19.5	19.0	19.0	25.0	24.5	25.0	---	---	---	23.5	23.5	23.5
19	19.5	19.0	19.5	25.0	24.5	25.0	---	---	---	24.0	23.5	23.5
20	19.5	19.5	19.5	25.0	24.5	25.0	---	---	---	24.0	23.0	23.5
21	19.5	19.0	19.5	25.5	24.5	25.0	---	---	---	23.5	23.0	23.5
22	19.5	19.0	19.0	25.0	24.5	25.0	---	---	---	23.5	23.0	23.5
23	20.0	19.0	19.5	25.0	25.0	25.0	---	---	---	23.5	23.0	23.0
24	20.5	19.5	19.5	25.5	25.0	25.0	---	---	---	23.0	22.5	23.0
25	21.0	19.5	20.0	26.0	25.0	25.5	---	---	---	23.0	22.5	22.5
26	22.0	20.0	21.0	26.5	25.0	25.5	---	---	---	22.5	22.0	22.5
27	22.5	20.5	21.5	26.0	25.5	25.5	---	---	---	22.5	22.0	22.0
28	22.5	21.0	21.5	26.5	25.5	26.0	---	---	---	22.5	21.5	22.0
29	22.5	21.5	22.0	26.5	25.5	26.0	---	---	---	21.5	21.0	21.5
30	22.5	21.5	22.0	26.5	26.0	26.0	---	---	---	21.0	20.5	21.0
31	---	---	---	26.5	26.0	26.0	---	---	---	---	---	---
MONTH	---	---	---	26.5	22.0	24.6	---	---	---	---	---	---

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). WDR NY-02-1: 2001.

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)
Nov 19	0930	581	7.15	Mar 22	1215	*1,300	*9.00
Jan 3	2145	792	7.77				

Minimum discharge, 4.1 ft^3/s, Aug. 31, Sept. 1, gage height, 2.59 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	24	116	162	e46	169	368	79	127	52	13	4.9
2	11	33	108	433	e49	171	292	78	177	46	16	56
3	8.3	45	98	748	59	237	234	89	207	42	32	117
4	6.4	36	84	710	73	325	197	90	191	38	51	156
5	8.3	30	78	545	90	220	180	90	178	33	83	149
6	6.5	62	73	417	113	e200	171	79	169	28	116	120
7	7.0	75	e66	326	76	e190	165	71	163	24	123	85
8	5.8	63	e62	266	e68	177	162	75	163	28	127	57
9	5.0	54	e58	223	e62	176	162	79	159	29	111	39
10	4.4	54	e54	208	58	e170	168	77	151	32	122	29
11	9.2	51	51	e180	e56	e160	176	73	137	33	123	22
12	39	42	78	e160	e56	150	199	71	122	34	106	17
13	55	54	100	e140	e54	148	228	63	141	36	84	15
14	58	70	167	e120	e47	e150	210	57	166	33	64	25
15	51	78	268	e110	e43	141	176	53	174	27	49	71
16	46	81	331	e100	e40	165	159	49	162	21	38	120
17	53	140	e260	e94	e39	277	146	45	141	18	32	132
18	65	372	e200	e84	e41	545	135	42	123	15	26	124
19	71	567	174	e74	e43	760	124	37	113	18	21	124
20	62	476	160	e66	e46	725	115	34	105	17	18	120
21	50	338	199	e60	e48	901	106	32	107	15	16	90
22	35	256	242	e54	56	1,270	98	32	151	51	14	75
23	22	238	222	e48	111	1,090	98	33	202	109	12	143
24	17	241	185	e45	147	829	98	36	247	133	12	289
25	13	221	164	e45	185	653	92	38	215	136	10	374
26	19	190	158	e45	279	523	93	64	168	113	7.9	307
27	31	167	139	e45	e200	431	106	115	135	76	6.7	209
28	35	147	144	e45	174	346	107	137	98	51	6.0	197
29	30	134	143	e45	---	292	98	128	76	35	5.6	272
30	25	126	138	e45	---	353	87	92	62	25	5.4	346
31	23	---	128	e45	---	417	---	75	---	17	5.0	---
TOTAL	889.9	4,465	4,448	5,688	2,359	12,361	4,750	2,113	4,530	1,365	1,455.6	3,884.9
MEAN	28.7	149	143	183	84.2	399	158	68.2	151	44.0	47.0	129
MAX	71	567	331	748	279	1,270	368	137	247	136	127	374
MIN	4.4	24	51	45	39	141	87	32	62	15	5.0	4.9
CFSM	0.46	2.40	2.31	2.95	1.36	6.42	2.55	1.10	2.43	0.71	0.76	2.09
IN.	0.53	2.67	2.66	3.41	1.41	7.40	2.85	1.27	2.71	0.82	0.87	2.33

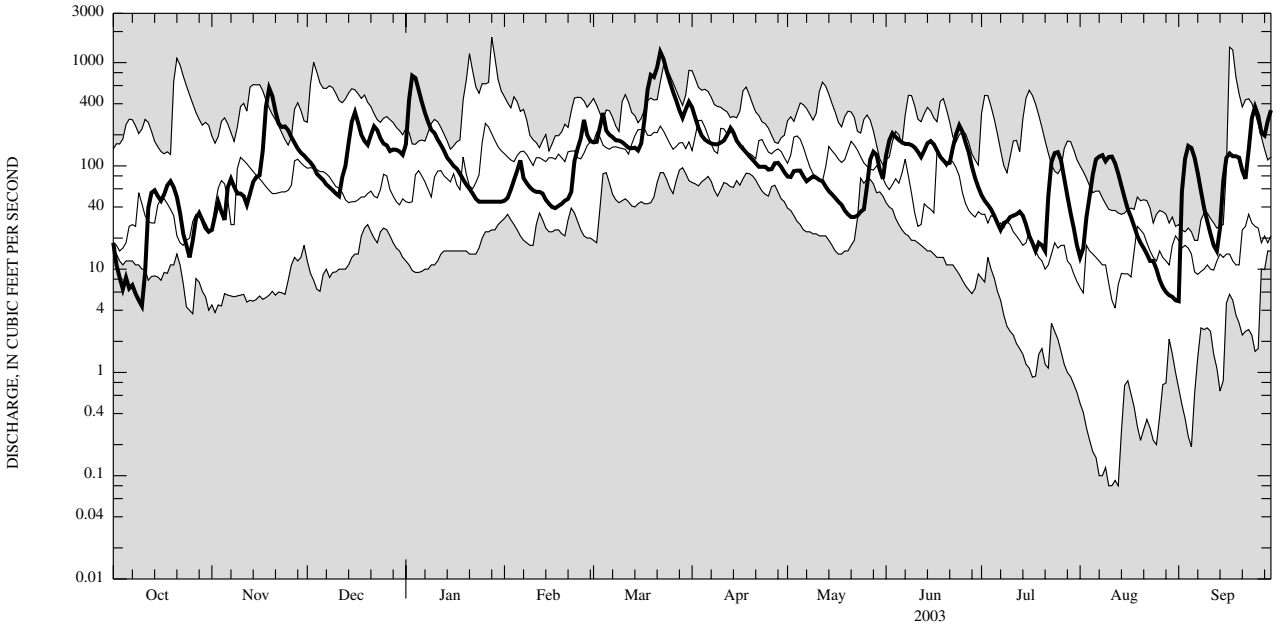
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	80.6	111	124	153	139	234	187	133	105	50.8	21.4	61.4
MAX	277	248	445	342	253	399	307	212	190	160	47.0	230
(WY)	(1997)	(1996)	(1997)	(1996)	(1996)	(2003)	(1997)	(1998)	(2000)	(1996)	(2003)	(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)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	25,294.88		48,309.4			
ANNUAL MEAN	69.3		132		116	
HIGHEST ANNUAL MEAN					162	1997
LOWEST ANNUAL MEAN					45.1	2002
HIGHEST DAILY MEAN	567	Nov 19	1,270	Mar 22	1,760	Jan 28, 1996
LOWEST DAILY MEAN	0.66	Sep 14	4.4	Oct 10	0.08	Aug 10, 1999
ANNUAL SEVEN-DAY MINIMUM	1.7	Aug 22	5.9	Aug 26	0.09	Aug 7, 1999
ANNUAL RUNOFF (CFSM)	1.12		2.13		1.88	
ANNUAL RUNOFF (INCHES)	15.15		28.94		25.49	
10 PERCENT EXCEEDS	183		267		272	
50 PERCENT EXCEEDS	39		90		70	
90 PERCENT EXCEEDS	3.8		19		9.4	

e Estimated



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.--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, 1,250 ft^3/s, Mar. 23, gage height, 6.11 ft; minimum discharge, 13 ft^3/s, Oct. 1, 2, 4, 5, 6-10, 11; minimum gage height, 2.60 ft, Oct. 8, 9, 10, 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	33	67	101	87	81	431	120	194	94	260	210
2	14	33	67	112	88	95	400	116	223	92	259	218
3	14	33	67	85	87	88	350	115	240	91	268	211
4	13	33	66	84	90	85	312	113	294	91	264	209
5	13	33	67	83	88	89	289	113	310	91	261	208
6	13	36	68	84	81	90	267	108	255	90	196	207
7	13	34	68	84	79	89	251	103	245	91	153	207
8	13	34	68	84	79	91	247	119	255	89	158	131
9	13	34	68	87	79	94	248	117	227	88	154	67
10	13	35	67	87	79	94	256	110	211	192	162	52
11	16	34	70	86	79	95	268	106	188	277	155	45
12	18	37	77	84	78	97	311	105	173	281	153	45
13	16	38	72	84	78	125	308	97	246	278	153	45
14	16	36	80	84	78	166	300	92	247	277	152	51
15	16	35	73	84	78	184	273	91	234	275	151	47
16	20	37	72	84	78	222	242	89	218	277	150	51
17	18	61	72	84	e76	332	210	88	191	274	151	48
18	17	48	72	83	76	496	188	87	182	272	150	48
19	17	39	72	82	76	659	170	86	164	271	150	52
20	18	49	81	82	77	715	159	85	147	269	149	48
21	18	58	76	82	78	877	149	85	161	273	148	48
22	26	65	75	82	88	1,160	140	84	279	284	194	48
23	32	62	75	84	97	1,150	134	84	262	277	220	86
24	32	59	75	e82	84	881	127	84	270	271	219	90
25	32	59	76	e82	81	682	124	84	268	269	219	99
26	35	59	76	e82	80	567	131	95	240	268	217	99
27	33	63	76	e82	80	496	139	88	195	267	216	100
28	33	65	76	e82	81	428	138	86	150	266	215	116
29	33	66	77	87	---	409	136	86	121	265	213	106
30	33	67	77	87	---	463	131	87	103	263	213	104
31	33	---	80	87	---	444	---	90	---	262	210	---
TOTAL	644	1,375	2,253	2,647	2,280	11,544	6,829	3,013	6,493	6,725	5,933	3,096
MEAN	20.8	45.8	72.7	85.4	81.4	372	228	97.2	216	217	191	103
MAX	35	67	81	112	97	1,160	431	120	310	284	268	218
MIN	13	33	66	82	76	81	124	84	103	88	148	45

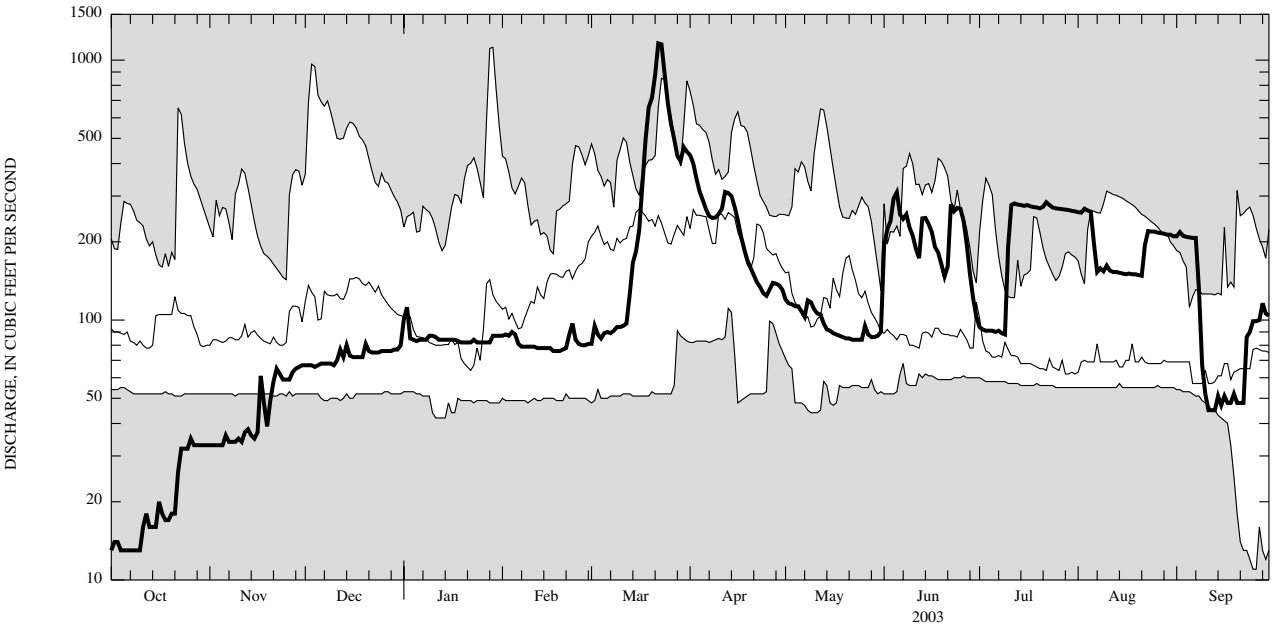
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	103	103	158	124	147	254	225	142	129	100	107	84.1
MAX	221	238	510	264	281	372	366	261	216	217	241	132
(WY)	(1997)	(1997)	(1997)	(1995)	(1996)	(2003)	(1994)	(1998)	(2003)	(2003)	(2002)	(1999)
MIN	20.8	45.8	52.7	53.5	49.5	59.5	97.9	60.1	58.8	57.4	55.1	51.6
(WY)	(2003)	(2003)	(2001)	(2001)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(1999)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	26,621		52,832			
ANNUAL MEAN	72.9		145		139	
HIGHEST ANNUAL MEAN					198	1997
LOWEST ANNUAL MEAN					89.3	2002
HIGHEST DAILY MEAN	313	Aug 10	1,160	Mar 22	1,160	Mar 22, 2003
LOWEST DAILY MEAN	11	Sep 25	13	Oct 1	11	Sep 25, 2002
ANNUAL SEVEN-DAY MINIMUM	13	Sep 23	13	Oct 4	13	Sep 23, 2002
10 PERCENT EXCEEDS	158		273		272	
50 PERCENT EXCEEDS	53		89		96	
90 PERCENT EXCEEDS	32		34		52	

e Estimated

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.--Records fair except those greater than 300 ft^3/s, and those for estimated daily discharges, 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 1,410 ft^3/s (revised), Jan. 27, 1996, gage height, 6.17 ft; 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, 1,120 ft^3/s, Mar. 23, gage height, 5.62 ft; minimum daily discharge, 49 ft^3/s, for several days during October, November, and February; minimum instantaneous discharge not determined.

REVISIONS.--Maximum, daily, monthly, and yearly discharges have been revised as shown in the following tables. They supercede figures published in WDR NY Vol. 1, 1994-2002.

Revised maximum discharges for water years 1994-2002 are given herewith:

Water Year	Date	Discharge (ft3/s)	Gage height (ft)	Water Year	Date	Discharge (ft3/s)	Gage height (ft)
1994	Aug. 25, 1994	452	4.06	1999	Sept. 16, 1999	780	4.88
1995	Jan. 20, 1995	536	4.25	2000	June 7, 2000	480	4.13
1996	Jan. 27, 1996	e1,410	6.17	2001	Mar. 22, 2001	844	4.96
1997	Dec. 2, 1996	e910	5.13	2002	Aug. 29, 2002	246	3.59
1998	May 12, 1998	e830	4.94				

Revised daily discharges for 1994-1999 and 2001 water years are given herewith:

Water Year	Date	Discharge (ft3/s)	Water Year	Date	Discharge (ft3/s)	Water Year	Date	Discharge (ft3/s)
1994	Aug. 22	339	1995	Jan. 21	480	1997	Dec. 8	e810
1994	Aug. 23	386	1995	Jan. 22	458	1997	Dec. 9	e700
1994	Aug. 24	410	1995	Jan. 23	472	1997	Dec. 10	e550
1994	Aug. 25	427	1995	Jan. 24	419	1997	Dec. 14	e540
1994	Aug. 26	402	1995	Jan. 25	374	1997	Dec. 15	e540
1994	Aug. 27	348	1995	Jan. 26	330	1998	May 11	e690
1995	Dec. 5	329	1996	Jan. 19	329	1998	May 12	e820
1995	Dec. 6	355	1996	Jan. 27	e840	1998	May 13	e760
1995	Dec. 7	318	1996	Jan. 28	e1,100	1998	May 14	593
1995	Dec. 11	378	1996	Jan. 29	e1,060	1999	Mar. 22	e570
1995	Dec. 24	322	1996	Jan. 30	e740	1999	Mar. 24	e530
1995	Dec. 25	312	1996	Jan. 31	e540	2001	Mar. 22	e650
1995	Dec. 26	316	1997	Oct. 20	e530	2001	Mar. 23	e760
1995	Dec. 27	326	1997	Dec. 2	e760	2001	Mar. 24	e710
1995	Jan. 2	309	1997	Dec. 3	e810	2001	Mar. 25	e580
1995	Jan. 7	334	1997	Dec. 4	e800	2001	Mar. 30	e580
1995	Jan. 17	334	1997	Dec. 5	e620	2001	Mar. 31	e600
1995	Jan. 18	319	1997	Dec. 6	e640	2001	Apr. 1	e620
1995	Jan. 20	411	1997	Dec. 7	e680	2001	Apr. 2	e550

Revised monthly and yearly discharges, in cubic feet per second, for 1994-1999 and 2001 water years are given herewith:

	TOTAL	MEAN	MAX		TOTAL	MEAN	MAX
AUG 1994	5829	188	427	MAY 1998	8118	262	820
				CAL YR 1997	41502	114	500
DEC 1994	7308	236	378	WTR YR 1998	49105	135	820
JAN 1995	8947	289	480				
WTR YR 1995	42729	117	480	MAR 1999	7118	230	570
				CAL YR 1998	51576	141	820
JAN 1996	7966	257	1100	WTR YR 1999	39694	109	570
CAL YR 1995	36798	101	480				
WTR YR 1996	51747	141	1100	MAR 2001	9519	307	760
				APR 2001	6528	218	620
OCT 1996	6695	216	660	WTR YR 2001	39730	109	760
DEC 1996	14502	468	810				
CAL YR 1996	71795	196	1100				
WTR YR 1997	61706	169	810				

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	49	73	118	50	91	324	91	233	97	206	122
2	50	49	e63	297	50	150	292	93	212	92	217	201
3	50	49	e63	212	50	152	255	77	204	91	238	160
4	50	49	52	196	e64	134	229	81	260	89	246	147
5	50	49	70	177	e74	143	219	82	278	86	232	133
6	50	49	70	168	e64	158	193	83	227	83	202	125
7	49	49	e65	149	e74	133	188	82	226	91	150	124
8	49	49	e65	148	69	124	189	100	236	98	175	99
9	49	49	50	146	e64	135	191	91	210	87	149	51
10	49	49	50	140	e64	133	193	85	192	123	185	51
11	49	49	e64	131	e63	121	202	84	174	207	156	51
12	49	49	85	120	e59	122	230	89	168	213	146	51
13	50	49	78	112	49	144	222	80	280	208	128	50
14	50	50	101	102	49	156	211	77	256	206	99	50
15	50	50	87	94	49	158	198	76	228	204	91	50
16	50	52	75	82	49	185	180	77	205	213	94	50
17	50	52	50	79	e69	277	152	74	183	211	95	50
18	50	53	e60	72	70	463	141	73	192	209	91	50
19	50	53	75	e70	49	639	126	72	172	217	86	51
20	50	53	100	e70	49	605	111	71	157	202	83	77
21	50	54	98	e69	49	890	104	74	175	216	81	77
22	50	e64	87	70	e69	1,070	108	73	301	327	96	73
23	49	86	83	70	105	1,050	102	74	275	323	114	180
24	50	77	80	e65	122	820	87	76	259	275	105	149
25	50	74	87	e65	102	616	87	73	245	245	113	138
26	50	71	78	e65	88	491	103	142	221	228	116	134
27	50	76	86	e71	87	416	98	116	186	222	115	148
28	49	73	82	e68	90	336	98	98	147	220	109	262
29	49	72	76	e68	---	327	98	91	123	210	110	226
30	49	72	73	e68	---	396	93	89	110	208	113	214
31	49	---	78	e62	---	333	---	102	---	205	104	---
TOTAL	1,539	1,719	2,304	3,424	1,890	10,968	5,024	2,646	6,335	5,706	4,245	3,344
MEAN	49.6	57.3	74.3	110	67.5	354	167	85.4	211	184	137	111
MAX	50	86	101	297	122	1,070	324	142	301	327	246	262
MIN	49	49	50	62	49	91	87	71	110	83	81	50

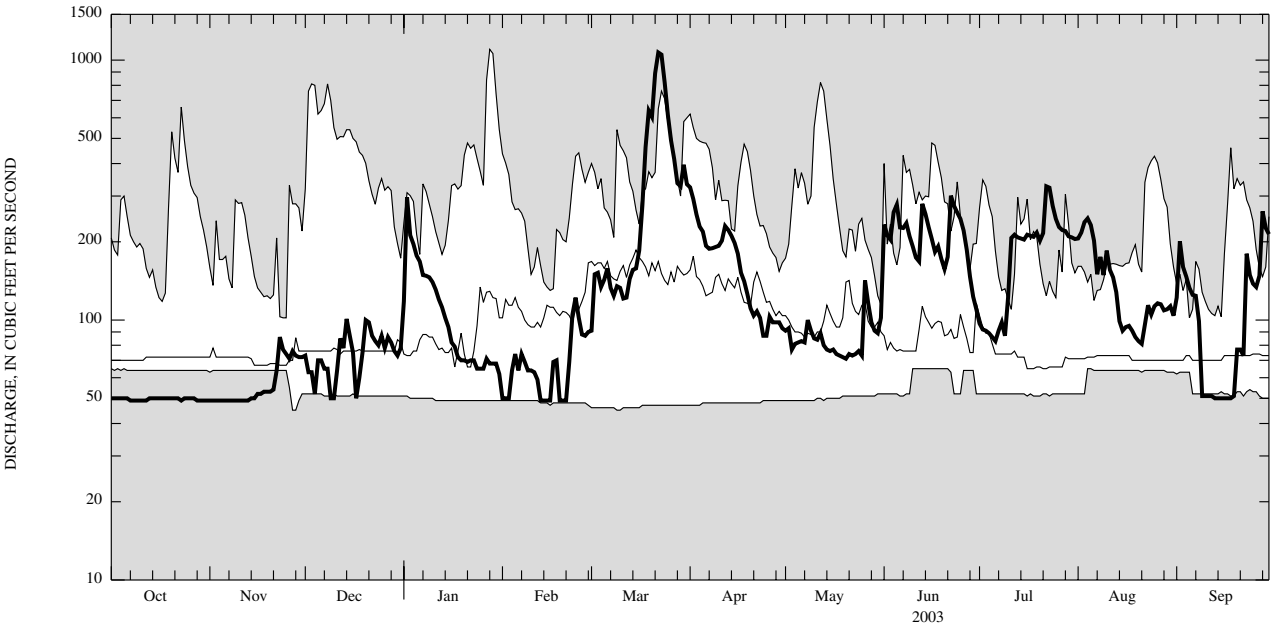
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	95.8	85.9	135	130	121	208	160	124	127	98.6	97.9	90.4
MAX	216	171	468	289	235	354	274	262	211	184	188	163
(WY)	(1997)	(1997)	(1997)	(1995)	(1996)	(2003)	(1997)	(1998)	(2003)	(2003)	(1994)	(1999)
MIN	49.6	57.3	51.3	49.4	48.4	46.4	48.1	50.1	67.3	51.8	64.0	64.0
(WY)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1999)	(2002)	(1999)	(2000)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	23,001		49,144			
ANNUAL MEAN	63.0		135		122	
HIGHEST ANNUAL MEAN					169	1997
LOWEST ANNUAL MEAN					62.8	2002
HIGHEST DAILY MEAN	206	Aug 29	1,070	Mar 22	1,100	Jan 28, 1996
LOWEST DAILY MEAN	45	Mar 9	49	Oct 7	45	Nov 27, 2001
ANNUAL SEVEN-DAY MINIMUM	46	Mar 4	49	Oct 28	46	Mar 4, 2002
10 PERCENT EXCEEDS	104		232		230	
50 PERCENT EXCEEDS	50		91		83	
90 PERCENT EXCEEDS	47		50		53	

e Estimated

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)
Jan 2	2015	158	2.72	Sep 29	0315	133	2.55
Mar 22	0200	*343	*3.34				

Minimum discharge, 0.14 ft^3/s, Oct. 9, 10, gage height, 0.28 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.79	11	22	37	e6.4	28	e62	12	41	8.0	1.2	e0.90
2	0.61	9.7	19	120	e6.4	32	48	14	55	6.6	1.9	e7.4
3	0.43	9.6	18	130	e7.0	e50	43	16	35	5.4	4.2	e7.0
4	0.35	9.5	e15	94	11	e47	39	13	31	4.5	9.3	e5.6
5	0.46	9.4	14	79	13	e43	37	11	46	3.7	12	e4.9
6	0.33	12	15	65	13	40	35	10	41	2.7	12	e3.7
7	0.25	9.6	e13	55	12	40	32	10	34	2.2	8.5	e2.6
8	0.21	8.1	e13	47	12	37	32	13	40	4.9	9.6	e2.2
9	0.18	6.9	13	43	10	35	33	14	34	4.9	8.6	e1.9
10	0.17	6.6	e14	40	9.8	34	34	12	26	5.2	11	e1.8
11	1.2	6.5	35	36	9.5	31	36	10	20	4.1	10	e1.7
12	10	7.5	29	e33	8.8	29	44	10	20	4.7	8.2	e1.4
13	13	10	27	e27	8.1	28	46	9.2	45	3.2	5.7	e1.2
14	10	11	38	e23	7.9	28	42	8.2	55	2.0	4.0	e4.2
15	6.6	9.3	48	e20	7.5	27	36	7.5	37	1.4	2.9	e8.6
16	9.0	9.4	48	e18	e7.4	31	32	6.7	26	3.4	2.2	e19
17	22	37	43	e15	e7.2	44	29	6.0	19	7.8	2.2	e11
18	24	64	37	e13	e7.2	72	26	5.2	21	5.1	2.4	7.4
19	20	91	31	e12	7.9	118	23	4.5	23	4.4	2.8	10
20	18	66	38	e11	8.7	114	21	3.9	20	2.7	2.9	11
21	14	47	56	e10	9.8	218	19	3.8	24	3.0	2.3	9.3
22	13	49	56	e9.4	14	306	22	4.2	62	42	2.3	7.9
23	12	60	49	e8.6	e58	219	23	4.4	69	62	2.1	12
24	11	49	43	e8.0	e90	144	11	5.1	45	37	1.8	17
25	12	39	39	e7.2	e60	107	8.5	5.3	31	18	1.6	19
26	13	33	35	e7.0	e45	88	9.9	15	23	9.4	1.5	19
27	13	31	40	e6.6	e35	78	11	29	17	6.0	e1.4	18
28	12	29	36	e6.6	e30	65	9.7	21	13	4.2	e1.2	69
29	11	25	32	e6.4	---	e64	9.2	14	10	2.8	e1.0	116
30	11	23	29	e6.4	---	e90	11	10	9.3	1.9	e0.90	85
31	11	---	29	e6.4	---	e82	---	11	---	1.3	e0.80	---
TOTAL	270.58	789.1	974	1,000.6	522.6	2,369	864.3	319.0	972.3	274.5	138.50	485.70
MEAN	8.73	26.3	31.4	32.3	18.7	76.4	28.8	10.3	32.4	8.85	4.47	16.2
MAX	24	91	56	130	90	306	62	29	69	62	12	116
MIN	0.17	6.5	13	6.4	6.4	27	8.5	3.8	9.3	1.3	0.80	0.90
CFSM	0.79	2.39	2.86	2.93	1.70	6.95	2.62	0.94	2.95	0.80	0.41	1.47
IN.	0.92	2.67	3.29	3.38	1.77	8.01	2.92	1.08	3.29	0.93	0.47	1.64

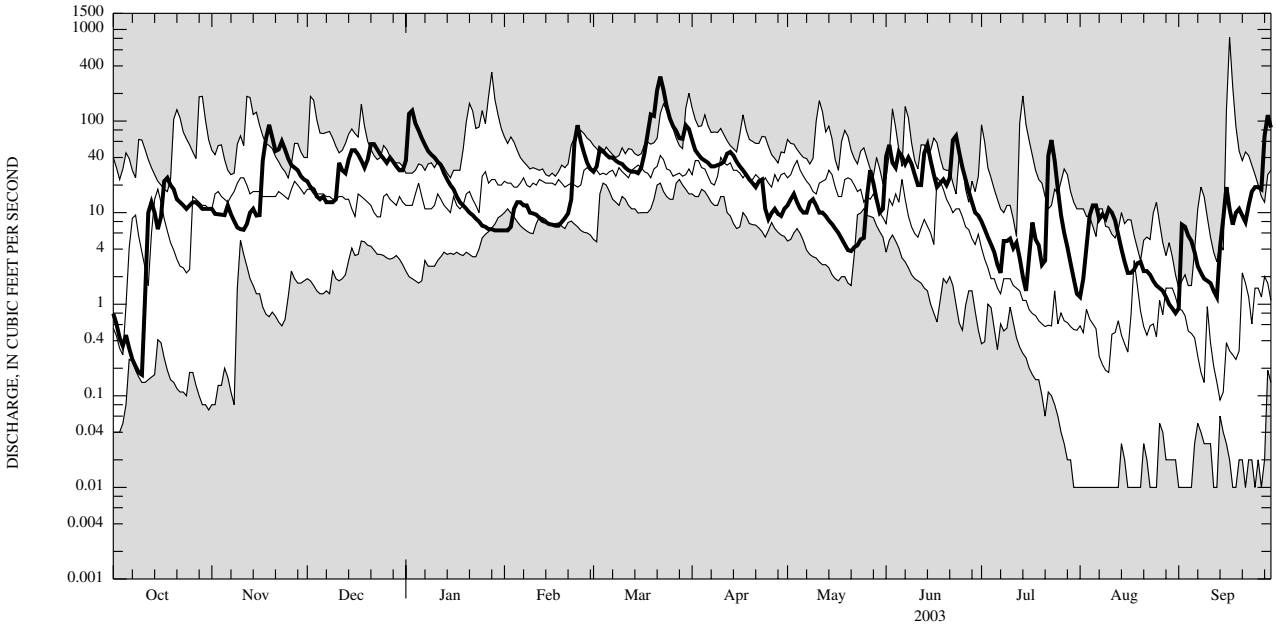
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	14.3	21.4	23.8	24.8	23.0	40.0	32.7	22.0	18.7	6.88	2.28	11.0
MAX	39.5	52.0	64.4	59.2	40.8	76.4	51.2	38.0	32.4	27.4	5.28	52.6
(WY)	(1997)	(1996)	(1997)	(1996)	(1996)	(2003)	(1997)	(1998)	(2003)	(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)

01374559 WEST BRANCH CROTON RIVER AT RICHARDSVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	5,252.35		8,980.18			
ANNUAL MEAN	14.4		24.6		20.0	
HIGHEST ANNUAL MEAN					30.4	1996
LOWEST ANNUAL MEAN					9.23	2002
HIGHEST DAILY MEAN	129	Jun 7	306	Mar 22	823	Sep 17, 1999
LOWEST DAILY MEAN	0.04	Aug 15	0.17	Oct 10	0.01	Sep 22, 1997
ANNUAL SEVEN-DAY MINIMUM	0.05	Aug 13	0.28	Oct 4	0.01	Jul 30, 1999
ANNUAL RUNOFF (CFSM)	1.31		2.24		1.82	
ANNUAL RUNOFF (INCHES)	17.76		30.37		24.75	
10 PERCENT EXCEEDS	38		55		44	
50 PERCENT EXCEEDS	9.6		13		13	
90 PERCENT EXCEEDS	0.15		2.3		0.44	

e Estimated



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 current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 540 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Boyd Corners Reservoir. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 421 ft^3/s, Mar. 22, 2003, gage height, 5.06 ft; minimum, 0.62 ft^3/s, Nov. 27, 28, 29, 30, 2001, gage height, 0.50 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 421 ft^3/s, Mar. 22, gage height, 5.06 ft; minimum discharge, 1.9 ft^3/s, Nov. 28, 29, 30, Dec. 1, gage height, 0.68 ft.

REVISIONS.--The maximum discharge for the water year 2002 has been revised to 231 ft^3/s, June 7, 2002, gage height, 3.64 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	15	2.0	78	20	52	104	21	78	19	14	13
2	16	15	11	234	23	72	92	25	90	17	14	13
3	e16	15	13	221	20	e96	81	25	60	16	14	13
4	e16	15	10	183	24	80	72	20	56	15	14	13
5	16	15	10	154	26	82	70	19	79	15	14	13
6	16	15	10	131	20	91	66	19	71	15	14	13
7	16	16	10	111	22	80	57	20	60	15	14	13
8	16	15	10	97	20	74	58	21	72	15	14	13
9	16	14	14	86	19	74	60	24	61	15	14	13
10	16	14	17	e74	18	68	62	21	51	15	14	13
11	16	14	18	e64	18	61	66	19	39	15	14	14
12	16	14	18	e54	18	58	83	21	38	15	14	14
13	16	15	18	e47	18	59	78	21	83	15	14	14
14	16	15	19	e41	16	55	70	16	102	15	14	14
15	16	14	19	e38	16	52	63	16	68	15	14	14
16	16	14	51	e35	16	61	58	16	47	15	14	14
17	16	14	83	e33	16	97	46	16	37	15	14	14
18	15	8.9	70	e30	16	164	44	16	38	15	14	14
19	15	6.8	61	e28	16	218	40	16	41	14	14	14
20	15	11	83	e26	16	219	37	15	37	14	14	14
21	15	16	117	e24	16	341	35	15	43	15	13	14
22	15	14	108	e22	17	404	39	15	118	15	13	14
23	15	3.6	96	e21	61	336	44	15	128	46	13	14
24	15	2.3	82	e20	75	259	33	15	84	60	13	14
25	15	7.5	94	20	74	211	17	15	58	33	13	14
26	15	6.6	80	20	66	183	24	16	45	20	13	24
27	15	2.3	77	e20	61	164	27	16	37	16	13	37
28	15	2.0	72	e20	56	135	23	15	27	15	13	208
29	15	1.9	62	20	---	129	22	16	22	14	13	243
30	15	2.0	55	20	---	e130	21	16	21	14	13	172
31	15	---	56	20	---	131	---	20	---	14	13	---
TOTAL	482	333.9	1,446.0	1,992	804	4,236	1,592	561	1,791	567	423	1,024
MEAN	15.5	11.1	46.6	64.3	28.7	137	53.1	18.1	59.7	18.3	13.6	34.1
MAX	16	16	117	234	75	404	104	25	128	60	14	243
MIN	15	1.9	2.0	20	16	52	17	15	21	14	13	13

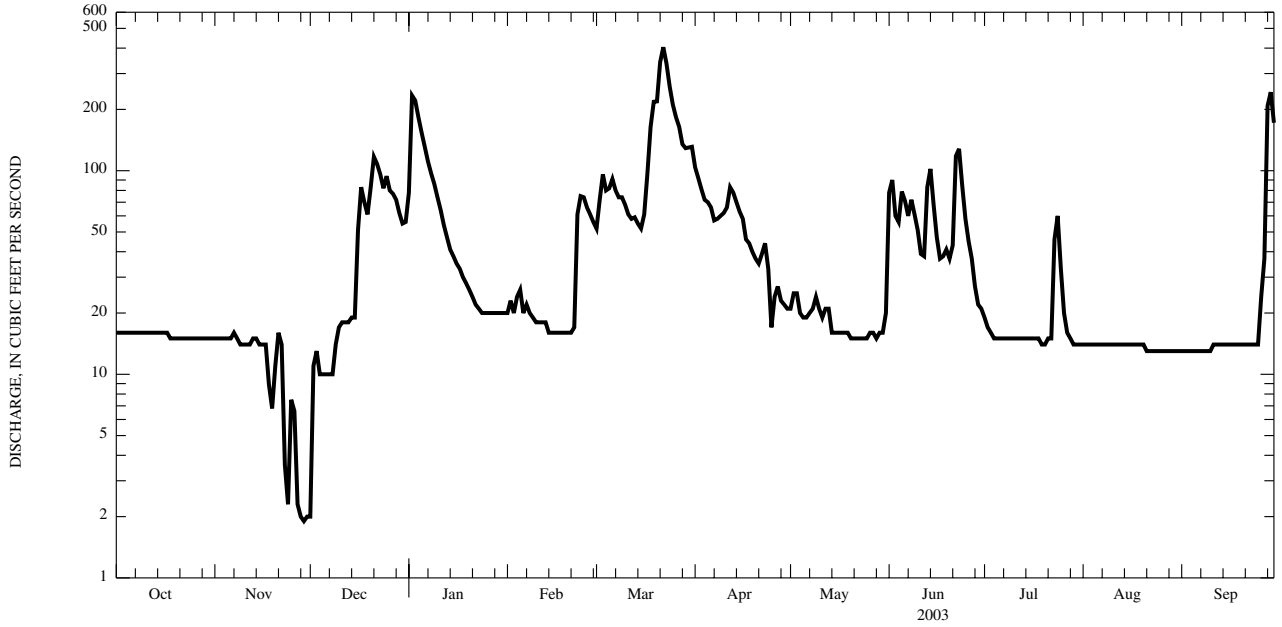
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	15.5	7.91	30.6	39.4	20.9	75.8	35.6	22.6	58.2	17.8	15.5	25.4
MAX	15.5	11.1	46.6	64.3	28.7	137	53.1	27.1	59.7	18.3	17.3	34.1
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2002)	(2003)
MIN	15.5	4.70	14.6	14.5	13.0	14.9	18.1	18.1	56.6	17.4	13.6	16.7
(WY)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)	(2003)	(2002)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	8,194.1		15,251.9			
ANNUAL MEAN	22.4		41.8		41.8	
HIGHEST ANNUAL MEAN					41.8	2003
LOWEST ANNUAL MEAN					41.8	2003
HIGHEST DAILY MEAN	206	Jun 7	404	Mar 22	404	Mar 22, 2003
LOWEST DAILY MEAN	1.9	Nov 29	1.9	Nov 29	0.65	Nov 28, 2001
ANNUAL SEVEN-DAY MINIMUM	3.5	Nov 25	3.5	Nov 25	0.71	Nov 23, 2001
10 PERCENT EXCEEDS	48		90		90	
50 PERCENT EXCEEDS	16		18		18	
90 PERCENT EXCEEDS	12		13		13	

e Estimated



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)
Nov 17	0900	60	2.13	Mar 18	1715	49	2.02
Jan 2	0215	92	2.39	Mar 21	0200	102	2.46
Feb 22	--	ab*145	c*2.85	Sep 28	1000	93	2.40

a About.
b From rating curve extended as explained above.
c Ice jam.

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.47	0.68	8.7	22	e3.8	10	16	5.1	15	4.2	1.8	1.3
2	0.44	0.68	7.9	59	e3.7	21	15	5.4	7.9	3.6	3.4	14
3	0.43	0.67	e7.4	35	e3.6	e20	14	5.2	6.3	3.2	2.2	6.6
4	0.46	0.67	e7.0	e29	e5.0	e18	13	4.3	9.1	3.0	4.3	5.9
5	0.56	0.64	6.6	25	e4.9	e15	13	3.9	11	2.6	3.9	3.9
6	0.47	2.2	e6.2	22	e4.6	e16	11	3.9	7.6	2.2	3.6	2.9
7	0.44	1.4	e5.8	20	e4.3	e15	10	3.7	10	2.4	2.6	2.5
8	e0.40	1.1	e5.6	18	e4.0	e12	10	4.8	10	3.0	3.4	2.3
9	e0.30	0.98	5.4	18	e3.8	14	13	4.1	8.2	2.9	2.6	2.0
10	e0.30	0.92	e5.4	16	e3.6	e13	12	3.5	7.2	2.7	4.1	1.9
11	e0.60	0.89	5.9	e14	e3.4	e12	13	3.4	8.3	2.7	2.8	1.7
12	e1.3	1.6	14	e11	e3.2	11	15	4.2	8.0	3.0	2.7	1.6
13	e1.7	4.1	10	e10	e3.0	11	12	3.4	18	2.1	2.3	1.6
14	e1.3	2.1	24	e9.6	e2.8	e11	11	3.0	12	1.8	2.0	8.4
15	e1.0	1.6	22	e8.6	e2.6	11	11	2.8	9.2	2.0	1.9	8.8
16	e1.3	2.4	21	e8.0	e2.5	16	9.8	2.7	7.2	3.3	1.7	8.4
17	e2.2	40	18	e7.4	e2.5	26	8.4	2.5	6.8	2.5	1.6	5.1
18	e2.5	31	e17	e7.0	e2.6	38	8.2	2.2	8.7	2.0	1.5	4.0
19	e2.3	19	15	e6.8	e2.9	38	7.9	2.0	7.6	1.8	1.5	7.8
20	e2.0	15	25	e6.6	e3.2	38	7.4	1.9	6.8	1.4	1.3	5.4
21	e1.1	13	21	e6.2	e3.6	79	7.0	2.0	11	2.1	1.3	4.3
22	e0.80	20	18	e5.8	e25	70	8.1	2.1	23	12	1.2	3.7
23	0.67	19	16	e5.4	e70	50	7.4	2.2	13	11	1.1	19
24	0.66	14	15	e5.2	51	37	6.4	2.2	11	4.8	1.1	11
25	0.63	13	14	e5.0	e26	30	5.8	2.1	9.3	3.3	1.1	8.1
26	1.6	12	18	e4.8	e20	24	7.1	8.0	8.2	2.5	1.0	9.3
27	1.2	12	15	e4.6	e13	22	6.7	5.5	7.2	2.2	1.0	8.9
28	0.91	11	13	e4.4	11	17	5.7	3.6	6.0	2.0	0.94	56
29	0.79	10	12	e4.3	---	21	5.4	3.0	5.9	1.8	0.92	35
30	0.74	9.7	11	e4.1	---	25	5.0	2.8	5.1	1.6	0.97	25
31	0.72	---	14	e3.9	---	19	---	4.5	---	1.4	0.90	---
TOTAL	30.29	261.33	404.9	406.7	289.6	760	295.3	110.0	284.6	97.1	62.73	276.4
MEAN	0.98	8.71	13.1	13.1	10.3	24.5	9.84	3.55	9.49	3.13	2.02	9.21
MAX	2.5	40	25	59	70	79	16	8.0	23	12	4.3	56
MIN	0.30	0.64	5.4	3.9	2.5	10	5.0	1.9	5.1	1.4	0.90	1.3
CFSM	0.25	2.21	3.32	3.33	2.63	6.22	2.50	0.90	2.41	0.79	0.51	2.34
IN.	0.29	2.47	3.82	3.84	2.73	7.18	2.79	1.04	2.69	0.92	0.59	2.61

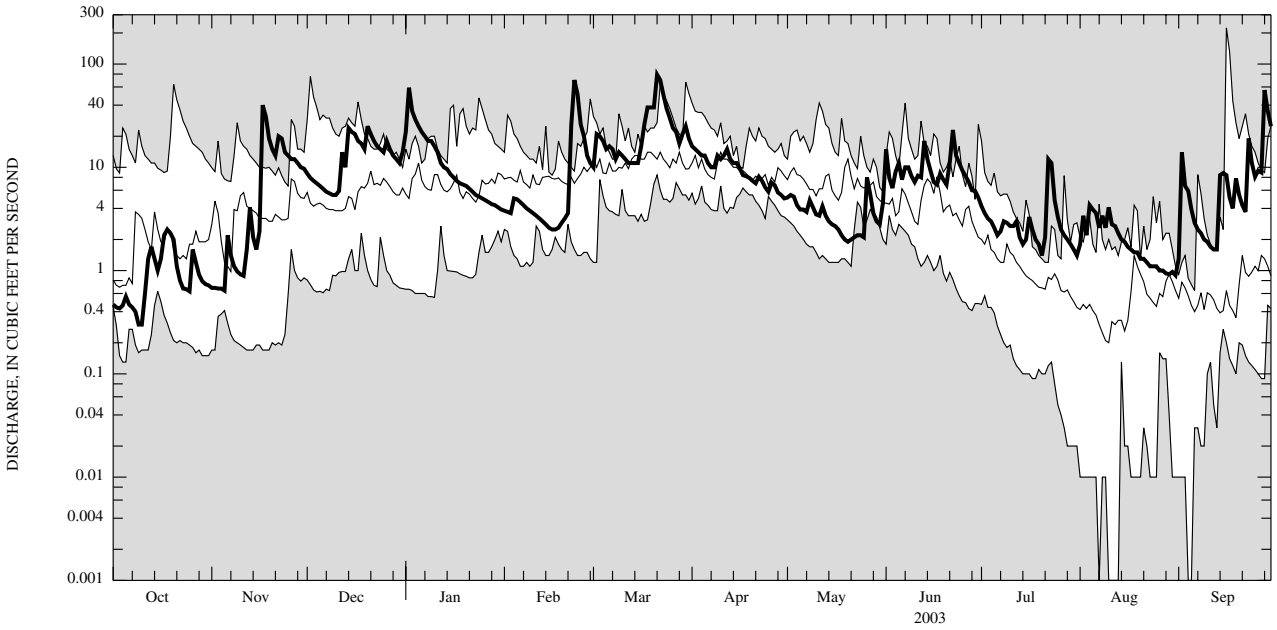
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	4.52	5.53	8.95	9.22	8.57	15.2	11.1	7.64	6.61	1.71	0.90	4.96
MAX	16.5	12.0	24.4	20.0	13.0	24.5	18.3	13.0	10.3	3.63	2.02	20.7
(WY)	(1997)	(1997)	(1997)	(1999)	(1999)	(2003)	(1997)	(1998)	(2000)	(1998)	(2003)	(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)

01374598 HORSE POUND BROOK NEAR LAKE CARMEL, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	1,742.40		3,278.95			
ANNUAL MEAN	4.77		8.98		7.04	
HIGHEST ANNUAL MEAN					9.22	1997
LOWEST ANNUAL MEAN					3.00	2002
HIGHEST DAILY MEAN	42	Jun 7	79	Mar 21	224	Sep 16, 1999
LOWEST DAILY MEAN	0.13	Sep 12	0.30	Oct 9	0.00	Aug 7, 1999
ANNUAL SEVEN-DAY MINIMUM	0.21	Sep 9	0.42	Oct 4	0.00	Aug 7, 1999
ANNUAL RUNOFF (CFSM)	1.21		2.28		1.79	
ANNUAL RUNOFF (INCHES)	16.45		30.96		24.28	
10 PERCENT EXCEEDS	14		20		16	
50 PERCENT EXCEEDS	1.9		5.4		4.4	
90 PERCENT EXCEEDS	0.38		1.1		0.41	

e Estimated



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, 191 ft^3/s, Oct. 2, gage height, 2.39 ft, outside gage height was 2.97 ft, from crest-stage gage; minimum daily, 11 ft^3/s, Oct. 17-20; minimum instantaneous discharge not determined; minimum gage height, 0.79 ft, Oct. 16.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

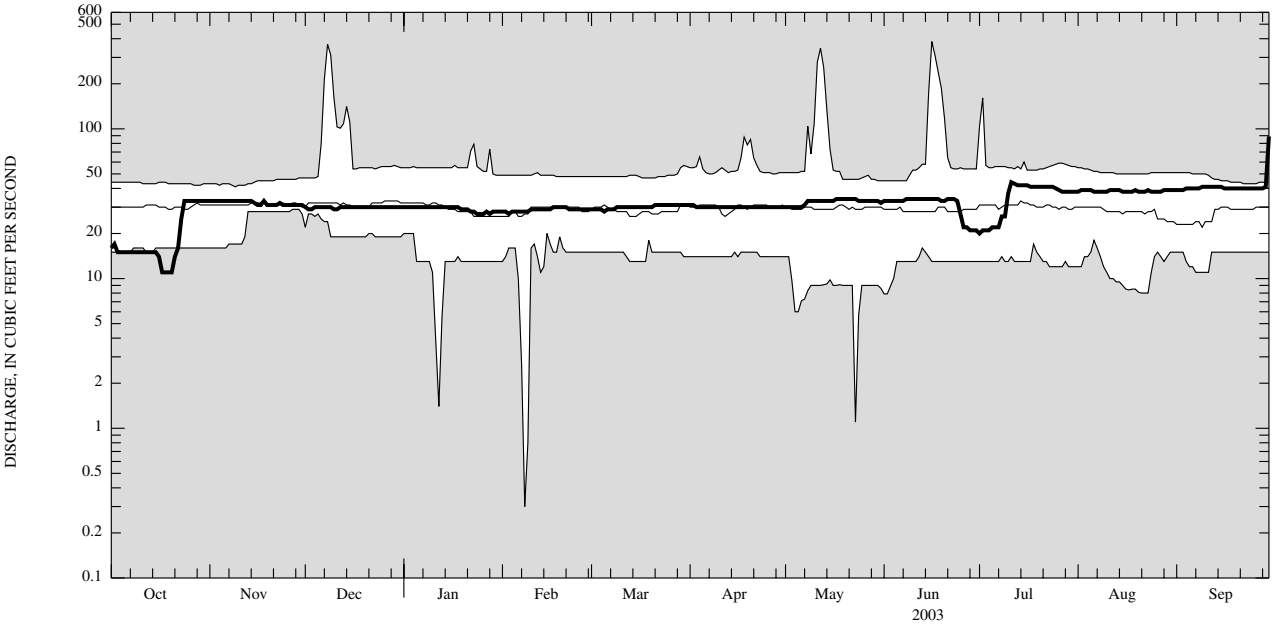
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	33	30	30	28	29	31	30	33	20	38	39
2	17	33	29	30	28	29	31	30	33	21	39	39
3	15	33	29	30	27	29	30	30	33	21	39	39
4	15	33	30	30	28	29	30	30	33	21	39	40
5	15	33	30	30	28	28	30	30	33	22	39	40
6	15	33	30	30	28	29	30	30	33	22	38	40
7	15	33	30	30	28	29	30	31	33	22	38	40
8	15	33	30	30	28	29	30	33	34	26	38	40
9	15	33	30	30	28	30	30	33	34	26	38	41
10	15	33	29	30	29	30	30	33	34	37	38	41
11	15	33	29	30	29	30	30	33	34	44	39	41
12	15	33	30	30	29	30	30	33	34	43	39	41
13	15	33	30	30	29	30	30	33	34	42	39	41
14	15	33	30	30	29	30	30	33	34	42	39	41
15	15	32	30	30	29	30	30	33	34	42	38	41
16	14	31	30	30	29	30	30	33	34	42	38	40
17	11	31	30	30	30	30	30	34	34	41	38	40
18	11	33	30	30	30	30	30	34	34	41	38	40
19	11	31	30	29	30	30	30	34	33	41	39	40
20	11	31	30	29	30	30	30	34	33	41	38	40
21	14	31	30	29	30	31	30	34	34	41	38	40
22	16	31	30	28	29	31	30	34	34	41	38	40
23	25	32	30	28	29	31	30	34	34	41	39	40
24	33	31	30	27	29	31	30	33	33	41	38	40
25	33	31	30	27	29	31	30	33	27	40	38	40
26	33	31	30	27	29	31	30	33	22	39	38	40
27	33	31	30	28	29	31	30	33	22	38	38	40
28	33	31	30	27	29	31	30	33	21	38	39	40
29	33	31	30	28	---	31	30	33	21	38	39	41
30	33	31	30	28	---	31	30	33	21	38	39	89
31	33	---	30	28	---	31	---	32	---	38	39	---
TOTAL	605	962	926	903	807	932	902	1,009	940	1,090	1,192	1,254
MEAN	19.5	32.1	29.9	29.1	28.8	30.1	30.1	32.5	31.3	35.2	38.5	41.8
MAX	33	33	30	30	30	31	31	34	34	44	39	89
MIN	11	31	29	27	27	28	30	30	21	20	38	39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	28.7	31.9	37.3	29.4	29.6	29.6	32.4	34.1	33.8	32.6	28.6	27.8
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	7,120.9		11,522			
ANNUAL MEAN	19.5		31.6		30.2	
HIGHEST ANNUAL MEAN					38.4	1998
LOWEST ANNUAL MEAN					21.0	2002
HIGHEST DAILY MEAN	34	Jan 4	89	Sep 30	383	Jun 16, 1998
LOWEST DAILY MEAN	6.0	May 4	11	Oct 17	0.30	Feb 8, 1998
ANNUAL SEVEN-DAY MINIMUM	7.5	May 4	12	Oct 15	7.5	May 4, 2002
10 PERCENT EXCEEDS	32		40		40	
50 PERCENT EXCEEDS	18		31		30	
90 PERCENT EXCEEDS	11		26		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, 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, 243 ft^3/s, Mar. 22, gage height, 4.03 ft; minimum discharge, 2.4 ft^3/s, Oct. 22, 23, 24; minimum gage height, 1.68 ft, Aug. 31, Sept. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	4.1	30	24	4.0	43	65	18	45	16	6.4	4.3
2	4.8	4.4	38	57	4.0	46	58	18	46	14	10	19
3	4.6	4.2	47	94	4.0	44	52	18	34	12	9.2	30
4	4.8	3.7	47	94	10	43	48	17	35	11	11	29
5	4.9	3.8	47	77	18	45	46	16	41	9.9	14	25
6	4.5	7.9	41	67	18	45	44	16	40	8.8	16	19
7	4.3	7.9	31	62	18	44	41	15	38	8.4	14	15
8	4.0	6.4	31	58	18	44	41	17	43	9.0	15	13
9	3.9	5.8	29	57	18	45	41	17	39	9.9	13	13
10	3.9	5.6	24	52	18	44	43	16	32	10	16	10
11	6.6	5.8	23	52	18	43	45	16	27	9.8	15	8.4
12	6.2	7.6	24	51	17	43	53	17	26	11	14	7.2
13	4.5	14	23	50	17	30	52	15	45	9.7	12	6.7
14	3.9	13	26	42	e12	6.8	45	14	52	8.5	11	12
15	3.7	13	24	19	e4.3	5.3	41	13	45	7.7	9.0	24
16	5.4	14	24	7.7	e3.8	6.6	39	12	35	10	8.2	85
17	3.9	69	37	13	3.5	34	35	11	27	11	7.8	52
18	3.2	147	49	e20	5.2	68	19	10	27	9.0	7.3	35
19	2.9	127	52	20	4.6	73	15	9.7	27	8.1	6.5	21
20	2.7	81	55	20	4.6	79	21	9.2	27	6.8	5.9	5.8
21	2.6	46	54	20	4.4	168	23	9.2	32	7.6	5.4	5.7
22	2.4	8.7	53	e20	6.6	233	25	9.1	70	29	5.0	5.7
23	2.4	24	53	e20	9.1	215	26	9.0	72	48	4.5	45
24	2.5	32	53	e20	17	166	24	9.5	55	36	4.1	39
25	2.5	33	54	19	20	125	22	9.3	42	24	4.0	40
26	4.8	43	53	19	28	104	23	24	33	17	3.9	37
27	5.1	46	42	e19	42	92	24	30	27	13	3.9	39
28	6.2	36	18	e19	43	68	22	25	22	12	3.8	76
29	5.5	31	18	19	---	47	21	20	19	9.3	3.7	160
30	4.8	30	18	13	---	76	19	18	18	7.8	3.8	108
31	4.2	---	19	4.1	---	76	---	20	---	6.7	3.6	---
TOTAL	130.6	874.9	1,137	1,128.8	390.1	2,201.7	1,073	478.0	1,121	411.0	267.0	989.8
MEAN	4.21	29.2	36.7	36.4	13.9	71.0	35.8	15.4	37.4	13.3	8.61	33.0
MAX	6.6	147	55	94	43	233	65	30	72	48	16	160
MIN	2.4	3.7	18	4.1	3.5	5.3	15	9.0	18	6.7	3.6	4.3

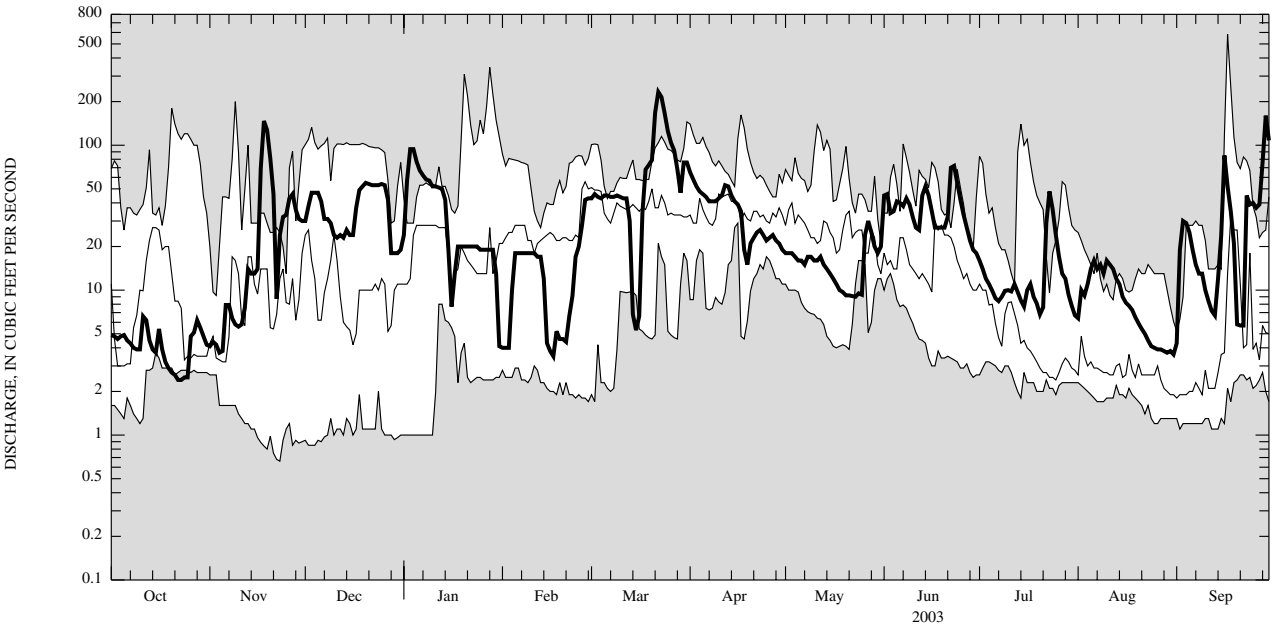
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	18.4	17.1	28.8	32.1	27.4	43.4	38.1	27.6	23.2	11.3	5.38	17.4
MAX	56.7	37.3	87.3	77.8	49.7	71.0	58.4	43.0	37.4	38.3	12.4	54.7
(WY)	(1997)	(1997)	(1997)	(1996)	(1996)	(2003)	(1996)	(1998)	(2003)	(1996)	(1996)	(1999)
MIN	4.21	1.27	1.09	2.93	2.26	10.8	18.5	9.85	5.89	2.71	1.74	2.22
(WY)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(1999)	(2001)	(1999)	(1999)	(2001)	(2000)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	5,690.6		10,202.9			
ANNUAL MEAN	15.6		28.0		22.6	
HIGHEST ANNUAL MEAN					31.0	1997
LOWEST ANNUAL MEAN					10.4	2002
HIGHEST DAILY MEAN	147	Nov 18	233	Mar 22	585	Sep 17, 1999
LOWEST DAILY MEAN	1.0	Jan 1	2.4	Oct 22	0.66	Nov 23, 2001
ANNUAL SEVEN-DAY MINIMUM	1.0	Jan 1	2.6	Oct 19	0.80	Nov 17, 2001
10 PERCENT EXCEEDS	41		54		53	
50 PERCENT EXCEEDS	5.7		19		13	
90 PERCENT EXCEEDS	2.3		4.4		2.3	

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, 842 ft^3/s, Mar. 22, gage height, 3.33 ft; minimum discharge, 31 ft^3/s, Oct. 5, 6, gage height, 1.26 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

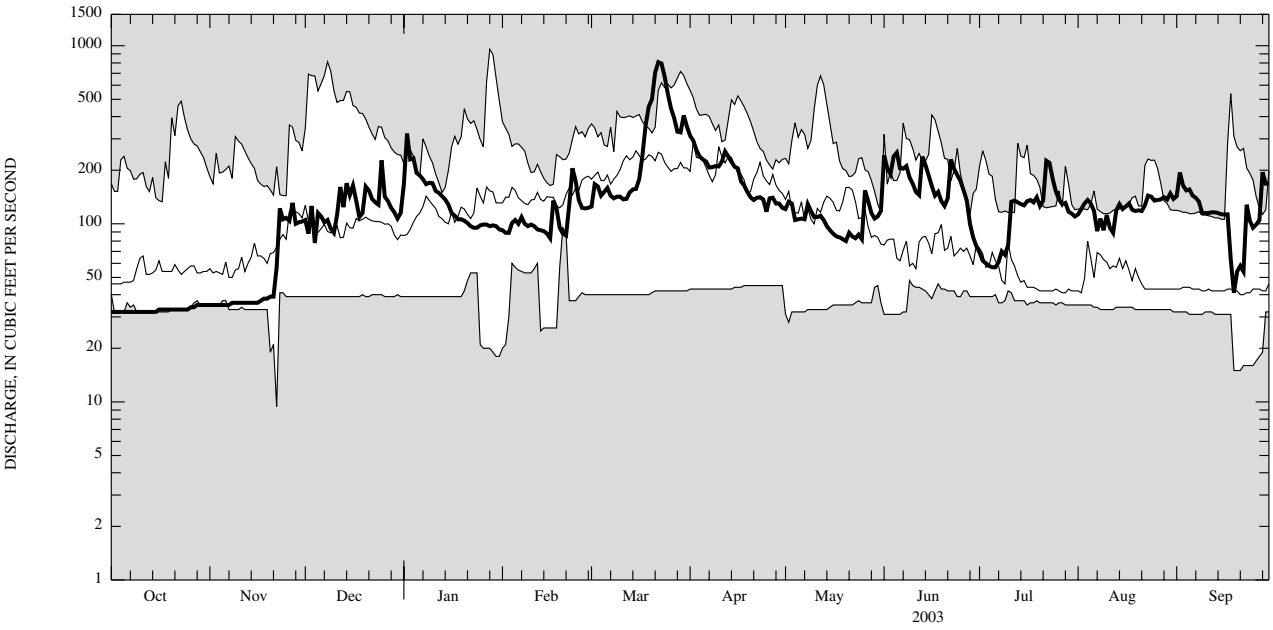
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	35	105	167	92	125	312	121	242	69	113	143
2	32	35	88	321	89	167	293	133	205	62	121	194
3	32	35	126	230	89	162	259	130	190	60	130	164
4	32	35	78	233	101	144	239	105	239	58	136	154
5	32	35	115	193	105	151	230	106	251	57	130	156
6	32	35	110	187	100	159	224	107	205	57	118	144
7	32	35	102	178	109	144	207	106	204	61	91	140
8	32	36	105	167	100	139	208	129	211	70	107	133
9	32	36	94	170	97	142	211	118	182	67	92	115
10	32	36	89	169	99	142	210	109	168	76	112	115
11	32	36	112	153	97	137	224	109	151	133	95	115
12	32	36	161	149	93	138	255	111	145	135	89	116
13	32	36	124	143	92	150	239	105	238	132	119	116
14	32	36	169	137	91	156	223	97	214	129	129	115
15	32	36	145	128	88	157	209	92	187	127	121	113
16	33	36	164	115	83	178	205	88	163	134	125	113
17	33	37	135	111	135	241	173	85	144	136	130	113
18	33	38	109	106	122	356	164	84	151	132	120	63
19	33	38	115	106	95	455	151	82	134	141	118	41
20	33	39	162	104	88	500	141	80	126	126	119	54
21	33	39	154	101	86	707	136	89	139	135	118	58
22	33	57	138	97	128	809	140	85	230	226	127	54
23	33	122	132	95	205	795	141	83	204	220	144	128
24	33	106	128	95	174	670	137	87	188	179	142	104
25	33	108	227	98	136	536	117	82	174	152	135	95
26	34	104	142	99	123	444	139	154	154	137	136	99
27	34	131	134	99	122	392	140	134	135	129	137	105
28	35	100	123	97	123	329	130	115	100	131	141	195
29	35	102	116	98	---	326	130	107	84	117	137	168
30	35	103	107	97	---	406	123	110	75	114	148	168
31	35	---	115	93	---	352	---	118	---	110	138	---
TOTAL	1,018	1,693	3,924	4,336	3,062	9,709	5,710	3,261	5,233	3,612	3,818	3,591
MEAN	32.8	56.4	127	140	109	313	190	105	174	117	123	120
MAX	35	131	227	321	205	809	312	154	251	226	148	195
MIN	32	35	78	93	83	125	117	80	75	57	89	41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	76.9	86.3	146	144	148	238	202	129	104	75.4	74.0	66.8
MAX	196	201	460	250	232	385	343	238	174	128	123	125
(WY)	(1997)	(1997)	(1997)	(1995)	(1996)	(1994)	(1994)	(1998)	(2003)	(1996)	(2003)	(1999)
MIN	32.8	41.7	39.4	48.7	79.1	40.7	44.0	34.6	49.0	38.3	33.5	37.2
(WY)	(2003)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)	(1999)	(2002)	(2001)	(2001)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	23,894		48,967			
ANNUAL MEAN	65.5		134		121	
HIGHEST ANNUAL MEAN					170	1997
LOWEST ANNUAL MEAN					66.8	2002
HIGHEST DAILY MEAN	227	Dec 25	809	Mar 22	954	Jan 28, 1996
LOWEST DAILY MEAN	25	Feb 13	32	Oct 1	9.4	Nov 22, 2001
ANNUAL SEVEN-DAY MINIMUM	31	Jun 1	32	Oct 1	16	Sep 19, 1995
10 PERCENT EXCEEDS	131		216		239	
50 PERCENT EXCEEDS	42		121		96	
90 PERCENT EXCEEDS	32		35		38	

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.--Records fair except those for estimated daily discharges, which are poor. 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, 318 ft^3/s, Mar. 22, gage height, 4.17 ft, from rating curve extended above 120 ft^3/s; minimum discharge, 8.0 ft^3/s, Dec. 11, 12, 13; minimum gage height, 1.48 ft, July 29, 20, 31, Aug. 1, 2, 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	11	11	82	16	44	99	37	173	17	9.5	9.8
2	9.7	11	11	281	17	64	85	42	185	15	9.2	12
3	9.7	11	11	224	19	97	76	54	112	15	9.4	11
4	9.8	11	11	147	28	81	71	45	112	13	19	12
5	9.6	11	11	107	39	73	66	37	192	12	39	13
6	9.6	11	10	89	33	83	62	34	159	11	42	11
7	9.6	11	10	77	34	71	62	35	125	12	35	10
8	9.9	11	10	68	27	61	62	91	127	14	48	11
9	9.6	11	9.8	64	23	60	67	82	101	14	37	12
10	9.6	11	8.8	65	21	65	78	61	80	14	82	9.8
11	10	11	8.8	59	e19	56	82	51	67	11	93	10
12	9.9	11	8.7	49	e17	50	105	45	63	9.6	58	11
13	9.9	11	19	44	e15	54	102	43	126	9.3	35	12
14	9.9	11	106	38	e14	53	81	39	136	9.3	24	10
15	9.9	11	131	35	e13	49	67	38	98	9.4	18	12
16	10	11	100	31	e12	70	61	40	71	9.7	15	33
17	9.9	16	79	e28	29	142	56	27	53	9.6	24	40
18	9.8	14	61	e25	32	219	47	23	56	9.6	45	39
19	9.9	13	51	e22	23	218	43	22	60	9.8	31	39
20	9.9	12	73	e20	19	172	42	21	56	9.9	20	37
21	9.9	12	115	e18	18	274	41	24	57	10	15	27
22	9.7	13	88	e16	34	285	44	30	110	17	12	19
23	9.8	12	68	e15	111	206	44	30	101	46	11	137
24	10	11	56	14	138	147	40	34	72	37	9.9	179
25	10	11	68	14	109	116	36	27	52	24	9.9	90
26	11	11	76	14	79	99	45	78	39	16	9.9	52
27	11	11	66	e14	61	97	55	130	31	12	9.9	43
28	11	11	59	e14	51	86	52	92	24	12	9.6	97
29	11	11	53	14	---	85	45	64	20	9.3	9.6	126
30	11	11	48	14	---	142	40	50	18	9.0	9.6	84
31	10	---	50	14	---	129	---	55	---	10	9.6	---
TOTAL	310.5	345	1,488.1	1,716	1,051	3,448	1,856	1,481	2,676	436.5	809.1	1,208.6
MEAN	10.0	11.5	48.0	55.4	37.5	111	61.9	47.8	89.2	14.1	26.1	40.3
MAX	11	16	131	281	138	285	105	130	192	46	93	179
MIN	9.6	11	8.7	14	12	44	36	21	18	9.0	9.2	9.8

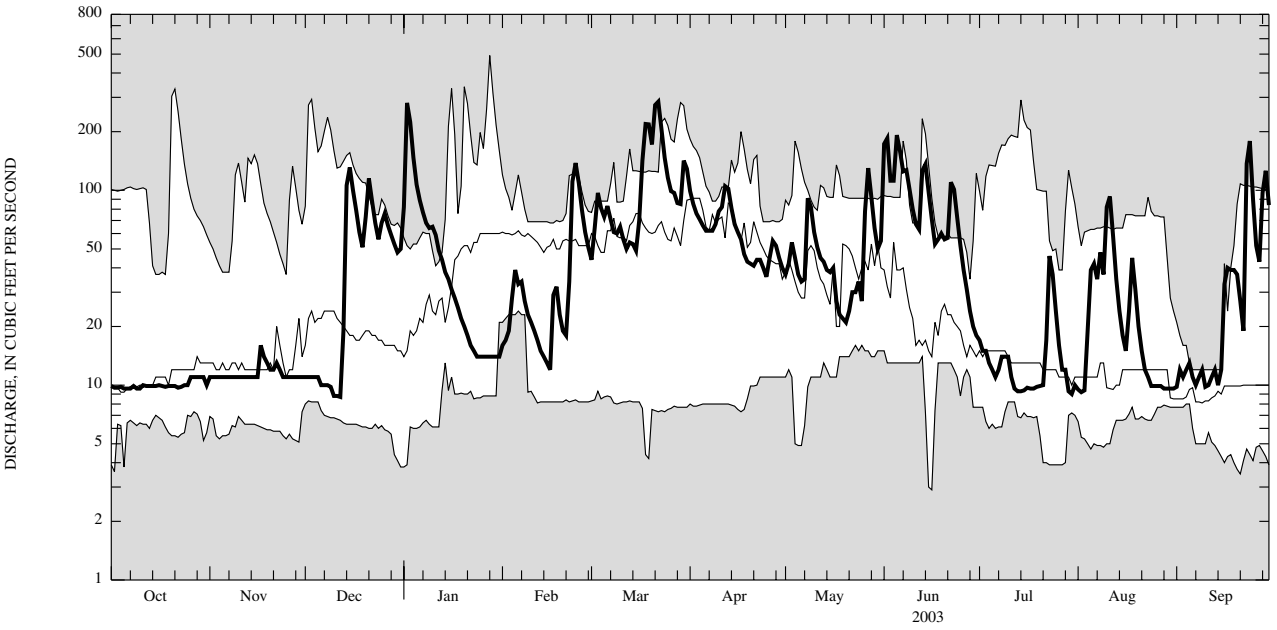
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	23.9	24.1	36.9	50.4	52.4	66.2	62.9	46.0	40.9	29.0	22.1	17.6
MAX	81.3	64.3	133	109	73.7	111	89.1	88.8	89.2	113	56.9	46.6
(WY)	(1997)	(1997)	(1997)	(1996)	(1996)	(2003)	(1996)	(1997)	(2003)	(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	8,055.7		16,825.8			
ANNUAL MEAN	22.1		46.1		38.7	
HIGHEST ANNUAL MEAN					66.0	1997
LOWEST ANNUAL MEAN					18.8	2002
HIGHEST DAILY MEAN	179	Jun 7	285	Mar 22	492	Jan 28, 1996
LOWEST DAILY MEAN	4.9	May 5	8.7	Dec 12	2.9	Jun 16, 1999
ANNUAL SEVEN-DAY MINIMUM	6.0	Sep 5	9.4	Dec 6	3.9	Jul 21, 1999
10 PERCENT EXCEEDS	64		105		88	
50 PERCENT EXCEEDS	10		30		20	
90 PERCENT EXCEEDS	7.7		9.9		8.0	

e Estimated

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)
Jan. 2	0900	*212	*3.82				

Minimum discharge, 1.8 ft^3/s, Oct. 10, gage height, 1.46 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	6.9	29	60	12	36	75	24	117	14	2.8	3.2
2	4.0	5.9	25	171	14	49	66	27	105	11	5.5	31
3	3.3	5.5	20	122	16	e74	59	34	80	10	18	21
4	3.2	5.2	e18	115	23	e60	53	28	88	9.6	40	18
5	3.4	5.2	16	97	e25	e52	50	24	113	8.1	34	16
6	2.9	12	e16	84	e22	e50	47	22	93	7.0	24	10
7	2.5	12	e16	76	18	e47	42	21	83	6.3	16	7.3
8	2.2	10	e16	68	e17	e45	44	46	88	6.8	20	5.9
9	2.0	9.1	e16	65	e16	e49	52	40	74	6.5	16	5.1
10	1.9	8.5	e16	59	15	e47	55	33	65	8.3	52	4.5
11	4.5	8.2	16	50	e14	e37	55	27	59	7.7	39	3.7
12	21	12	46	e43	e13	40	78	28	56	6.6	30	3.3
13	18	30	43	e37	e12	41	71	27	96	5.5	19	3.1
14	18	21	82	e33	e12	38	60	24	94	4.5	14	13
15	12	18	74	e30	e11	39	52	21	76	4.4	11	18
16	14	16	65	e27	e11	58	47	19	59	4.0	8.9	37
17	22	65	e47	e24	e11	94	40	17	48	5.9	17	32
18	17	93	e42	e22	e12	115	37	16	57	3.8	29	28
19	14	73	39	e20	e13	110	34	14	55	3.6	12	42
20	11	57	52	e18	e14	100	28	11	48	3.7	8.3	30
21	9.1	45	61	e17	e19	167	23	12	48	4.2	11	17
22	7.7	48	51	e15	33	147	26	13	74	15	9.2	11
23	6.9	53	44	e14	97	123	27	14	62	16	8.0	74
24	5.9	44	39	e13	116	102	25	16	49	16	5.8	75
25	5.4	38	35	e12	85	89	23	15	38	11	4.6	49
26	14	32	34	12	71	80	35	52	31	7.4	4.1	38
27	13	31	51	e11	57	77	39	64	26	4.7	3.8	33
28	12	30	44	11	43	67	35	49	22	4.3	3.3	74
29	10	27	38	e11	---	68	30	37	19	3.5	2.9	76
30	8.6	25	35	e11	---	103	26	29	17	3.1	2.9	62
31	7.7	---	38	11	---	89	---	33	---	2.8	2.6	---
TOTAL	282.3	846.5	1,164	1,359	822	2,293	1,334	837	1,940	225.3	474.7	841.1
MEAN	9.11	28.2	37.5	43.8	29.4	74.0	44.5	27.0	64.7	7.27	15.3	28.0
MAX	22	93	82	171	116	167	78	64	117	16	52	76
MIN	1.9	5.2	16	11	11	36	23	11	17	2.8	2.6	3.1
CFSM	0.53	1.65	2.20	2.56	1.72	4.33	2.60	1.58	3.78	0.43	0.90	1.64
IN.	0.61	1.84	2.53	2.96	1.79	4.99	2.90	1.82	4.22	0.49	1.03	1.83

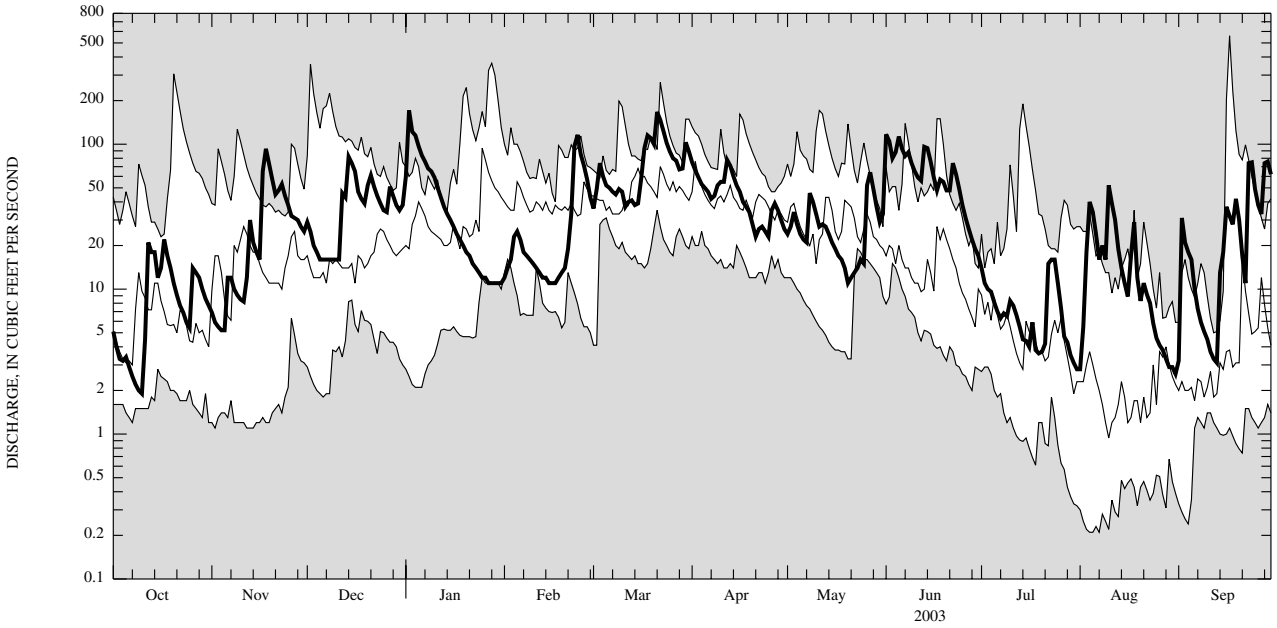
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	16.7	22.8	35.3	43.0	40.0	57.4	44.8	33.8	27.3	10.5	6.07	15.3
MAX	61.2	51.3	111	89.7	59.8	76.8	72.9	55.0	64.7	35.9	15.3	58.6
(WY)	(1997)	(1997)	(1997)	(1996)	(1996)	(1998)	(1996)	(1998)	(2003)	(1996)	(2003)	(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)

01374890 CROSS RIVER NEAR CROSS RIVER, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	6,339.66		12,418.9			
ANNUAL MEAN	17.4		34.0		28.0	
HIGHEST ANNUAL MEAN					40.5	1997
LOWEST ANNUAL MEAN					11.9	2002
HIGHEST DAILY MEAN	107	Jun 7	171	Jan 2	560	Sep 17, 1999
LOWEST DAILY MEAN	0.31	Aug 28	1.9	Oct 10	0.21	Aug 4, 1999
ANNUAL SEVEN-DAY MINIMUM	0.40	Aug 18	2.6	Oct 4	0.23	Aug 2, 1999
ANNUAL RUNOFF (CFSM)	1.02		1.99		1.64	
ANNUAL RUNOFF (INCHES)	13.79		27.02		22.27	
10 PERCENT EXCEEDS	44		76		65	
50 PERCENT EXCEEDS	12		24		18	
90 PERCENT EXCEEDS	1.9		5.1		1.8	

e Estimated



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.--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, 294 ft^3/s, Mar. 21, gage height, 3.31 ft; minimum discharge, 7.6 ft^3/s, Dec. 31, Jan. 1, 2, 3, 9, 10, and part or all of several days in July to September, gage height, 1.32 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	75	17	8.2	9.8	63	126	48	192	25	7.7	8.0
2	15	75	17	8.6	10	92	112	52	188	24	7.6	22
3	16	75	17	8.6	9.8	123	101	64	137	24	7.7	38
4	17	75	17	8.7	10	101	93	56	158	23	7.8	28
5	17	75	18	8.7	10	97	88	47	216	23	15	23
6	16	73	18	8.7	10	111	e84	40	169	23	27	17
7	15	72	18	8.7	10	93	81	38	147	23	28	13
8	15	72	18	8.7	11	83	82	82	156	22	47	11
9	15	72	19	8.8	11	83	92	76	130	21	38	11
10	16	72	17	8.7	11	85	104	63	113	21	89	8.2
11	44	72	14	9.3	11	73	104	57	99	21	76	8.3
12	77	73	14	9.5	10	70	135	48	99	21	56	9.5
13	77	73	14	9.6	10	72	128	43	176	22	36	9.5
14	76	72	15	9.8	10	69	105	47	174	22	24	9.2
15	76	71	15	9.8	10	65	90	45	135	22	18	14
16	75	68	15	9.8	11	86	81	42	106	22	14	40
17	76	68	15	9.8	11	149	75	26	84	22	21	39
18	76	70	15	9.8	11	197	63	25	96	22	47	38
19	76	69	15	9.8	11	191	59	23	97	22	28	72
20	75	45	15	9.8	11	167	56	21	85	22	17	54
21	74	16	15	9.9	11	276	50	20	84	23	14	33
22	74	17	15	10	11	251	51	23	132	22	13	23
23	75	17	15	9.8	11	205	49	23	115	22	11	144
24	76	17	15	9.8	11	170	46	25	91	22	8.3	167
25	76	16	15	9.8	45	144	46	24	73	13	7.7	90
26	76	16	15	9.8	76	132	60	87	60	7.6	7.7	61
27	76	15	15	9.8	75	131	70	130	49	7.6	7.7	66
28	75	15	15	9.8	68	115	63	94	39	7.6	7.7	157
29	75	16	15	9.8	---	119	57	72	33	7.6	8.1	152
30	76	16	15	9.9	---	185	52	57	28	7.6	7.6	103
31	75	---	11	9.8	---	156	---	64	---	7.6	7.8	---
TOTAL	1,713	1,578	484	291.6	516.6	3,954	2,403	1,562	3,461	594.6	712.4	1,468.7
MEAN	55.3	52.6	15.6	9.41	18.4	128	80.1	50.4	115	19.2	23.0	49.0
MAX	77	75	19	10	76	276	135	130	216	25	89	167
MIN	15	15	11	8.2	9.8	63	46	20	28	7.6	7.6	8.0

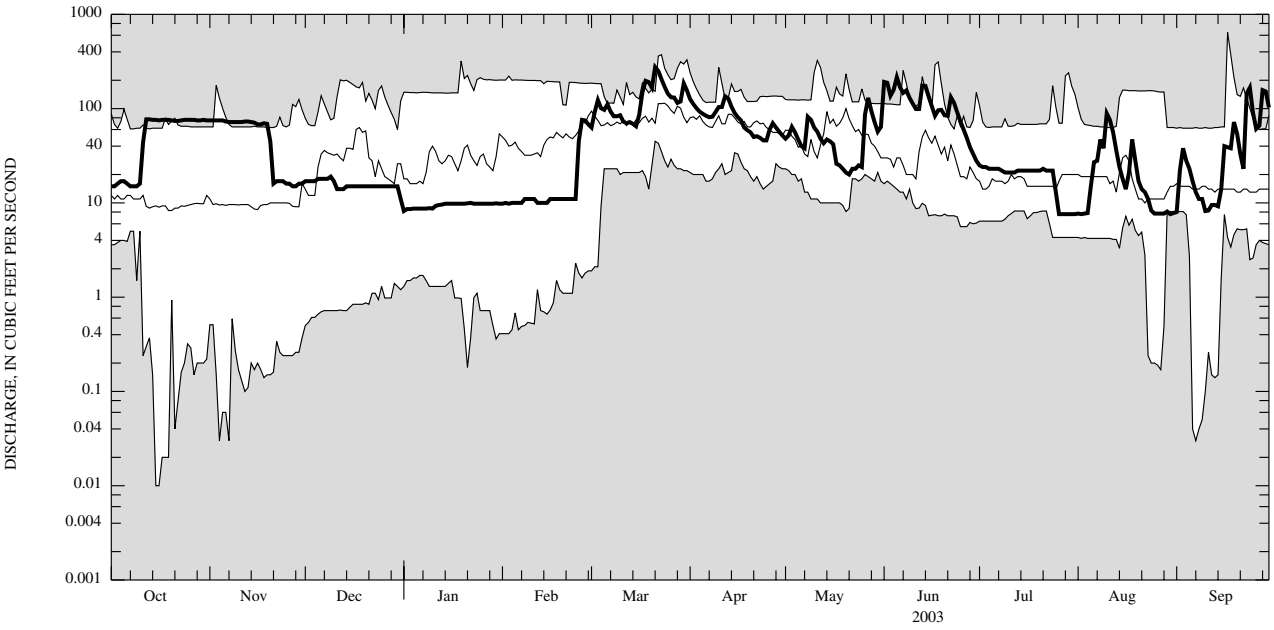
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	25.1	26.8	39.4	49.8	56.0	90.1	76.3	63.6	51.7	28.5	34.2	29.9
MAX	62.9	63.9	84.4	161	189	142	119	120	115	67.0	86.0	84.7
(WY)	(1997)	(1997)	(1995)	(1997)	(1997)	(2001)	(1996)	(1996)	(2003)	(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	13,330.1		18,738.9			
ANNUAL MEAN	36.5		51.3		46.8	
HIGHEST ANNUAL MEAN					71.4	1997
LOWEST ANNUAL MEAN					26.8	1998
HIGHEST DAILY MEAN	219	Jun 7	276	Mar 21	644	Sep 17, 1999
LOWEST DAILY MEAN	6.9	Jan 11	7.6	Jul 26	0.01	Oct 15, 1997
ANNUAL SEVEN-DAY MINIMUM	7.0	Jan 7	7.6	Jul 26	0.09	Oct 13, 1997
10 PERCENT EXCEEDS	76		117		114	
50 PERCENT EXCEEDS	19		28		26	
90 PERCENT EXCEEDS	7.0		9.6		7.0	

e Estimated

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 200 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 2	0145	*403	*3.28	Sep 23	1245	254	2.79
Mar 21	0315	260	2.81	Sep 28	0900	252	2.78
Jun 1	0800	226	2.68				

Minimum discharge, 3.2 ft^3/s, Oct. 3, 10, 11, gage height, 0.86 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	5.5	24	91	e16	31	58	32	132	18	7.9	9.5
2	4.1	5.3	20	246	19	e66	53	38	96	19	11	47
3	3.6	5.2	17	139	21	e56	48	45	63	18	20	29
4	5.3	5.2	15	106	32	59	45	35	88	16	55	21
5	6.5	5.2	15	83	30	54	45	31	114	15	43	18
6	5.4	15	16	73	21	59	43	30	74	13	27	13
7	4.4	13	16	66	e19	e47	40	29	68	11	20	11
8	3.7	9.0	e16	58	e18	42	43	50	72	12	37	9.4
9	3.6	7.8	16	57	e17	50	55	42	59	13	24	8.7
10	3.6	7.3	e16	56	18	e44	57	35	49	13	59	7.9
11	13	7.3	19	48	e16	e35	59	32	41	13	36	7.3
12	39	14	77	42	e15	38	89	34	45	15	25	7.1
13	31	41	53	e38	e15	43	72	33	111	13	18	7.3
14	18	24	122	e32	e15	37	56	29	91	12	15	12
15	12	16	89	e28	e14	40	49	27	68	10	13	19
16	21	14	67	e25	e15	75	48	25	51	9.8	12	31
17	27	114	51	e23	e15	115	42	24	44	12	25	23
18	15	116	e38	e22	e15	120	38	23	57	9.4	37	16
19	9.4	69	36	e21	e16	97	36	21	57	9.6	23	33
20	7.7	46	67	e20	e16	81	35	21	46	8.4	16	25
21	6.6	e40	68	e19	17	182	33	21	49	9.0	13	18
22	5.6	e45	51	e17	46	132	35	22	75	23	13	14
23	5.1	e50	43	e16	127	97	35	22	54	23	16	117
24	4.7	e36	38	e15	90	77	32	24	40	17	12	78
25	4.7	e28	41	e14	65	66	29	23	32	13	10	47
26	20	25	46	e14	e50	60	39	81	27	11	9.2	31
27	16	27	51	e15	e38	63	46	74	26	9.1	9.5	36
28	10	26	45	e15	e33	53	37	46	22	9.1	8.9	136
29	7.9	24	41	e15	---	65	33	38	20	7.8	7.6	81
30	6.8	24	39	e15	---	96	31	31	20	7.1	7.9	56
31	6.1	---	43	e15	---	73	---	32	---	7.0	7.1	---
TOTAL	331.2	864.8	1,296	1,444	829	2,153	1,361	1,050	1,791	396.3	638.1	969.2
MEAN	10.7	28.8	41.8	46.6	29.6	69.5	45.4	33.9	59.7	12.8	20.6	32.3
MAX	39	116	122	246	127	182	89	81	132	23	59	136
MIN	3.6	5.2	15	14	14	31	29	21	20	7.0	7.1	7.1
CFSM	0.57	1.54	2.24	2.49	1.58	3.71	2.43	1.81	3.19	0.68	1.10	1.73
IN.	0.66	1.72	2.58	2.87	1.65	4.28	2.71	2.09	3.56	0.79	1.27	1.93

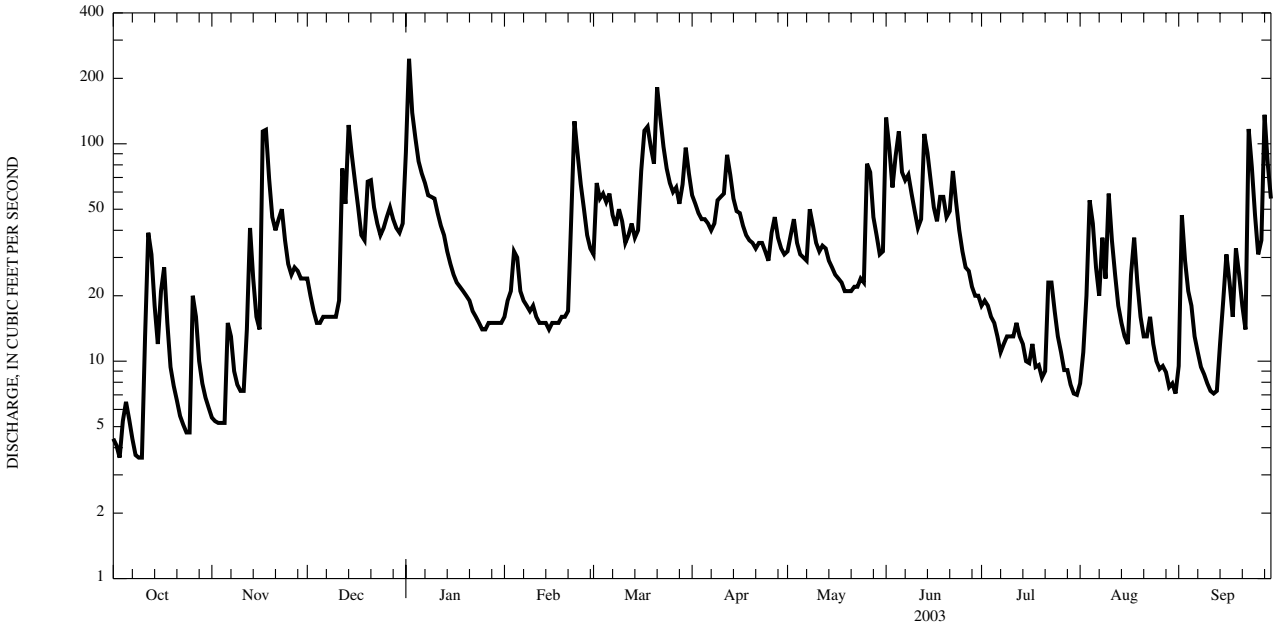
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	13.9	19.4	28.1	25.7	27.6	53.5	39.0	29.3	37.8	9.24	10.2	23.4
MAX	32.6	31.1	41.8	46.6	36.3	74.9	50.8	37.3	59.7	13.2	20.6	58.4
(WY)	(2000)	(2000)	(2003)	(2003)	(2001)	(2001)	(2001)	(2002)	(2003)	(2000)	(2003)	(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)

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	7,016.8		13,123.6			
ANNUAL MEAN	19.2		36.0		25.9	
HIGHEST ANNUAL MEAN					36.0	2003
LOWEST ANNUAL MEAN					14.1	2002
HIGHEST DAILY MEAN	149	Jun 7	246	Jan 2	550	Sep 17, 1999
LOWEST DAILY MEAN	1.4	Aug 28	3.6	Oct 3	1.4	Aug 28, 2002
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 22	4.6	Oct 3	1.7	Aug 1, 1999
ANNUAL RUNOFF (CFSM)	1.03		1.92		1.39	
ANNUAL RUNOFF (INCHES)	13.96		26.11		18.82	
10 PERCENT EXCEEDS	43		74		55	
50 PERCENT EXCEEDS	14		27		19	
90 PERCENT EXCEEDS	3.2		7.9		5.0	

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2001 to current year.
PESTICIDE DATA: 2001-02 (e), 2003 (d).

REMARKS.--For many of the samples collected, analysis was performed using three analytical methods; method SH2010, method SH2003, and method SH2060. 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.

METHOD SH2010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)
OCT													
09...	1145	3.6	10	<0.006	<0.006	<0.006	<0.004	<0.005	73.1	<0.007	<0.050	<0.010	<0.002
NOV													
05...	1130	5.7	10	<0.006	<0.006	<0.006	<0.004	<0.005	101	<0.007	<0.050	<0.010	<0.002
12...	2115	32	50	<0.006	<0.006	<0.006	<0.004	<0.005	101	<0.007	<0.050	<0.010	<0.002
13...	0045	55	50	<0.006	<0.006	<0.006	<0.004	<0.005	116	<0.007	<0.050	<0.010	<0.002
13...	2030	33	50	<0.006	<0.006	<0.006	<0.004	<0.005	100	<0.007	<0.050	<0.010	<0.002
17...	0830	168	50	<0.006	<0.006	<0.006	<0.004	<0.005	103	<0.007	<0.050	<0.010	<0.002
19...	2130	57	50	<0.006	<0.006	<0.006	<0.004	<0.005	101	<0.007	<0.050	<0.010	<0.002
DEC													
12...	0920	78	50	<0.006	<0.006	<0.006	<0.004	<0.005	134	<0.007	<0.050	<0.010	<0.002
17...	1510	49	10	<0.006	<0.006	<0.006	<0.004	<0.005	94.0	<0.007	<0.050	<0.010	<0.002
17...*	1511	49	10	<0.006	<0.006	<0.006	<0.004	<0.005	87.3	<0.007	<0.050	<0.010	<0.002
JAN													
15...	1440	e28	10	<0.006	<0.006	<0.006	<0.004	<0.005	96.2	<0.007	<0.050	<0.010	<0.002
MAR													
11...	1510	e35	10	<0.006	<0.006	<0.006	<0.004	<0.005	89.3	<0.007	<0.050	<0.010	<0.002

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)
OCT													
09...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	103	<0.005	<0.02	<0.002	<0.009
NOV													
05...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	120	<0.005	<0.02	<0.002	<0.009
12...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	107	<0.005	<0.02	<0.002	<0.009
13...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	118	<0.005	<0.02	<0.002	<0.009
13...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	105	<0.005	<0.02	<0.002	<0.009
17...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	114	<0.005	<0.02	<0.002	<0.009
19...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	110	<0.005	<0.02	<0.002	<0.009
DEC													
12...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	E153	<0.005	<0.02	<0.002	<0.009
17...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	113	<0.005	<0.02	<0.002	<0.009
17...*	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	108	<0.005	<0.02	<0.002	<0.009
JAN													
15...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	104	<0.005	<0.02	<0.002	<0.009
MAR													
11...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	102	<0.005	<0.02	<0.002	<0.009

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY—Continued

METHOD SH2010--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)
OCT													
09...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
NOV													
05...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
12...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
13...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
13...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
17...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
19...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
DEC													
12...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
17...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
17...*	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
JAN													
15...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
MAR													
11...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002

Date	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)
OCT													
09...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.031	<0.02
NOV													
05...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.020	<0.02
12...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.011	<0.02
13...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.008	<0.02
13...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.008	<0.02
17...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	M	<0.004	<0.010	<0.011	<0.02	0.007	<0.02
19...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	M	<0.004	<0.010	<0.011	<0.02	0.041	<0.02
DEC													
12...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.009	<0.02
17...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	M	<0.004	<0.010	<0.011	<0.02	0.018	<0.02
17...*	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.018	<0.02
JAN													
15...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.029	<0.02
MAR													
11...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.013	<0.02

Date	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
OCT					
09...	<0.034	<0.02	<0.005	<0.002	<0.009
NOV					
05...	<0.034	<0.02	<0.005	<0.002	<0.009
12...	<0.034	<0.02	<0.005	<0.002	<0.009
13...	<0.034	<0.02	<0.005	<0.002	<0.009
13...	<0.034	<0.02	<0.005	<0.002	<0.009
17...	<0.034	<0.02	<0.005	<0.002	<0.009
19...	<0.034	<0.02	<0.005	<0.002	<0.009
DEC					
12...	<0.034	<0.02	<0.005	<0.002	<0.009
17...	<0.034	<0.02	<0.005	<0.002	<0.009
17...*	<0.034	<0.02	<0.005	<0.002	<0.009
JAN					
15...	<0.034	<0.02	<0.005	<0.002	<0.009
MAR					
11...	<0.034	<0.02	<0.005	<0.002	<0.009

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY—Continued

METHOD SH2003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2,6'-'diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)
MAY													
13...	1520	32	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	0.006	<0.006	<0.006	<0.004
JUN													
12...	1300	46	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	E.002	<0.006	<0.006	<0.004
JUL													
07...	1335	12	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	0.008	<0.006	<0.006	<0.004
SEP													
09...	1145	8.7	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	0.017	<0.006	<0.006	<0.004

Date	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)
MAY													
13...	E.003	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
JUN													
12...	E.007	<0.02	<0.050	<0.010	E.025	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
JUL													
07...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
SEP													
09...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01

Date	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
MAY													
13...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
JUN													
12...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
JUL													
07...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
SEP													
09...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007

Date	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)
MAY													
13...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	E.005	<0.006	<0.03	<0.006	E.002	<0.006
JUN													
12...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	E.005	<0.006	<0.03	<0.006	<0.013	<0.006
JUL													
07...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.009	<0.006	<0.03	<0.006	<0.013	<0.006
SEP													
09...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.009	<0.006	<0.03	<0.006	<0.013	<0.006

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)
MAY													
13...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	0.040	<0.02	<0.07	<0.02
JUN													
12...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	0.838	<0.02	<0.07	<0.02
JUL													
07...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	0.113	<0.02	<0.07	<0.02
SEP													
09...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	0.033	<0.02	<0.07	<0.02

Date	Terbuthylazine, water, fltrd, ug/L (04022)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)
MAY			
13...	<0.01	<0.009	<0.01
JUN			
12...	<0.01	<0.009	<0.01
JUL			
07...	<0.01	<0.009	<0.01
SEP			
09...	<0.01	<0.009	<0.01

METHOD SH2060

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	3-Ketocarbofuran, water, fltrd, ug/L (50295)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)
OCT													
09...	1150	3.6	10	<0.009	<0.02	<0.02	<0.03	E.03	E.009	<0.006	<2	<0.007	<0.02
NOV													
05...	1135	5.7	10	<0.009	<0.02	<0.02	<0.03	E.01	<0.008	<0.006	<2	<0.007	<0.02
12...	2120	32	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	0050	55	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	2035	33	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
17...	0835	168	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	2135	57	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
DEC													
12...	0925	78	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
17...	1515	49	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
17...*	1516	49	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JAN													
15...	1445	e28	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
MAR													
11...	1515	e35	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUN													
12...	1305	46	10	<0.009	E.02	<0.02	<0.03	E.02	<0.008	<0.006	<2	<0.007	<0.02

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	Atrazine, water, fltrd, ug/L (39632)	Bendiocarb, water, fltrd, ug/L (50299)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chloramben methyl ester, water, fltrd, ug/L (61188)
OCT													
09...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
NOV													
05...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0211	<0.03	<0.006	<0.02
12...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0554	<0.03	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0270	<0.03	<0.006	<0.02
17...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0327	<0.03	<0.006	<0.02
DEC													
12...	<0.008	<0.04	<0.009	<0.03	0.005	<0.02	<0.01	<0.03	<0.02	0.0365	<0.03	<0.006	<0.02
17...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0108	<0.03	<0.006	<0.02
17...*	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0175	<0.03	<0.006	<0.02
JAN													
15...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0205	<0.03	<0.006	<0.02
MAR													
11...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
JUN													
12...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0078	E.01	<0.006	<0.02

Date	Chlorimuron, water, fltrd, ug/L (50306)	Chloro-diamino-s-triazine, wat flt ug/L (04039)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cycloate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)
OCT													
09...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
NOV													
05...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.01	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
17...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
DEC													
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
17...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
17...*	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
JAN													
15...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
MAR													
11...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
JUN													
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Linuron water fltrd 0.7u GF ug/L (38478)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Metsul-furon, water, fltrd, ug/L (61697)	N-(4-Chloro-phenyl) -N-' methyl-urea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)
OCT													
09...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	E.01	<0.008	<0.004	E.36	<0.02	<0.01	<0.01
NOV													
05...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	E.01	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
12...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
13...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
13...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
17...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.39	<0.02	<0.01	<0.01
19...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	M	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
DEC													
12...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
17...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
17...*	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JAN													
15...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
MAR													
11...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUN													
12...	M	<0.02	0.025	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01

Date	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Propham water fltrd 0.7u GF ug/L (49236)	Propi-cona-zole, water, fltrd, ug/L (50471)	Pro-poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sulfo-met-ruron, water, fltrd, ug/L (50337)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd, ug/L (04032)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)
OCT												
09...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	E.004	<0.010	<0.02
NOV												
05...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
17...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
DEC												
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
17...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
17...*	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
JAN												
15...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
MAR												
11...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
JUN												
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02

* Replicate
e Estimated daily
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: 2001-03 (e).

REMARKS.--For many of the samples collected, analysis was performed using three analytical methods; method SH2010, method SH2003, and method SH2060. 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.

METHOD SH2010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)
OCT													
09...	1015	0.92	10	<0.006	E.005	<0.006	<0.004	<0.005	95.3	E.005	<0.050	<0.010	<0.002
26...	0615	13	50	<0.006	<0.006	<0.006	<0.004	<0.005	90.6	<0.007	<0.050	<0.010	<0.002
NOV													
05...	1100	1.1	10	<0.006	<0.006	<0.006	<0.004	<0.005	106	<0.007	<0.050	<0.010	<0.002
18...	1345	5.0	10	<0.006	E.004	<0.006	<0.004	<0.005	106	E.003	<0.050	<0.010	<0.002
DEC													
14...	1540	7.4	50	<0.006	<0.006	<0.006	<0.004	<0.005	108	<0.007	<0.050	<0.010	<0.002
17...	1255	2.9	10	<0.006	<0.006	<0.006	<0.004	<0.005	99.0	<0.007	<0.050	<0.010	<0.002
20...	1015	10	50	<0.006	<0.006	<0.006	<0.004	<0.005	95.7	<0.007	<0.050	<0.010	<0.002
20...	1100	8.0	50	<0.006	<0.006	<0.006	<0.004	<0.005	100	<0.007	<0.050	<0.010	<0.002
20...	1345	27	50	<0.006	<0.006	<0.006	<0.004	<0.005	95.5	<0.007	<0.050	<0.010	<0.002
JAN													
15...	1545	2.9	10	<0.006	<0.006	<0.006	<0.004	<0.005	93.8	<0.007	<0.050	<0.010	<0.002
MAR													
11...	1425	2.7	10	<0.006	<0.006	<0.006	<0.004	<0.005	89.3	<0.007	<0.050	<0.010	<0.002

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)
OCT													
09...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	122	<0.005	<0.02	<0.002	<0.009
26...	E.348	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.016	112	<0.005	<0.02	<0.002	<0.009
NOV													
05...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	122	<0.005	<0.02	<0.002	<0.009
18...	E.004	<0.020	E.002	<0.006	<0.018	<0.003	<0.004	0.011	111	<0.005	<0.02	<0.002	<0.009
DEC													
14...	E.020	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	149	<0.005	<0.02	<0.002	<0.009
17...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	113	<0.005	<0.02	<0.002	<0.009
20...	E.020	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	112	<0.005	<0.02	<0.002	<0.009
20...	E.029	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.010	114	<0.005	<0.02	<0.002	<0.009
20...	E.024	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.010	122	<0.005	<0.02	<0.002	<0.009
JAN													
15...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	104	<0.005	<0.02	<0.002	<0.009
MAR													
11...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	102	<0.005	<0.02	<0.002	<0.009

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2010--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)
OCT													
09...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.040	<0.013	<0.006	<0.002
26...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.014	<0.006	<0.013	<0.006	<0.002
NOV													
05...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
18...	<0.005	<0.009	<0.005	<0.005	E.003	<0.003	<0.004	<0.035	E.015	<0.006	<0.013	<0.006	<0.002
DEC													
14...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
17...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
20...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
20...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.020	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
20...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.010	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
JAN													
15...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
MAR													
11...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002

Date	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)
OCT													
09...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
26...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
NOV													
05...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
18...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	E.004	<0.02
DEC													
14...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
17...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
20...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
20...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.03
20...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
JAN													
15...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
MAR													
11...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02

Date	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
OCT					
09...	<0.034	<0.02	<0.005	<0.002	<0.009
26...	<0.034	<0.02	<0.005	<0.002	<0.009
NOV					
05...	<0.034	<0.02	<0.005	<0.002	<0.009
18...	<0.034	<0.02	<0.005	<0.002	<0.009
DEC					
14...	<0.034	<0.02	<0.005	<0.002	<0.009
17...	<0.034	<0.02	<0.005	<0.002	<0.009
20...	<0.034	<0.02	<0.005	<0.002	<0.009
20...	<0.034	<0.02	<0.005	<0.002	E.005
20...	<0.034	<0.02	<0.005	<0.002	E.004
JAN					
15...	<0.034	<0.02	<0.005	<0.002	<0.009
MAR					
11...	<0.034	<0.02	<0.005	<0.002	<0.009

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2,6'-'diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)
APR													
16...	1025	3.5	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
MAY													
13...	1435	1.9	10	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	<0.004	<0.006	<0.006	<0.004
21...	0615	1.9	10	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	<0.004	<0.006	<0.006	<0.004
26...	0645	8.8	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
26...	0930	22	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	0.020	<0.006	<0.006	<0.004
26...	1300	29	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	0.008	<0.006	<0.006	<0.004
26...	1440	9.7	50	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	<0.007	<0.006	<0.006	<0.004
26...	1510	8.1	50	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	<0.006	<0.006	E.000	<0.004
27...	1510	2.6	10	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	<0.004	<0.006	<0.006	<0.004
28...	1510	2.3	10	<0.09	<0.006	<0.1	<0.005	E.006	<0.004	<0.004	<0.006	<0.006	<0.004
JUN													
04...	0200	9.1	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
04...	0330	17	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
04...	0445	6.8	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
04...	1015	12	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.010	<0.006	<0.006	<0.004
04...*	1016	12	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.010	<0.006	<0.006	<0.004
04...	2145	9.2	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.007	<0.006	<0.006	<0.004
04...	2330	32	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
05...	0100	9.2	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.006	<0.006	<0.006	<0.004
12...	1230	3.0	10	<0.09	<0.006	<0.1	<0.005	E.002	<0.004	0.005	<0.006	<0.006	<0.004
12...	2300	16	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
12...	2350	42	50	E.02	<0.006	<0.1	<0.005	<0.006	<0.004	<0.005	<0.006	<0.006	<0.004
13...	0120	13	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
13...	0920	11	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
16...	1310	3.0	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
21...	1900	9.7	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
21...	2130	17	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
24...	1330	2.6	50	<0.09	<0.006	<0.1	<0.005	E.003	<0.004	<0.004	<0.006	<0.006	<0.004
24...	1350	2.6	50	<0.09	<0.006	<0.1	<0.005	E.003	<0.004	<0.004	<0.006	<0.006	<0.004
JUL													
08...	1325	1.6	10	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	<0.004	<0.006	<0.006	<0.004
21...	0700	7.3	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
21...	2145	19	50	E.25	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
22...	1700	13	50	E.16	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
22...	1745	20	50	E.20	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
22...	1830	7.1	50	E.11	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
AUG													
01...	1700	26	50	E.05	<0.006	<0.1	<0.005	<0.006	<0.004	E.003	<0.006	<0.006	<0.004
05...	1615	8.8	50	E.02	<0.006	<0.1	<0.005	<0.006	<0.004	0.009	<0.006	<0.006	<0.004
SEP													
03...	1315	2.7	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
10...	1140	1.2	70	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	<0.004	<0.006	<0.006	<0.004
14...	1815	15	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
15...	2145	11	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
16...	0045	5.2	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...	0225	6.3	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	E.003	<0.006	<0.006	<0.004
19...	0510	28	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...*	0526	25	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...	0610	5.8	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	1055	17	60	M	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)
APR													
16...	<0.007	<0.02	<0.050	<0.010	E.003	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.04
MAY													
13...	E.005	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
21...	E.005	<0.02	<0.050	E.004	E.005	<0.06	E.003	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
26...	<0.007	<0.02	<0.050	0.010	E.020	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
26...	<0.008	<0.02	<0.050	E.006	E.018	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
26...	<0.007	<0.02	<0.050	E.006	E.021	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
26...	E.007	<0.02	<0.050	E.006	E.021	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
26...	<0.007	<0.02	<0.050	E.006	E.020	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
27...	<0.007	<0.02	<0.050	E.005	E.004	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
28...	E.004	<0.02	<0.050	E.005	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
JUN													
04...	<0.007	<0.03	<0.050	E.006	E.123	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
04...	<0.009	<0.03	<0.050	E.005	E.063	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
04...	<0.007	<0.03	<0.050	E.005	E.038	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
04...	<0.008	<0.03	<0.050	E.005	E.035	<0.06	<0.007	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
04...*	<0.010	<0.03	<0.050	E.005	E.037	<0.06	<0.008	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
04...	E.006	<0.12	<0.050	E.005	E.041	<0.06	<0.009	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
04...	<0.015	<0.02	<0.050	E.006	E.028	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
05...	<0.008	<0.12	<0.050	E.006	E.011	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
12...	E.003	<0.02	<0.050	<0.010	E.022	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
12...	E.007	<0.02	<0.050	E.017	E.133	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
12...	<0.007	<0.02	<0.050	<0.010	E.398	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
13...	<0.007	<0.02	<0.050	E.006	E.170	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
13...	<0.007	<0.02	<0.050	E.006	E.070	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
16...	<0.007	<0.02	<0.050	<0.010	E.006	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
21...	<0.008	<0.02	<0.050	<0.010	E.033	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
21...	<0.007	<0.02	<0.050	<0.010	E.021	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
24...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
24...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
JUL													
08...	<0.025	<0.12	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
21...	<0.007	<0.02	<0.050	E.004	E.168	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
21...	<0.025	<0.02	<0.050	E.005	E3.02	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	E.01
22...	<0.007	<0.02	<0.050	0.011	E.969	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
22...	<0.007	<0.02	<0.050	E.005	E1.40	<0.06	<0.005	<0.006	<0.008	<0.009	E.003	<0.004	<0.01
22...	E.005	<0.02	<0.050	<0.010	E.604	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
AUG													
01...	<0.007	<0.03	<0.050	<0.010	E.194	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
05...	<0.007	<0.03	<0.050	<0.010	E.059	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
SEP													
03...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
10...	E.004	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
14...	<0.007	<0.02	<0.050	<0.010	E.060	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
15...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
16...	<0.007	<0.02	<0.050	<0.010	E.034	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	E.003	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	<0.007	<0.03	<0.050	<0.010	E.054	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...*	<0.007	<0.03	<0.050	<0.010	E.062	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	<0.007	<0.03	<0.050	<0.010	E.053	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.014	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
APR													
16...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
MAY													
13...	0.006	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
21...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
26...	0.043	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
26...	0.088	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
26...	0.387	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.12	<0.03	<0.009	<0.005	<0.005	<0.007
26...	0.631	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
26...	0.516	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
27...	0.048	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
28...	0.027	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	E.005
JUN													
04...	<0.035	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.031	<0.005	<0.005	E.008
04...	<0.025	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
04...	<0.035	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
04...	<0.045	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
04...*	<0.035	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
04...	<0.025	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
04...	<0.045	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
05...	0.071	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
12...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	E.005
12...	<0.007	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
12...	0.013	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
13...	0.012	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
13...	<0.006	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
16...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
21...	0.035	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
21...	0.018	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
24...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
24...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
JUL													
08...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.12	<0.03	<0.009	<0.005	<0.005	<0.007
21...	0.025	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
21...	0.253	<0.08	<0.005	<0.025	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
22...	0.012	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
22...	0.051	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
22...	0.030	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
AUG													
01...	0.017	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.009
05...	0.015	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
SEP													
03...	0.052	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
10...	0.008	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
14...	0.032	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
15...	0.027	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
16...	0.022	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	0.025	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	0.016	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...*	0.018	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	0.021	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.015	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)
APR													
16...	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
MAY													
13...	<0.002	<0.003	0.014	<1	<0.003	<0.008	E.007	<0.005	<0.006	<0.03	<0.006	E.003	<0.006
21...	<0.002	<0.003	0.020	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.003	<0.006
26...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.006	<0.006
26...	<0.002	<0.003	0.152	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
26...	<0.002	<0.003	0.061	<1	<0.003	<0.008	<0.027	<0.005	<0.006	E.01	<0.006	<0.013	<0.006
26...	<0.002	<0.003	0.038	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
26...	<0.002	<0.003	0.031	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
27...	<0.002	<0.003	0.015	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
28...	<0.002	<0.003	0.015	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
JUN													
04...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	E.012	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
04...	<0.002	<0.003	<0.025	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
04...	<0.002	<0.003	<0.025	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
04...	<0.002	<0.003	<0.025	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
04...*	<0.002	<0.003	<0.025	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
04...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	E.011	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
04...	<0.002	<0.003	<0.025	<1	<0.003	<0.008	<0.027	<0.008	<0.006	<0.03	<0.006	<0.013	<0.006
05...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
12...	<0.002	<0.003	E.010	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
12...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
12...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
13...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
13...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
16...	<0.002	<0.003	E.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
21...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	E.018	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
21...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
24...	<0.002	<0.003	0.015	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
24...	<0.002	<0.003	0.016	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
JUL													
08...	<0.002	<0.003	0.019	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
21...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	E.026	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
21...	<0.002	<0.003	<0.013	<1	<0.003	<0.400	0.320	<0.005	<0.006	<0.03	<0.006	E.008	<0.006
22...	<0.002	<0.003	<0.013	<1	<0.003	<0.075	0.098	<0.005	<0.006	<0.03	<0.006	E.005	<0.006
22...	<0.002	<0.003	<0.013	<1	<0.003	<0.085	0.132	<0.005	<0.006	<0.03	<0.006	E.004	<0.006
22...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	0.053	<0.005	<0.006	<0.03	<0.006	E.005	<0.006
AUG													
01...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	E.021	<0.005	<0.006	<0.03	<0.006	E.005	<0.006
05...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	E.012	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
SEP													
03...	<0.002	<0.003	0.016	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
10...	<0.002	<0.003	0.026	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
14...	<0.002	<0.003	E.010	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
15...	<0.002	<0.003	<0.015	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
16...	<0.002	<0.003	E.010	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
19...*	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)
APR													
16...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
MAY													
13...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
21...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
26...	<0.008	E.012	<0.10	<0.011	<0.06	<0.008	<0.03	<0.005	<0.004	0.082	<0.02	<0.07	<0.02
26...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.009	<0.02	<0.07	<0.02
26...	<0.008	E.011	<0.10	<0.011	<0.06	<0.008	<0.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
26...	<0.008	E.009	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.006	<0.02	<0.07	<0.02
26...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
27...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
28...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
JUN													
04...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
04...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
04...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
04...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
04...*	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
04...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	<0.03	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
04...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
05...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
12...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
12...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.006	<0.02	<0.07	<0.02
12...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
13...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
13...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
16...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
21...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.015	<0.02	<0.07	<0.02
21...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.006	<0.02	<0.07	<0.02
24...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
24...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
JUL													
08...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
21...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	<0.06	<0.005	<0.004	<0.025	<0.02	<0.07	<0.02
21...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.32	<0.005	<0.004	<0.006	<0.02	<0.07	<0.02
22...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.03	<0.005	<0.004	0.007	<0.02	<0.07	<0.02
22...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.10	<0.005	<0.004	0.006	<0.02	<0.07	<0.02
22...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.09	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
AUG													
01...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.05	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
05...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
SEP													
03...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
10...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.03	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
14...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.11	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
15...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.08	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
16...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.07	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	0.007	<0.02	<0.07	<0.02
19...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.03	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...*	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.04	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)
APR			
16...	<0.01	<0.009	<0.01
MAY			
13...	<0.01	<0.009	<0.01
21...	<0.01	E.004	M
26...	<0.01	E.009	<0.01
26...	<0.01	E.006	<0.01
26...	<0.01	E.007	<0.01
26...	<0.01	E.006	<0.01
26...	<0.01	E.006	<0.01
27...	<0.01	E.005	<0.01
28...	<0.01	E.004	<0.01
JUN			
04...	<0.01	E.006	E.01
04...	<0.01	E.006	M
04...	<0.01	E.006	<0.01
04...	<0.01	E.005	E.01
04...*	<0.01	E.006	E.01
04...	<0.01	E.005	E.03
04...	<0.01	E.007	M
05...	<0.01	E.008	E.01
12...	<0.01	<0.009	E.01
12...	<0.01	E.010	<0.01
12...	<0.01	E.009	<0.01
13...	<0.01	E.009	<0.01
13...	<0.01	E.005	E.01
16...	<0.01	<0.009	E.01
21...	<0.01	0.009	<0.01
21...	<0.01	E.004	<0.01
24...	<0.01	<0.009	M
24...	<0.01	<0.009	M
JUL			
08...	<0.01	<0.009	<0.01
21...	<0.01	E.004	<0.01
21...	<0.01	E.005	E.43
22...	<0.01	E.008	<0.01
22...	<0.01	E.005	<0.01
22...	<0.01	E.005	<0.01
AUG			
01...	<0.01	E.007	<0.01
05...	<0.01	E.005	<0.01
SEP			
03...	<0.01	<0.009	E.01
10...	<0.01	<0.009	<0.01
14...	<0.01	<0.009	<0.01
15...	<0.01	<0.009	<0.01
16...	<0.01	E.004	<0.01
19...	<0.01	E.005	<0.01
19...	<0.01	E.005	<0.01
19...*	<0.01	E.006	<0.01
19...	<0.01	E.004	<0.01
23...	<0.01	<0.009	<0.01

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2060

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	3-Ketocarbofuran, water, fltrd, ug/L (50295)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)
OCT													
09...	1020	0.92	10	<0.009	E.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
26...	0620	13	50	<0.009	0.10	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
NOV													
05...	1105	1.1	70	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
18...	1350	5.0	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
DEC													
14...	1545	7.4	50	<0.009	0.09	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
17...	1300	2.9	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
20...	1020	10	50	<0.009	0.08	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	E4.08
20...	1105	8.0	50	<0.009	0.11	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	E2.17
20...	1350	27	50	<0.009	0.20	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	E.23
JAN													
15...	1550	2.9	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
MAR													
11...	1430	2.7	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
APR													
16...	1030	3.5	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
MAY													
02...	1735	32	50	0.109	0.86	<0.02	E.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	1440	1.9	10	<0.009	E.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
21...	0620	1.9	10	E.090	0.32	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.07
26...	0650	8.8	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.07
26...	0935	22	50	<0.009	0.10	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.06
26...	1305	29	50	<0.009	0.09	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.07
26...	1445	9.7	50	<0.009	0.07	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
26...	1515	8.1	50	--	--	--	--	--	--	--	--	--	--
27...	1515	2.8	10	<0.009	0.03	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
28...	1515	2.3	10	<0.009	0.03	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUN													
04...	0205	9.1	50	E.028	0.11	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
04...	0335	17	50	E.043	0.19	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
04...	0450	6.8	50	E.067	0.27	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
04...	1020	12	10	E.059	0.19	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
04...*	1021	12	50	<0.028	0.18	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	E.02
04...	2150	9.2	50	<0.009	0.08	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
04...	2335	32	50	<0.009	0.15	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
05...	0105	9.2	50	<0.009	0.12	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
12...	1235	3.0	10	<0.009	0.05	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
12...	2305	16	50	0.326	E2.06	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
12...	2355	42	50	<0.009	0.39	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	0125	13	50	<0.009	0.25	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	0925	11	50	0.073	0.71	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
16...	1315	3.0	10	<0.009	0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
21...	1905	9.7	50	<0.009	0.28	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
21...	2135	17	50	<0.009	0.57	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
24...	1335	2.6	50	<0.009	0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
24...	1355	2.6	50	<0.009	E.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUL													
08...	1330	1.6	10	<0.009	<0.02	<0.02	M	<0.04	<0.008	<0.006	<2	<0.007	<0.02
21...	0705	7.3	50	<0.009	E.39	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
21...	2150	19	50	<0.009	E1.71	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
22...	1705	1.3	50	<0.009	0.42	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
22...	1750	20	50	<0.009	0.15	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
22...	1835	7.1	50	<0.009	<0.18	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
AUG													
01...	1705	26	50	<0.009	0.20	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
05...	1620	8.8	50	<0.009	0.25	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
SEP													
03...	1320	2.7	10	<0.009	<0.06	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
10...	1145	1.2	70	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
14...	1820	15	50	<0.009	<0.05	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.29
15...	2150	11	50	<0.009	0.11	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.34
16...	0050	5.2	50	<0.009	0.07	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.13
19...	0230	6.3	50	<0.009	<0.07	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	0515	28	50	<0.009	<0.06	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...*	0536	25	50	<0.009	<0.07	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	0615	5.8	50	<0.009	0.15	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	1100	17	60	<0.009	0.08	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	Atrazine, water, fltrd, ug/L (39632)	Bendiocarb, water, fltrd, ug/L (50299)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chlorambenmethyl ester, water, fltrd, ug/L (61188)
OCT													
09...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0711	<0.03	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.6031	E.21	<0.006	<0.02
NOV													
05...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0550	<0.03	<0.006	<0.02
18...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0838	<0.03	<0.006	<0.02
DEC													
14...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E3.26	<0.03	<0.006	<0.02
17...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0619	<0.03	<0.006	<0.02
20...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
20...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	E.01	<0.006	<0.02
20...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.5076	E.01	<0.006	<0.02
JAN													
15...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0475	<0.03	<0.006	<0.02
MAR													
11...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.5184	<0.03	<0.006	<0.02
APR													
16...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0410	<0.03	<0.006	<0.02
MAY													
02...	<0.008	<0.04	E.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E1.79	E.04	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.1130	<0.03	<0.006	<0.02
21...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.5201	<0.03	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	0.006	<0.02	<0.01	<0.03	<0.02	<0.0096	E.01	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	E.01	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	E.01	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.1138	<0.03	<0.006	<0.02
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0952	<0.03	<0.006	<0.02
28...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0886	<0.03	<0.006	<0.02
JUN													
04...	<0.008	<0.04	<0.009	<0.03	<0.019	<0.02	<0.01	<0.03	<0.02	E.3300	0.08	<0.006	<0.02
04...	<0.008	<0.04	<0.009	<0.03	<0.010	<0.02	<0.01	<0.03	<0.02	E.1212	0.04	<0.006	<0.02
04...	<0.008	<0.04	<0.009	<0.03	<0.007	<0.02	<0.01	<0.03	<0.02	E.0797	E.03	<0.006	<0.02
04...	<0.008	<0.04	<0.009	<0.03	<0.015	<0.02	<0.01	<0.03	<0.02	E.2857	E.03	<0.006	<0.02
04...*	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.3602	E.02	<0.006	<0.02
04...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	E.02	<0.006	<0.02
04...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	E.02	<0.006	<0.02
05...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
12...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0431	E.01	<0.006	<0.02
12...	<0.008	<0.04	<0.009	<0.03	E.028	<0.02	<0.01	<0.03	<0.02	E.1175	0.06	<0.006	<0.02
12...	<0.008	<0.04	<0.009	<0.03	E.008	<0.02	<0.01	<0.03	<0.02	E.1514	0.25	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0719	0.08	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	E.008	<0.02	<0.01	<0.03	<0.02	E.0842	0.04	<0.006	<0.02
16...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0726	<0.03	<0.006	<0.02
21...	<0.008	<0.04	E.004	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	E.02	<0.006	<0.02
21...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0773	E.01	<0.006	<0.02
24...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0987	<0.03	<0.006	<0.02
24...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0580	<0.03	<0.006	<0.02
JUL													
08...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0593	<0.03	<0.006	<0.02
21...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.5080	E.06	<0.006	<0.02
21...	<0.008	<0.04	<0.009	<0.03	E.198	<0.02	<0.01	<0.03	<0.02	E.6728	E2.26	<0.006	<0.02
22...	<0.008	<0.04	<0.009	<0.04	<0.080	<0.02	<0.01	<0.03	<0.02	E.5009	E.45	<0.006	<0.02
22...	<0.008	<0.04	<0.009	<0.03	<0.082	<0.02	<0.01	<0.03	<0.02	0.2328	0.56	<0.006	<0.02
22...	<0.008	<0.04	<0.009	<0.03	<0.053	<0.02	<0.01	<0.03	<0.02	E1.08	0.30	<0.006	<0.02
AUG													
01...	<0.008	<0.04	<0.009	<0.03	E.048	<0.02	<0.01	<0.03	<0.02	E.4350	E.06	<0.006	<0.02
05...	<0.008	<0.04	<0.009	<0.03	0.018	<0.02	<0.01	<0.03	<0.02	0.4669	E.01	<0.006	<0.02
SEP													
03...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0809	<0.03	<0.006	<0.02
10...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0107	<0.03	<0.006	<0.02
14...	<0.008	<0.04	<0.009	<0.03	0.008	<0.02	<0.01	<0.03	<0.02	<0.0096	E.01	<0.006	<0.02
15...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.3720	<0.03	<0.006	<0.02
16...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.1074	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.1345	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.1075	E.01	<0.006	<0.02
19...*	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0956	E.01	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0765	E.01	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0475	E.01	<0.006	<0.02

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyclo-ate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)
OCT													
09...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
NOV													
05...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
18...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
DEC													
14...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.02	<0.03	<0.01	<0.03
17...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
20...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
20...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
20...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
JAN													
15...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
MAR													
11...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
APR													
16...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
MAY													
02...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.03	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
21...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.07	0.11	<0.01	<0.03	E.05	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.47	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.21	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.11	<0.03	<0.01	<0.03
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.01	<0.03	<0.01	<0.03
28...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.01	<0.03	<0.01	<0.03
JUN													
04...	<0.010	E.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
04...	<0.010	M	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.03	0.07	<0.03	<0.01	<0.03
04...	<0.010	M	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.05	<0.03	<0.01	<0.03
04...	<0.010	E.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.07	<0.03	<0.01	<0.03
04...*	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.08	<0.03	<0.01	<0.03
04...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
04...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.10	<0.03	<0.01	<0.03
05...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
12...	<0.010	<0.01	<0.01	<0.01	<0.01	0.51	E1.67	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.04	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	0.10	0.36	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
16...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
21...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.11	<0.01	E.01	E.01	<0.03	<0.01	<0.03
21...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	E.01	0.03	<0.03	<0.01	<0.03
24...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.02	<0.03
24...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.02	<0.03
JUL													
08...	<0.010	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
21...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	E.16	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
21...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	E.15	<0.01	<0.03	E.04	<0.03	<0.01	<0.03
22...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.35	0.16	<0.01	<0.03	E.01	<0.03	<0.01	<0.03
22...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.26	0.04	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
22...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.23	<0.04	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
AUG													
01...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
05...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
SEP													
03...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.03	<0.01	<0.03	E.01	<0.03
10...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
14...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
15...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.02	<0.03	<0.01	<0.03
16...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.02	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01	<0.03	E.02	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.03	E.03	<0.03	<0.01	<0.03
19...*	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Linuron water fltrd 0.7u GF ug/L (38478)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Metsul-furon, water, fltrd, ug/L (61697)	N-(4-Chloro-phenyl) -N-' methyl-urea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)
OCT													
09...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	E1.48	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
NOV													
05...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
18...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
DEC													
14...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
17...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
20...	<0.02	E.01	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
20...	<0.02	E.01	<0.069	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
20...	<0.02	M	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JAN													
15...	<0.02	<0.02	0.039	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
MAR													
11...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
APR													
16...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
MAY													
02...	<0.02	E.03	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
13...	<0.02	<0.02	E.010	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
21...	E.26	<0.02	<0.060	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	<0.02	<0.02	0.031	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	E.18	<0.02	<0.020	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	E.01	<0.02	0.011	0.02	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
28...	E.02	E.01	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUN													
04...	E.03	<0.02	<0.007	<0.01	0.17	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
04...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
04...	<0.02	<0.02	<0.044	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
04...	E.18	<0.02	<0.051	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
04...*	E.35	<0.02	E.039	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
04...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
04...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
05...	<0.02	<0.02	0.069	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
12...	<0.02	<0.02	0.025	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
12...	E.04	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.03	<0.02	<0.01	<0.01
12...	E.03	<0.02	0.067	<0.01	0.03	<0.01	<0.02	<0.008	<0.004	E.03	<0.02	<0.01	<0.01
13...	E.01	<0.02	0.095	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.02	<0.02	<0.01	<0.01
13...	E.04	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.01	<0.02	<0.01	<0.01
16...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
21...	E.07	<0.02	E.024	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	E.01
21...	E.07	<0.02	0.033	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
24...	<0.02	<0.02	<0.022	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
24...	<0.02	<0.02	<0.027	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUL													
08...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
21...	E3.00	<0.02	<0.007	<0.01	E.02	<0.01	<0.02	<0.008	<0.004	E.95	<0.02	<0.01	<0.01
21...	E3.75	<0.02	E.100	<0.01	E.02	<0.01	<0.02	<0.008	<0.004	E.42	<0.02	<0.01	<0.01
22...	<0.02	<0.02	<0.078	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	--	<0.02	<0.01	<0.01
22...	<0.02	<0.02	<0.059	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	--	<0.02	<0.01	<0.01
22...	<0.02	<0.02	<0.057	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	--	<0.02	<0.01	<0.01
AUG													
01...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
05...	<0.02	<0.02	<0.024	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
SEP													
03...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
10...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
14...	<0.02	<0.02	0.162	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
15...	<0.17	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
16...	<0.06	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	<0.007	<0.01	0.06	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	<0.007	<0.01	0.06	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...*	<0.02	<0.02	<0.007	<0.01	0.09	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	<0.007	<0.01	0.12	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	<0.084	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01

01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd, ug/L (04032)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)
OCT												
09...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
NOV												
05...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
18...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
DEC												
14...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
17...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
20...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
20...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.02	<0.009	<0.006	<0.010	<0.02
20...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.03	<0.009	<0.006	<0.010	<0.02
JAN												
15...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
MAR												
11...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
APR												
16...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
MAY												
02...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.02	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
21...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	0.06	<0.009	<0.006	<0.010	<0.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	0.07	<0.009	<0.006	<0.010	<0.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.04	<0.009	<0.006	<0.010	<0.02
26...	--	--	--	--	--	--	--	--	--	--	--	--
27...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
28...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
JUN												
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	0.02	<0.009	<0.006	<0.010	<0.02
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	0.04	<0.009	<0.006	<0.010	<0.02
04...*	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.02	<0.009	<0.006	<0.010	<0.02
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.04	<0.009	<0.006	<0.010	<0.02
05...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.02	<0.009	<0.006	<0.010	<0.02
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
16...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
21...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
21...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	0.02
24...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
24...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
JUL												
08...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
21...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
21...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	E.011	<0.02	<0.009	<0.006	<0.010	<0.02
22...	<0.02	<0.02	<0.01	<0.09	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
22...	<0.02	<0.02	<0.01	<0.19	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
22...	<0.02	<0.02	<0.01	<0.19	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
AUG												
01...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
05...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
SEP												
03...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
10...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
14...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
15...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
16...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...*	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02

E Estimated
* Replicate
M Presence verified, not quantified

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)
Jan 2	0715	*158	*5.70	Sep 28	1415	149	5.64
Mar 21	0945	144	5.60				

Minimum discharge, 1.0 ft^3/s, Sept. 1, gage height, 3.72 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	17	20	47	17	34	61	19	56	11	6.0	1.7
2	2.3	16	22	134	18	40	56	19	40	9.1	13	18
3	2.2	15	e22	88	19	56	52	18	19	7.4	11	23
4	2.3	14	e22	77	23	48	49	13	28	6.6	12	18
5	2.6	12	20	73	25	44	49	11	46	5.7	19	12
6	2.3	16	22	63	e21	47	e47	11	32	4.8	19	7.2
7	2.1	16	e24	58	19	e45	44	11	26	5.1	24	5.1
8	2.1	12	e19	54	e18	40	45	14	37	21	18	4.2
9	2.1	11	e18	53	e18	44	47	14	25	12	e17	3.5
10	2.1	11	e19	54	17	e43	49	12	20	9.0	e30	2.9
11	4.1	15	20	e49	e17	e40	46	11	17	6.8	e21	2.6
12	18	17	48	e45	17	35	52	13	19	5.9	e14	2.3
13	23	26	43	e40	16	36	47	12	72	4.7	e10	2.3
14	12	19	68	e37	e15	e35	41	11	86	3.8	e8.6	3.5
15	7.8	16	64	e34	14	33	37	9.7	55	3.3	e7.0	7.3
16	9.6	16	52	e31	e13	44	34	9.2	37	3.2	e5.6	19
17	25	74	e46	e30	e15	67	31	8.6	27	3.2	e11	16
18	16	96	e42	e28	e17	87	29	7.9	30	2.8	e20	32
19	11	66	36	e25	e19	87	28	7.2	33	9.6	e10	47
20	8.2	51	47	24	e18	75	28	6.7	28	4.8	e5.0	46
21	6.4	44	60	23	e17	129	26	6.8	30	3.8	e4.0	40
22	5.4	46	46	e21	22	128	32	5.6	78	47	3.2	22
23	5.1	51	43	e19	e70	98	34	5.8	71	99	2.9	29
24	5.3	40	40	e18	76	81	31	6.3	49	59	2.2	38
25	15	33	34	17	52	70	27	5.7	37	29	1.8	23
26	29	28	34	17	e43	63	25	27	30	17	1.6	22
27	30	26	45	17	e39	64	24	34	25	13	1.6	20
28	25	24	40	e16	38	57	21	16	21	12	1.4	98
29	23	21	37	16	---	57	19	13	18	9.8	1.3	109
30	21	21	34	16	---	91	19	11	14	7.5	1.3	67
31	19	---	35	16	---	75	---	11	---	6.2	1.2	---
TOTAL	341.5	870	1,122	1,240	713	1,893	1,130	380.5	1,106	443.1	303.7	741.6
MEAN	11.0	29.0	36.2	40.0	25.5	61.1	37.7	12.3	36.9	14.3	9.80	24.7
MAX	30	96	68	134	76	129	61	34	86	99	30	109
MIN	2.1	11	18	16	13	33	19	5.6	14	2.8	1.2	1.7
CFSM	0.82	2.15	2.68	2.96	1.89	4.52	2.79	0.91	2.73	1.06	0.73	1.83
IN.	0.94	2.40	3.09	3.42	1.96	5.22	3.11	1.05	3.05	1.22	0.84	2.04

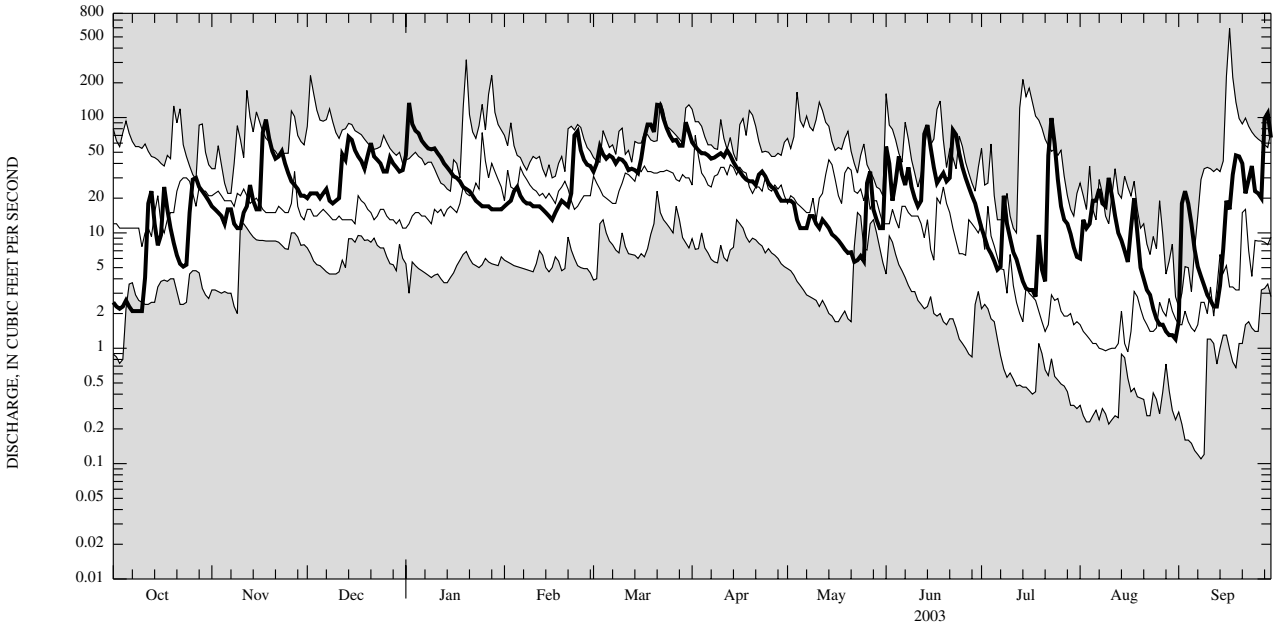
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	19.8	25.3	25.5	28.5	24.6	37.6	33.9	26.7	22.6	12.2	5.01	18.4
MAX	47.0	53.1	80.4	61.9	49.8	61.1	56.8	47.0	44.2	55.3	14.5	72.9
(WY)	(2000)	(1996)	(1997)	(1996)	(1996)	(2003)	(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)

01374930 MUSCOOT RIVER AT BALDWIN PLACE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	4,924.62		10,284.4			
ANNUAL MEAN	13.5		28.2		23.3	
HIGHEST ANNUAL MEAN					35.4	1996
LOWEST ANNUAL MEAN					10.1	2002
HIGHEST DAILY MEAN	96	Nov 18	134	Jan 2	593	Sep 17, 1999
LOWEST DAILY MEAN	0.75	Aug 28	1.2	Aug 31	0.11	Sep 8, 2001
ANNUAL SEVEN-DAY MINIMUM	0.96	Aug 10	1.4	Aug 26	0.14	Sep 3, 2001
ANNUAL RUNOFF (CFSM)	1.00		2.09		1.73	
ANNUAL RUNOFF (INCHES)	13.57		28.34		23.48	
10 PERCENT EXCEEDS	33		58		52	
50 PERCENT EXCEEDS	8.1		21		15	
90 PERCENT EXCEEDS	1.5		4.5		1.9	

e Estimated



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, 10.60 ft, Mar. 22, 2003; minimum discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 202 ft^3/s, Mar. 22, gage height, 10.60 ft; minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

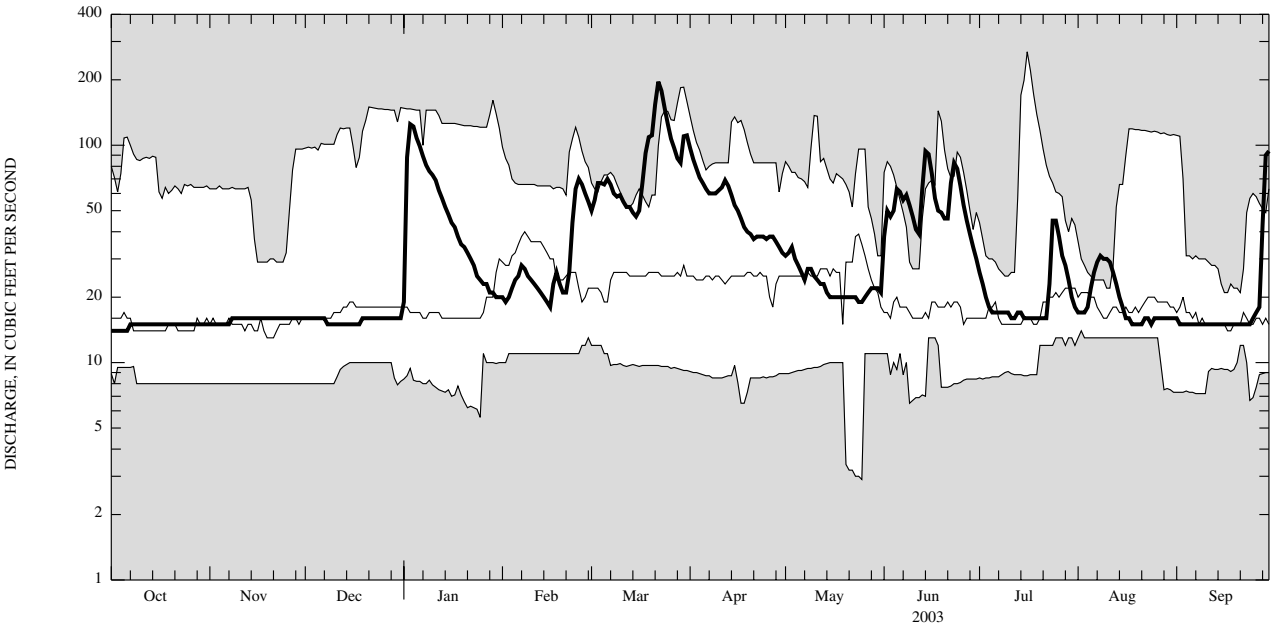
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	16	19	20	50	97	31	38	26	17	16
2	14	15	16	88	19	56	86	32	50	23	17	15
3	14	15	16	125	20	67	78	34	47	20	17	15
4	14	15	16	122	22	67	71	30	50	18	18	15
5	14	15	16	108	24	66	67	28	63	17	22	15
6	14	15	16	99	25	70	63	26	61	17	26	15
7	15	15	16	89	28	66	60	24	56	17	29	15
8	15	16	15	81	27	60	60	27	59	17	31	15
9	15	16	15	76	25	58	60	27	53	17	30	15
10	15	16	15	73	24	59	62	25	47	17	30	15
11	15	16	15	69	23	55	64	24	41	16	29	15
12	15	16	15	62	22	52	69	23	39	16	26	15
13	15	16	15	57	21	52	65	23	63	17	23	15
14	15	16	15	52	20	49	59	21	94	17	20	15
15	15	16	15	48	19	47	53	20	91	16	18	15
16	15	16	15	44	18	50	50	20	74	16	16	15
17	15	16	15	42	23	67	46	20	57	16	16	15
18	15	16	15	38	26	92	42	20	50	16	15	15
19	15	16	16	35	23	109	40	20	49	16	15	15
20	15	16	16	34	21	111	39	20	46	16	15	15
21	15	16	16	32	21	154	37	20	46	16	15	15
22	15	16	16	30	26	196	38	20	67	16	16	15
23	15	16	16	28	44	178	38	20	83	23	16	15
24	15	16	16	25	63	148	38	19	78	45	15	15
25	15	16	16	24	70	125	37	19	65	45	16	16
26	15	16	16	23	66	107	38	20	53	38	16	17
27	15	16	16	23	60	97	38	21	45	31	16	18
28	15	16	16	21	55	87	36	22	39	28	16	43
29	15	16	16	21	---	83	34	22	34	24	16	90
30	15	16	16	20	---	110	32	22	30	20	16	94
31	15	---	16	20	---	111	---	21	---	18	16	---
TOTAL	459	473	485	1,628	855	2,699	1,597	721	1,668	655	604	639
MEAN	14.8	15.8	15.6	52.5	30.5	87.1	53.2	23.3	55.6	21.1	19.5	21.3
MAX	15	16	16	125	70	196	97	34	94	45	31	94
MIN	14	15	15	19	18	47	32	19	30	16	15	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	23.7	20.5	35.2	41.9	34.0	36.1	38.3	28.6	27.3	23.3	23.4	18.8
MAX	67.3	54.1	112	129	65.9	87.1	83.6	58.6	55.6	70.8	73.4	28.9
(WY)	(2000)	(1997)	(1997)	(2000)	(1996)	(2003)	(1994)	(1996)	(2003)	(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	4,519.8		12,483			
ANNUAL MEAN	12.4		34.2		28.8	
HIGHEST ANNUAL MEAN					44.2	1996
LOWEST ANNUAL MEAN					11.8	2002
HIGHEST DAILY MEAN	19	Feb 27	196	Mar 22	269	Jul 16, 1996
LOWEST DAILY MEAN	6.5	Apr 17	14	Oct 1	2.9	May 25, 1995
ANNUAL SEVEN-DAY MINIMUM	7.3	Sep 4	14	Oct 1	4.2	May 19, 1995
10 PERCENT EXCEEDS	16		69		65	
50 PERCENT EXCEEDS	12		20		18	
90 PERCENT EXCEEDS	8.8		15		10	

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 1.00 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)
Jan 2	0100	*119	*3.48	Jun 4	2300	86	3.05
Mar 21	0100	86	3.06	Sep 28	0545	102	3.29

Minimum discharge, 0.21 ft^3/s, Oct. 3, 4, gage height, 1.06 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.31	0.89	2.7	26	e1.9	4.5	9.5	3.0	29	1.7	0.80	0.68
2	0.27	0.93	2.2	60	e2.2	16	8.9	4.7	9.8	1.5	1.00	4.3
3	0.23	0.93	1.8	21	e2.7	e13	8.0	4.8	5.6	1.4	1.6	2.3
4	0.38	0.97	1.4	16	5.7	e11	7.4	3.2	21	1.3	5.1	1.5
5	0.45	1.0	1.5	12	4.7	e9.2	7.6	2.8	27	1.1	3.9	0.99
6	0.31	4.1	1.8	11	2.9	e9.0	6.6	2.8	12	0.94	6.4	0.73
7	0.34	2.1	1.8	9.6	2.6	e8.0	6.4	3.3	15	1.1	5.1	0.61
8	0.44	1.3	1.8	8.8	2.4	7.2	7.3	10	15	1.1	8.5	0.54
9	0.44	1.1	1.6	10	e2.3	10	11	4.5	9.8	0.97	3.6	0.52
10	0.39	1.1	1.5	9.7	e2.1	9.7	9.3	3.4	8.5	1.00	8.5	0.48
11	2.6	1.4	4.6	7.3	e2.0	8.2	10	3.2	6.7	1.1	5.1	0.47
12	4.8	3.4	20	5.9	e1.9	6.8	13	3.9	7.6	1.1	2.8	0.47
13	2.4	6.7	11	5.3	e1.9	7.6	8.3	3.0	33	0.84	2.0	0.60
14	1.2	3.5	24	4.5	e1.8	6.3	6.7	2.6	16	0.75	1.6	2.6
15	0.85	2.2	12	4.1	e1.8	8.2	6.2	2.3	9.3	0.66	1.3	2.4
16	3.7	2.8	8.9	3.7	e1.8	19	5.7	2.1	7.1	0.80	1.1	4.1
17	2.7	36	6.3	e3.3	e1.8	30	5.0	1.9	6.1	0.71	1.8	1.2
18	1.1	25	4.9	e2.9	e1.8	30	4.8	1.7	9.4	0.64	1.3	0.93
19	0.68	8.4	4.8	e2.7	e1.8	21	4.6	1.5	6.9	0.71	0.96	5.6
20	0.59	5.0	16	e2.4	e2.0	20	4.4	1.4	5.8	0.52	0.84	1.9
21	0.57	3.9	12	e2.1	2.5	52	4.1	1.7	11	1.2	0.74	1.1
22	0.80	8.3	7.2	e1.9	11	37	4.8	1.8	17	11	0.69	0.90
23	0.82	8.0	6.0	e1.7	32	21	4.3	1.9	8.8	18	0.64	15
24	0.78	4.6	5.2	e1.6	18	16	3.8	2.3	5.5	9.3	0.57	5.9
25	0.83	3.6	5.9	e1.6	9.9	13	3.4	1.8	4.2	2.5	0.55	2.0
26	4.7	3.1	6.9	e1.6	6.8	12	4.7	21	3.5	1.4	0.53	1.6
27	2.3	4.0	6.2	e1.6	5.5	12	4.2	9.2	2.9	1.1	0.49	1.7
28	1.4	3.3	5.7	e1.6	4.9	9.4	3.3	4.4	2.4	1.1	0.44	28
29	1.1	2.8	5.3	e1.6	---	15	3.2	3.6	2.1	0.84	0.44	9.9
30	0.97	2.9	4.8	e1.6	---	19	3.0	2.7	2.1	0.70	0.46	4.7
31	0.85	---	6.9	e1.6	---	12	---	4.2	---	0.63	0.41	---
TOTAL	39.30	153.32	202.7	244.7	138.7	473.1	189.5	120.7	320.1	67.71	69.26	103.72
MEAN	1.27	5.11	6.54	7.89	4.95	15.3	6.32	3.89	10.7	2.18	2.23	3.46
MAX	4.8	36	24	60	32	52	13	21	33	18	8.5	28
MIN	0.23	0.89	1.4	1.6	1.8	4.5	3.0	1.4	2.1	0.52	0.41	0.47
CFSM	0.42	1.70	2.17	2.62	1.65	5.07	2.10	1.29	3.54	0.73	0.74	1.15
IN.	0.49	1.89	2.51	3.02	1.71	5.85	2.34	1.49	3.96	0.84	0.86	1.28

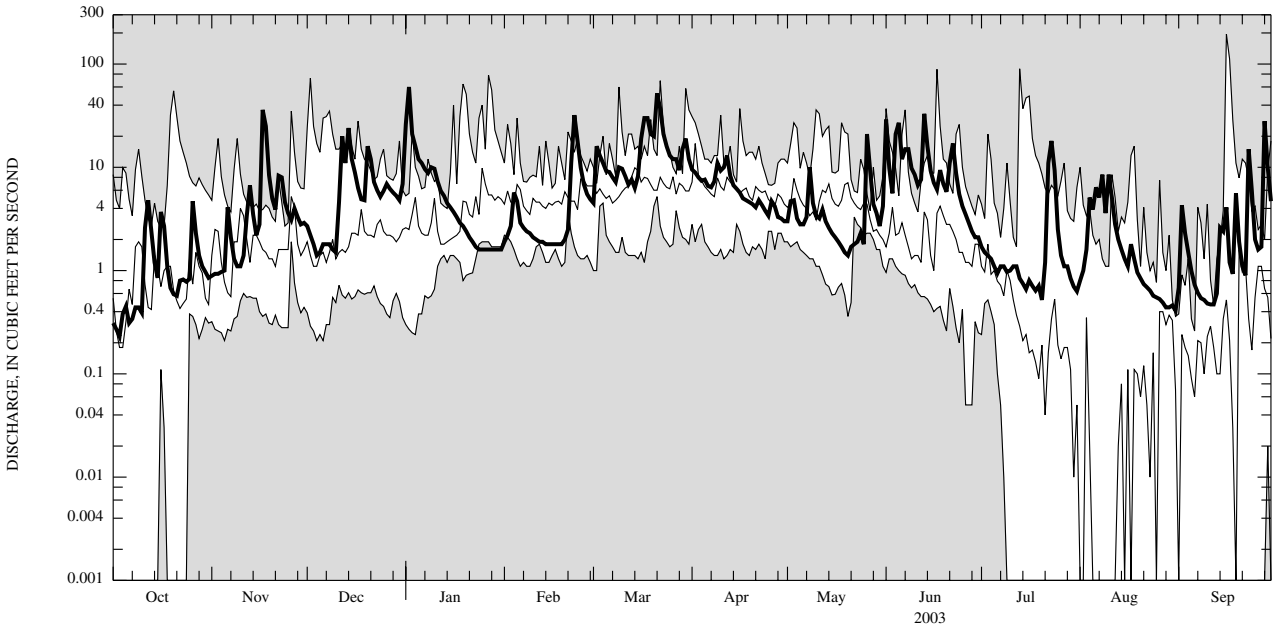
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	2.34	3.19	5.12	6.45	5.72	9.16	7.01	5.50	5.05	2.46	0.96	2.85
MAX	8.61	6.21	17.0	14.6	8.72	15.3	10.8	9.28	10.7	13.0	2.23	14.1
(WY)	(1997)	(1997)	(1997)	(1996)	(1996)	(2003)	(1996)	(1998)	(2003)	(1996)	(2003)	(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)

01374976 ANGLE FLY BROOK AT WHITEHALL CORNERS, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	1,049.35		2,122.81			
ANNUAL MEAN	2.87		5.82		4.36	
HIGHEST ANNUAL MEAN					6.09	1997
LOWEST ANNUAL MEAN					1.97	2002
HIGHEST DAILY MEAN	36	Jun 7	60	Jan 2	195	Sep 16, 1999
LOWEST DAILY MEAN	0.00	Jul 22	0.23	Oct 3	0.00	Jul 20, 1997
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 5	0.33	Oct 1	0.00	Sep 16, 1997
ANNUAL RUNOFF (CFSM)	0.96		1.93		1.45	
ANNUAL RUNOFF (INCHES)	12.97		26.24		19.67	
10 PERCENT EXCEEDS	6.2		13		9.7	
50 PERCENT EXCEEDS	1.5		3.2		2.3	
90 PERCENT EXCEEDS	0.00		0.71		0.05	

e Estimated



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.

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY
(National water-quality assessment program station)

LOCATION.--Lat 41°14'34", long 73°44'25", Westchester County, Hydrologic Unit 02030101, at foot of Radio Circle Drive, about 0.1 mi upstream from mouth, in Mount Kisco.

DRAINAGE AREA.--2.49 mi^2.

PERIOD OF RECORD.--July 2000 to current year.
PESTICIDE DATA: 2000-01 (a), 2002 (b), 2003 (e).

REMARKS.--For many of the samples collected, analysis was performed using three analytical methods; method SH2010, method SH2003, and method SH2060. 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.

METHOD SH2010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)
MAR 11...	1235	6.1	10	<0.006	<0.006	<0.006	<0.004	<0.005	95.0	<0.007	<0.050	<0.010	<0.002

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)
MAR 11...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	101	<0.005	<0.02	<0.002	<0.009

Date	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)
MAR 11...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002

Date	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)
MAR 11...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02

Date	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
MAR 11...	<0.034	<0.02	<0.005	<0.002	<0.009

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2,6'-'diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)
APR													
16...	0745	7.0	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
MAY													
13...	1200	3.5	10	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	<0.004	<0.006	<0.006	<0.004
21...	0845	1.5	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
26...	1300	41	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
27...	1100	9.1	10	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	<0.004	<0.006	<0.006	<0.004
28...	1300	5.3	10	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	<0.004	<0.006	<0.006	<0.004
JUN													
04...	0630	23	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
05...	1110	18	10	E.01	<0.006	<0.1	<0.005	E.005	<0.004	<0.004	<0.006	<0.006	<0.004
05...*	1121	18	70	E.01	<0.006	<0.1	<0.005	E.004	<0.004	<0.004	<0.006	<0.006	<0.004
12...	1100	8.1	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
13...	1315	27	10	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
16...	1115	7.0	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	1250	7.4	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	E.005	<0.006	<0.004
JUL													
08...	1125	1.4	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
AUG													
04...	1310	8.3	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	E.004	<0.006	<0.004
06...	1310	4.7	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
JUL													
23...	1100	5.5	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
SEP													
03...	1050	5.2	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
10...	1245	1.2	10	<0.09	<0.006	<0.1	<0.005	E.003	<0.004	<0.004	<0.006	<0.006	<0.004
19...	0340	E11	70	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...	0610	E42	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...	1345	E16	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	0240	E2.0	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	0600	E14	70	<0.09	<0.006	<0.1	<0.005	M	<0.004	<0.004	<0.006	<0.006	<0.004
23...	1210	E51	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
24...	1145	E8.5	10	M	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)
APR													
16...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.04
MAY													
13...	E.004	<0.02	<0.050	<0.010	E.002	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
21...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	0.003	<0.004	<0.01
26...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	0.061	<0.004	<0.01
27...	E.004	<0.02	<0.050	E.005	E.010	<0.06	<0.005	<0.006	<0.008	<0.009	0.007	<0.004	<0.01
28...	<0.007	<0.02	<0.050	<0.010	E.007	<0.06	<0.005	<0.006	<0.008	<0.009	0.004	<0.004	<0.01
JUN													
04...	E.007	<0.03	<0.050	<0.010	E.012	<0.06	<0.005	<0.006	<0.008	<0.009	0.036	<0.004	<0.01
05...	E.005	<0.02	<0.050	E.005	E.006	<0.06	<0.005	<0.006	<0.008	<0.009	0.009	<0.004	<0.01
05...*	E.005	<0.02	<0.050	E.005	E.006	<0.06	<0.005	<0.006	<0.008	<0.009	0.009	<0.004	<0.01
12...	E.002	<0.02	<0.050	<0.010	E.028	<0.06	<0.005	<0.006	<0.008	<0.009	E.003	<0.004	<0.01
13...	E.003	<0.02	<0.050	E.003	E.169	<0.06	<0.005	<0.006	<0.008	<0.009	0.020	<0.004	<0.01
16...	<0.007	<0.02	<0.050	<0.010	E.005	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
JUL													
08...	<0.025	<0.12	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
AUG													
04...	<0.007	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	0.003	<0.004	<0.01
06...	<0.007	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
JUL													
23...	E.004	<0.02	<0.050	<0.010	E.010	<0.06	<0.005	<0.006	<0.008	<0.009	E.003	<0.004	<0.01
SEP													
03...	E.003	<0.02	<0.050	<0.010	E.005	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
10...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	<0.007	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	<0.007	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	<0.007	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.005	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.005	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.009	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
24...	<0.007	<0.02	<0.050	<0.010	E.013	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
APR													
16...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
MAY													
13...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
21...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.12	<0.03	<0.009	<0.005	<0.005	<0.007
26...	<0.009	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.12	<0.03	<0.009	<0.005	<0.005	<0.007
27...	0.024	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
28...	0.011	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
JUN													
04...	0.018	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
05...	0.015	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
05...*	0.016	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
12...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
13...	<0.006	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
16...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	0.021	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
JUL													
08...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.12	<0.03	<0.009	<0.005	<0.005	<0.007
AUG													
04...	0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
06...	0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
JUL													
23...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
SEP													
03...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
10...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
24...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)
APR													
16...	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	0.005	<0.006	<0.03	<0.006	<0.013	<0.006
MAY													
13...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.006	<0.006	<0.03	<0.006	E.003	<0.006
21...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	E.006	<0.006	<0.03	<0.006	E.003	<0.006
26...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.008	<0.006	<0.03	<0.006	<0.013	<0.006
27...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
28...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.002	<0.006
JUN													
04...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.007	<0.006	<0.03	<0.006	<0.013	<0.006
05...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
05...*	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
12...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	E.005	<0.006	<0.03	<0.006	<0.013	<0.006
13...	<0.002	<0.003	<0.013	M	<0.003	<0.008	<0.027	<0.007	<0.006	<0.03	<0.006	<0.013	<0.006
16...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	E.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	E.005	<0.006	<0.03	<0.006	<0.013	<0.006
JUL													
08...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.016	<0.006	<0.03	<0.006	<0.013	<0.006
AUG													
04...	<0.002	<0.003	<0.013	M	<0.003	<0.008	<0.027	2.30	<0.006	<0.03	<0.006	<0.013	<0.006
06...	<0.002	<0.003	<0.013	M	<0.003	<0.008	<0.027	1.07	<0.006	<0.03	<0.006	<0.013	<0.006
JUL													
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.048	<0.006	<0.03	<0.006	E.004	<0.006
SEP													
03...	<0.002	<0.003	<0.013	M	<0.003	<0.008	<0.027	0.166	<0.006	<0.03	<0.006	<0.013	<0.006
10...	<0.002	<0.003	<0.013	M	<0.003	<0.008	<0.027	0.039	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.041	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	M	<0.003	<0.008	<0.027	0.087	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	M	<0.003	<0.008	<0.027	0.056	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.021	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.024	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	M	<0.003	<0.008	<0.027	0.054	<0.006	<0.03	<0.006	<0.013	<0.006
24...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.015	<0.006	<0.03	<0.006	<0.013	<0.006

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)
APR													
16...	E.006	<0.022	<0.10	<0.011	<0.06	<0.008	M	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
MAY													
13...	E.006	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
21...	0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
26...	0.025	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
27...	0.009	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
28...	E.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
JUN													
04...	0.019	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
05...	0.017	E.009	<0.10	<0.011	<0.06	<0.008	0.05	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
05...*	0.018	E.009	<0.10	<0.011	<0.06	<0.008	0.06	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
12...	0.044	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
13...	0.033	E.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
16...	0.046	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	0.026	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
JUL													
08...	0.025	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
AUG													
04...	0.045	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
06...	0.024	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
JUL													
23...	0.033	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
SEP													
03...	0.018	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
10...	0.015	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	0.023	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	0.030	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	0.024	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	E.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	0.008	<0.022	<0.10	<0.011	<0.06	<0.008	M	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	0.016	<0.022	<0.10	<0.011	<0.06	<0.008	M	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
24...	0.011	<0.022	<0.10	<0.011	<0.06	<0.008	M	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)
APR			
16...	<0.01	<0.009	M
MAY			
13...	<0.01	<0.009	<0.01
21...	<0.01	<0.009	<0.01
26...	<0.01	E.006	E.01
27...	<0.01	E.006	<0.01
28...	<0.01	E.004	<0.01
JUN			
04...	<0.01	E.005	E.01
05...	<0.01	0.010	E.03
05...*	<0.01	0.011	E.03
12...	<0.01	E.004	M
13...	<0.01	E.019	E.01
16...	<0.01	<0.009	E.01
23...	<0.01	<0.009	M
JUL			
08...	<0.01	<0.009	<0.01
AUG			
04...	<0.01	E.006	<0.01
06...	<0.01	E.004	<0.01
JUL			
23...	<0.01	<0.009	<0.01
SEP			
03...	<0.01	<0.009	M
10...	<0.01	<0.009	<0.01
19...	<0.01	<0.009	<0.01
19...	<0.01	E.006	<0.01
19...	<0.01	E.005	<0.01
23...	<0.01	<0.009	<0.01
23...	<0.01	<0.009	<0.01
23...	<0.01	E.004	E.05
24...	<0.01	E.001	E.01

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2060

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	3-Ketocarbofuran, water, fltrd, ug/L (50295)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)
MAR													
11...	1240	6.1	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
APR													
16...	0750	7.0	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
MAY													
13...	1205	3.5	10	<0.009	0.04	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
21...	0850	1.5	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
26...	1305	41	10	<0.009	0.04	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
27...	1105	9.1	10	<0.009	0.07	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
28...	1305	5.3	10	<0.009	0.04	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUN													
04...	0635	23	10	<0.009	0.03	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
05...	1115	18	10	<0.009	0.09	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
05...*	1131	18	70	<0.009	0.09	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
12...	1105	8.1	10	<0.009	0.10	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	1320	27	10	<0.009	0.15	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
16...	1120	7.0	10	<0.009	0.06	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	1255	7.4	10	<0.009	0.45	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUL													
08...	1130	1.4	10	<0.009	E.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
AUG													
04...	1315	8.3	10	<0.020	0.19	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
06...	1315	4.7	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUL													
23...	1105	5.5	10	<0.009	0.03	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
SEP													
03...	1055	5.2	10	<0.009	0.06	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
10...	1250	1.2	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	0345	E11	70	<0.009	<0.03	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	0615	E42	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	1350	E16	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	0245	E2.0	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	0605	E14	70	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	1215	E51	50	<0.009	0.07	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
24...	1150	E8.5	10	<0.009	0.09	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	Atrazine, water, fltrd, ug/L (39632)	Bendiocarb, water, fltrd, ug/L (50299)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chloramben methyl ester, water, fltrd, ug/L (61188)
MAR													
11...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0204	<0.03	<0.006	<0.02
APR													
16...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
MAY													
13...	<0.008	<0.04	<0.009	<0.03	E.072	<0.02	<0.01	<0.03	<0.02	E.0232	<0.03	<0.006	<0.02
21...	<0.008	<0.04	<0.009	<0.03	0.052	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	E1.36	<0.02	<0.01	<0.03	<0.02	E.0198	<0.03	<0.006	<0.02
27...	<0.008	<0.04	<0.009	<0.03	0.146	<0.02	<0.01	<0.03	<0.02	<0.0232	M	<0.006	<0.02
28...	<0.008	<0.04	<0.009	<0.03	0.100	<0.02	<0.01	<0.03	<0.02	0.0208	M	<0.006	<0.02
JUN													
04...	<0.008	<0.04	<0.009	<0.03	E.691	<0.02	<0.01	<0.03	<0.02	E.0376	E.01	<0.006	<0.02
05...	<0.008	<0.04	<0.009	<0.03	E.206	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
05...*	<0.008	<0.04	<0.009	<0.03	E.190	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
12...	<0.008	<0.04	<0.009	<0.03	E.062	<0.02	<0.01	<0.03	<0.02	E.0139	E.02	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	E.115	<0.02	<0.01	<0.03	<0.02	E.0236	0.11	<0.006	<0.02
16...	<0.008	<0.04	<0.009	<0.03	E.034	<0.02	<0.01	<0.03	<0.02	E.0154	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	0.013	<0.02	<0.01	<0.03	<0.02	0.0131	<0.03	<0.006	<0.02
JUL													
08...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0471	<0.03	<0.006	<0.02
AUG													
04...	<0.008	<0.04	<0.009	<0.03	E5.04	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
06...	<0.008	<0.04	<0.009	<0.03	0.733	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
JUL													
23...	<0.008	<0.04	<0.009	<0.03	0.022	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
SEP													
03...	<0.008	<0.04	<0.009	<0.03	0.080	<0.02	<0.01	<0.03	<0.02	0.0134	<0.03	<0.006	<0.02
10...	<0.008	<0.04	<0.009	<0.03	0.066	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	E.054	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	E.043	<0.02	<0.01	<0.03	<0.02	E.0168	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	E.020	<0.02	<0.01	<0.03	<0.02	0.0174	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	E.034	<0.02	<0.01	<0.03	<0.02	0.0503	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	E.034	<0.02	<0.01	<0.03	<0.02	<0.0096	M	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	E.020	<0.02	<0.01	<0.03	<0.02	0.0185	<0.03	<0.006	<0.02
24...	<0.008	<0.04	<0.009	<0.03	0.026	<0.02	<0.01	<0.03	<0.02	<0.0096	E.01	<0.006	<0.02

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyclo-ate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)
MAR													
11...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
APR													
16...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
MAY													
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
21...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.01	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
27...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
28...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
JUN													
04...	<0.010	<0.01	<0.01	<0.01	0.09	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
05...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.01	<0.03	<0.01	<0.03
05...*	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.01	<0.03	<0.01	<0.03
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.02	<0.03	<0.01	<0.03
16...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	E.01	<0.01	<0.03	<0.01	<0.03
JUL													
08...	<0.010	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
AUG													
04...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
06...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
JUL													
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
SEP													
03...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
10...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.03	<0.01	<0.01	<0.03	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.04	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.05	<0.03	<0.01	<0.03
24...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Linuron water fltrd 0.7u GF ug/L (38478)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Metsul-furon, water, fltrd, ug/L (61697)	N-(4-Chloro-phenyl) -N-' methyl-urea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)
MAR													
11...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
APR													
16...	<0.02	<0.02	0.042	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
MAY													
13...	<0.02	<0.02	E.016	<0.01	E.01	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
21...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	<0.02	<0.02	0.067	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
27...	<0.02	<0.02	0.024	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
28...	<0.02	<0.02	0.025	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUN													
04...	<0.02	<0.02	E7.94	<0.01	<0.02	<0.01	M	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
05...	<0.02	<0.02	E1.47	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
05...*	<0.02	<0.02	E1.49	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
12...	<0.02	<0.02	0.268	<0.01	0.02	<0.01	M	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
13...	E.01	<0.02	E1.05	<0.01	<0.02	<0.01	M	<0.008	<0.004	E.01	<0.02	<0.01	<0.01
16...	<0.02	<0.02	E.103	<0.01	<0.02	<0.01	M	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	0.080	<0.01	0.21	<0.01	M	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUL													
08...	<0.02	<0.02	0.055	<0.01	<0.02	<0.01	E.01	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
AUG													
04...	<0.02	<0.02	0.690	<0.01	<0.02	<0.01	E3.43	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
06...	<0.02	<0.02	0.328	<0.01	<0.02	<0.01	E1.27	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUL													
23...	M	<0.02	0.213	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
SEP													
03...	<0.02	<0.02	0.146	<0.01	<0.02	<0.01	0.24	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
10...	<0.02	<0.02	0.063	<0.01	<0.02	<0.01	0.04	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	0.074	<0.01	0.16	<0.01	0.05	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	E.115	<0.01	0.11	<0.01	E.11	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	0.138	<0.01	0.34	<0.01	0.06	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	<0.083	<0.01	0.08	<0.01	0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	<0.081	<0.01	0.09	<0.01	0.03	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	0.193	<0.01	0.06	<0.01	0.07	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
24...	<0.02	<0.02	0.131	<0.01	<0.03	<0.01	E.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01

0137498340 KISCO RIVER TRIBUTARY EAST OF CHAPPAQUA BROOK, NEAR MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd, ug/L (04032)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)
MAR												
11...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
APR												
16...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
MAY												
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	M	<0.009	<0.006	<0.010	<0.02
21...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
27...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.04	<0.009	<0.006	<0.010	<0.02
28...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	0.03	<0.009	<0.006	<0.010	<0.02
JUN												
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
05...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.03	<0.009	<0.006	<0.010	<0.02
05...*	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.02	<0.009	<0.006	<0.010	<0.02
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
16...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	E.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
JUL												
08...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
AUG												
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
06...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
JUL												
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
SEP												
03...	<0.02	<0.02	<0.01	<0.02	<0.010	0.04	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
10...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	E.01	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	E.01	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	E.01	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
24...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02

E Estimated
* Replicate
M Presence verified, not quantified

0137498420 BRANCH BROOK AT MOUNT KISCO, NY
(National water-quality assessment program station)

LOCATION.--Lat 41°12'14", long 73°43'52", Westchester County, Hydrologic Unit 02030101, at bridge on Lieto Drive, about 0.5 mi upstream from mouth, in Mount Kisco.

DRAINAGE AREA.--2.64 mi^2.

PERIOD OF RECORD.--July 2001 to current year.
PESTICIDE DATA: 2001 (a), 2002 (b), 2003 (e).

REMARKS.--For many of the samples collected, analysis was performed using two analytical methods; method SH2003 and method SH2060. 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, 60 indicates a weighted-bottle sample, 70 indicates a grab sample.

METHOD SH2003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2,6'-'diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)
APR													
16...	0635	4.5	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
MAY													
13...	1400	2.5	10	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	<0.004	<0.006	<0.006	<0.004
JUN													
04...	0800	19	10	<0.09	<0.006	<0.1	<0.005	E.007	<0.004	0.025	<0.006	<0.006	<0.004
05...	0915	16	10	E.01	<0.006	<0.1	<0.005	E.007	<0.004	0.023	<0.006	<0.006	<0.004
13...	1225	43	10	<0.09	<0.006	<0.1	<0.005	E.003	<0.004	0.014	<0.006	<0.006	<0.004
16...	0930	4.3	10	<0.09	<0.006	<0.1	<0.005	E.003	<0.004	<0.004	<0.006	<0.006	<0.004
23...	1205	5.1	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
JUL													
08...	1015	1.1	10	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	<0.004	<0.006	<0.006	<0.004
23...	1000	6.7	10	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
AUG													
04...	1440	17	10	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	0.005	<0.006	<0.006	<0.004
SEP													
03...	0940	4.7	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
10...	1415	0.53	70	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...	0150	E9.0	70	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...	0355	E12	70	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...	0410	E28	70	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	E.003	<0.006	<0.004
19...	0800	E23	70	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	0.005	<0.006	<0.006	<0.004
19...	1315	E11	70	E.02	<0.006	<0.1	<0.005	E.004	<0.004	E.003	<0.006	<0.006	<0.004
23...	0300	E10	60	M	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	0530	E18	70	M	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	0915	E29	60	M	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	1140	E32	60	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
24...	1255	E5.5	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004

0137498420 BRANCH BROOK AT MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)
APR													
16...	E.003	<0.02	<0.050	<0.010	E.037	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.04
MAY													
13...	0.009	<0.02	<0.050	<0.010	E.010	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
JUN													
04...	0.010	<0.03	<0.050	E.006	E.008	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
05...	0.008	<0.12	<0.050	E.006	E.066	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
13...	E.005	<0.02	<0.050	E.007	E.024	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
16...	<0.007	<0.02	<0.050	<0.010	E.008	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.009	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
JUL													
08...	E.006	<0.12	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	E.006	<0.02	<0.050	<0.010	E.099	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
AUG													
04...	0.008	<0.03	<0.050	E.006	E.030	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
SEP													
03...	E.005	<0.02	<0.050	<0.010	E.008	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
10...	E.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	<0.007	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	E.004	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	<0.007	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	E.004	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	E.005	<0.03	<0.050	<0.010	E.098	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.04	<0.050	<0.010	E.005	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.003	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.009	<0.02	<0.050	<0.010	E.006	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
24...	E.005	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01

Date	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
APR													
16...	0.022	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
MAY													
13...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
JUN													
04...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
05...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007
13...	0.008	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
16...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
JUL													
08...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.12	<0.03	<0.009	<0.005	<0.005	<0.007
23...	0.008	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
AUG													
04...	0.009	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
SEP													
03...	<0.007	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
10...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	0.011	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	0.011	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	0.007	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	<0.005	<0.08	<0.005	E.058	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.005	<0.08	<0.005	E.011	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
24...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007

0137498420 BRANCH BROOK AT MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)
APR													
16...	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
MAY													
13...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.005	<0.006
JUN													
04...	<0.002	<0.003	0.306	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
05...	<0.002	<0.003	0.219	<1	<0.003	<0.008	E.019	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
13...	<0.002	<0.003	0.038	<1	<0.003	<0.008	E.008	<0.008	<0.006	<0.03	<0.006	<0.013	<0.006
16...	<0.002	<0.003	0.035	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	0.025	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
JUL													
08...	<0.002	<0.003	0.030	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	0.035	<1	<0.003	<0.008	E.019	<0.005	<0.006	<0.03	<0.006	E.005	<0.006
AUG													
04...	<0.002	<0.003	0.047	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.005	<0.006
SEP													
03...	<0.002	<0.003	0.029	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
10...	<0.002	<0.003	0.027	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	0.019	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	0.027	<1	<0.003	<0.008	0.030	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	0.014	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
24...	<0.002	<0.003	0.022	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006

Date	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)
APR													
16...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	E.004	0.02	<0.07	<0.02
MAY													
13...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
JUN													
04...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.008	<0.02	<0.07	<0.02
05...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.009	<0.02	<0.07	<0.02
13...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
16...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.006	<0.03	<0.07	<0.02
23...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.006	<0.03	<0.07	<0.02
JUL													
08...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	E.05	<0.07	<0.02
23...	0.011	<0.022	<0.10	<0.011	<0.06	<0.008	0.03	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
AUG													
04...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.05	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
SEP													
03...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	E.02	<0.07	<0.02
10...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	E.005	0.04	<0.07	<0.02
19...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	<0.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.06	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
24...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	E.01	<0.07	<0.02

0137498420 BRANCH BROOK AT MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)
APR			
16...	<0.01	<0.009	<0.01
MAY			
13...	<0.01	<0.009	<0.01
JUN			
04...	<0.01	E.005	<0.01
05...	<0.01	E.005	<0.01
13...	<0.01	E.011	M
16...	<0.01	<0.009	M
23...	<0.01	<0.009	<0.01
JUL			
08...	<0.01	<0.009	<0.01
23...	<0.01	E.004	<0.01
AUG			
04...	<0.01	E.005	<0.01
SEP			
03...	<0.01	<0.009	<0.01
10...	<0.01	<0.009	<0.01
19...	<0.01	<0.009	<0.01
19...	<0.01	<0.009	<0.01
19...	<0.01	<0.009	<0.01
19...	<0.01	<0.009	<0.01
19...	<0.01	<0.009	<0.01
23...	<0.01	<0.009	E.04
23...	<0.01	<0.009	M
23...	<0.01	<0.009	<0.01
23...	<0.01	<0.009	<0.01
24...	<0.01	<0.009	<0.01

METHOD SH2060

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instan-taneous dis-charge, cfs (00061)	Sam-pling method, code (82398)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)
APR													
16...	0640	4.5	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
MAY													
13...	1405	2.5	10	<0.009	0.06	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUN													
04...	0805	19	10	E.073	0.54	<0.02	<0.03	<0.04	E.008	<0.006	<2	<0.007	<0.02
05...	0920	16	10	<0.009	0.46	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	1230	43	10	0.252	E1.64	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
16...	0935	4.3	10	<0.009	0.15	<0.02	<0.03	<0.04	E.005	<0.006	<2	<0.007	<0.02
23...	1210	5.1	10	<0.009	0.24	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUL													
08...	1020	1.1	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	1005	6.7	10	<0.013	0.87	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
AUG													
04...	1445	17	10	<0.009	<0.11	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
SEP													
03...	0945	4.7	10	<0.009	E.16	<0.02	<0.03	<0.04	<0.015	<0.006	<2	<0.007	<0.02
10...	1420	0.53	70	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	0155	E9.0	70	<0.009	<0.07	<0.02	<0.03	<0.04	<0.011	<0.006	<2	<0.007	<0.02
19...	0400	E12	70	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	0415	E28	70	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	0805	E23	70	<0.009	0.15	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	1320	E11	70	<0.009	<0.13	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	0305	E10	60	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	0535	E18	70	<0.009	0.20	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	0920	E29	60	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	1145	E32	60	<0.009	0.14	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
24...	1300	E5.5	10	0.042	0.30	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02

0137498420 BRANCH BROOK AT MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	Atrazine, water, fltrd, ug/L (39632)	Bendiocarb, water, fltrd, ug/L (50299)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chloramben methyl ester, water, fltrd, ug/L (61188)
APR													
16...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0593	E.02	<0.006	<0.02
MAY													
13...	<0.008	<0.04	E.004	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0832	E.01	<0.006	<0.02
JUN													
04...	<0.008	<0.04	E.003	<0.03	<0.005	<0.02	<0.01	<0.03	<0.02	E.2319	M	<0.006	<0.02
05...	<0.008	<0.04	<0.009	<0.03	0.015	<0.02	<0.01	<0.03	<0.02	<0.0096	0.04	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	E.009	<0.02	<0.01	<0.03	<0.02	E.1617	E.01	<0.006	<0.02
16...	<0.008	<0.04	<0.009	<0.03	0.004	<0.02	<0.01	<0.03	<0.02	E.0156	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	0.009	<0.02	<0.01	<0.03	<0.02	0.0619	M	<0.006	<0.02
JUL													
08...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.2920	E.04	<0.006	<0.02
AUG													
04...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.5687	<0.03	<0.006	<0.02
SEP													
03...	<0.008	<0.04	<0.009	<0.03	<0.010	<0.02	<0.01	<0.03	<0.02	E.2428	<0.03	<0.006	<0.02
10...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E1.14	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.7653	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.2497	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.4040	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	E.024	<0.02	<0.01	<0.03	<0.02	E.1888	E.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.4029	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.5196	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.1693	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.1365	M	<0.006	<0.02
24...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0537	<0.03	<0.006	<0.02

Date	Chlorimuron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-triazine, wat flt ug/L (04039)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cycloate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)
APR													
16...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
MAY													
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
JUN													
04...	<0.010	E.01	<0.01	<0.01	<0.01	0.19	0.19	<0.01	<0.03	E1.32	<0.03	<0.01	<0.03
05...	<0.010	<0.01	<0.01	<0.01	<0.01	E.11	0.30	<0.01	<0.03	E.70	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	0.81	E1.73	<0.01	<0.03	E.29	<0.03	<0.01	<0.03
16...	<0.010	<0.01	<0.01	<0.01	<0.01	0.20	0.18	<0.01	<0.03	0.05	<0.03	<0.01	<0.03
23...	<0.010	<0.01	0.03	<0.01	<0.01	0.10	0.03	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
JUL													
08...	<0.010	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
23...	<0.010	E.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.03	E.04	<0.03	<0.01	<0.03
AUG													
04...	<0.139	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
SEP													
03...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.07	<0.01	<0.01	<0.03	E.02	<0.03	<0.01	<0.03
10...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.50	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.01	<0.03	<0.02	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.12	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01	<0.03	E.04	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01	<0.03	E.03	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.14	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.02	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.05	<0.03	<0.01	<0.03
24...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03

0137498420 BRANCH BROOK AT MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Linuron water fltrd 0.7u GF ug/L (38478)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Metsul-furon, water, fltrd, ug/L (61697)	N-(4-Chloro-phenyl) -N-' methyl-urea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)
APR													
16...	<0.02	<0.02	0.016	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
MAY													
13...	<0.02	<0.02	E.016	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUN													
04...	E.03	<0.02	E.138	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.03	<0.02	<0.01	<0.01
05...	<0.02	<0.02	0.107	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
13...	E.03	<0.02	0.060	<0.01	<0.02	<0.01	M	<0.008	<0.004	E.01	<0.02	<0.01	<0.01
16...	<0.02	<0.02	0.035	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	E.01	<0.02	0.050	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUL													
08...	<0.02	<0.02	0.084	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	E.193	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	--	<0.02	<0.01	<0.01
AUG													
04...	<0.02	<0.02	0.080	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
SEP													
03...	<0.02	<0.02	E.127	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
10...	<0.02	<0.02	<0.035	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	<0.007	<0.01	0.75	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	<0.007	<0.01	<0.03	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	<0.007	<0.01	0.18	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	<0.007	<0.01	0.06	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	E.076	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	<0.007	<0.01	0.04	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
24...	<0.02	<0.02	0.069	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01

Date	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Propham water fltrd 0.7u GF ug/L (49236)	Propi-cona-zole, water, fltrd, ug/L (50471)	Pro-poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sulfo-met-ruron, water, fltrd, ug/L (50337)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd, ug/L (04032)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)
APR												
16...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	0.008	<0.010	<0.02
MAY												
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	E.010	<0.010	<0.02
JUN												
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	E.019	E.004	<0.010	<0.02
05...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	0.04
16...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	E.008	0.007	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	0.007	<0.010	0.05
JUL												
08...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	0.022	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	E.010	<0.010	<0.20
AUG												
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
SEP												
03...	<0.02	<0.02	<0.01	<0.02	<0.010	E.02	<0.008	E.02	<0.009	E.013	<0.010	<0.02
10...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	0.024	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	E.007	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.33	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
24...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	0.007	<0.010	0.05

E Estimated
M Presence verified, not quantified

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)
Jan 2	0730	*341	*4.49

No other peak greater than base discharge.

Minimum discharge, 3.0 ft^3/s, Oct. 10, gage height, 1.59 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	8.1	25	74	16	32	55	23	129	14	7.9	12
2	3.4	7.7	21	275	19	68	51	28	85	13	18	76
3	3.3	7.4	19	132	20	89	47	43	41	12	34	43
4	8.8	7.2	e17	102	32	e49	44	27	82	11	60	23
5	8.4	7.2	15	82	31	51	45	23	113	10	83	17
6	5.4	19	e16	70	25	64	42	22	67	9.1	39	13
7	4.3	18	e17	63	17	e50	39	21	57	8.5	33	11
8	3.5	11	e18	57	e16	42	45	44	77	8.4	68	10
9	3.2	8.8	e19	58	e15	52	55	34	54	9.1	43	9.0
10	3.1	8.5	e20	61	15	e49	61	25	43	10	84	8.2
11	18	8.8	23	50	e14	42	58	22	37	9.4	54	7.7
12	86	16	102	e38	e13	39	96	25	46	8.5	38	7.3
13	70	55	63	e33	e13	46	77	23	128	7.0	25	7.5
14	24	29	116	e31	e12	40	53	20	92	6.3	18	19
15	13	17	84	e29	12	41	47	17	58	6.2	15	36
16	26	15	58	e27	e13	68	45	16	45	6.0	13	40
17	54	135	47	e25	21	108	40	15	38	6.3	26	20
18	24	150	37	e23	22	113	37	15	50	5.6	126	12
19	15	71	35	e21	17	92	36	14	50	5.7	38	68
20	12	46	67	e19	15	73	34	12	38	5.0	21	39
21	10	37	90	e17	15	176	32	14	41	8.3	16	17
22	9.0	52	51	e15	56	121	35	16	75	40	16	13
23	8.2	66	42	e14	e180	89	33	16	49	47	17	87
24	7.3	41	37	14	115	73	29	19	34	21	12	85
25	7.4	32	37	13	61	64	26	19	27	12	10	32
26	32	29	49	e13	e50	59	34	74	23	8.5	9.7	23
27	29	33	49	e13	e39	65	39	87	20	7.1	9.2	22
28	14	31	41	e13	35	52	29	35	17	7.2	8.3	139
29	10	26	38	e13	---	57	26	29	16	5.9	7.8	106
30	9.3	25	35	e13	---	112	24	22	15	5.0	8.0	57
31	8.7	---	40	e14	---	72	---	24	---	4.5	7.4	---
TOTAL	534.5	1,017.7	1,328	1,422	909	2,148	1,314	824	1,647	337.6	965.3	1,059.7
MEAN	17.2	33.9	42.8	45.9	32.5	69.3	43.8	26.6	54.9	10.9	31.1	35.3
MAX	86	150	116	275	180	176	96	87	129	47	126	139
MIN	3.1	7.2	15	13	12	32	24	12	15	4.5	7.4	7.3
CFSM	0.98	1.93	2.43	2.61	1.84	3.94	2.49	1.51	3.12	0.62	1.77	2.01
IN.	1.13	2.15	2.81	3.01	1.92	4.54	2.78	1.74	3.48	0.71	2.04	2.24

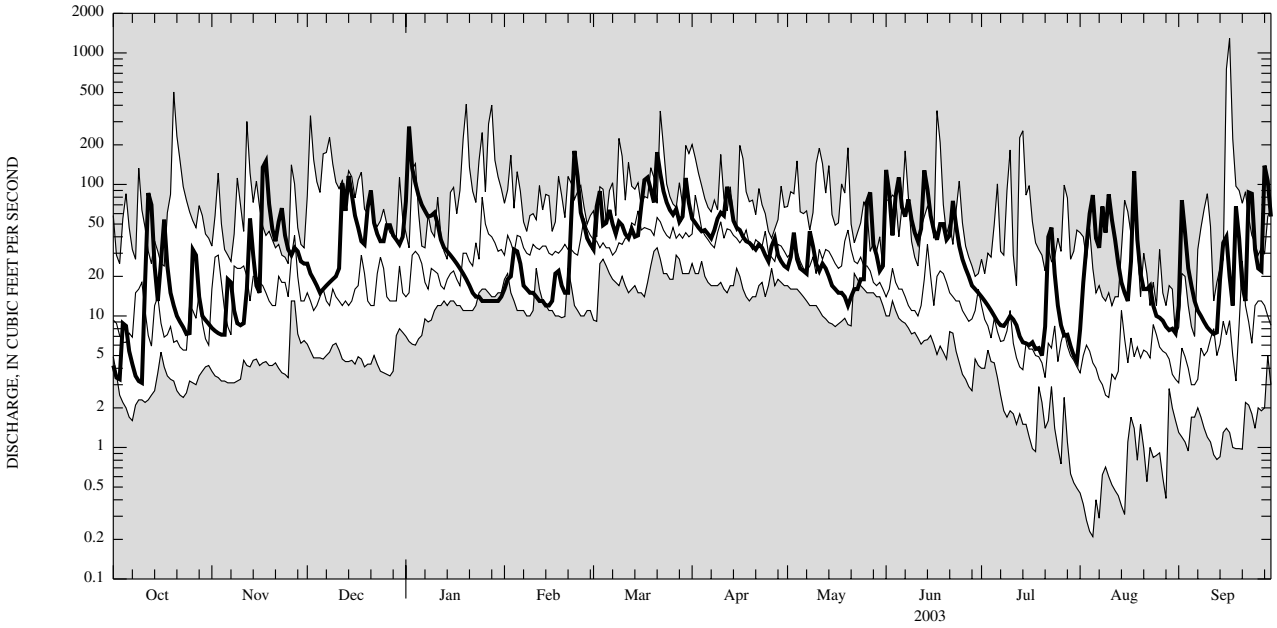
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	20.5	24.7	30.7	41.1	37.8	53.3	44.9	32.7	28.5	14.7	11.3	25.7
MAX	63.6	45.0	96.0	83.1	52.0	72.6	66.5	52.6	54.9	43.7	31.1	106
(WY)	(1997)	(1996)	(1997)	(1996)	(1996)	(2001)	(1996)	(1998)	(2003)	(1996)	(2003)	(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)

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	7,700.89		13,506.8			
ANNUAL MEAN	21.1		37.0		29.3	
HIGHEST ANNUAL MEAN					38.8	1997
LOWEST ANNUAL MEAN					15.1	2002
HIGHEST DAILY MEAN	176	Jun 7	275	Jan 2	1,290	Sep 17, 1999
LOWEST DAILY MEAN	0.31	Aug 15	3.1	Oct 10	0.21	Aug 5, 1999
ANNUAL SEVEN-DAY MINIMUM	0.49	Aug 9	5.2	Oct 4	0.32	Aug 1, 1999
ANNUAL RUNOFF (CFSM)	1.20		2.10		1.66	
ANNUAL RUNOFF (INCHES)	16.28		28.55		22.62	
10 PERCENT EXCEEDS	46		79		61	
50 PERCENT EXCEEDS	15		26		20	
90 PERCENT EXCEEDS	2.2		8.2		3.5	

e Estimated



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), 2000-03 (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 SH2003, and method SH2060. 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.

METHOD SH2010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)
OCT													
09...	1245	3.1	10	<0.006	<0.006	<0.006	<0.004	<0.005	95.1	<0.007	<0.050	<0.010	<0.002
12...	0900	80	50	<0.006	E.003	<0.006	<0.004	<0.005	101	<0.007	<0.050	<0.010	<0.002
13...	0850	80	50	<0.006	E.003	<0.006	<0.004	<0.005	93.0	<0.007	<0.050	<0.010	<0.002
26...	1700	42	50	<0.006	<0.006	<0.006	<0.004	<0.005	113	<0.007	<0.050	<0.010	<0.002
NOV													
05...	1030	6.9	10	<0.006	<0.006	<0.006	<0.004	<0.005	101	<0.007	<0.050	<0.010	<0.002
13...	0820	60	50	<0.006	<0.006	<0.006	<0.004	<0.005	104	<0.007	<0.050	<0.010	<0.002
17...	0240	73	50	<0.006	E.003	<0.006	<0.004	<0.005	103	<0.007	<0.050	<0.010	<0.002
18...	0925	167	50	<0.006	<0.006	<0.006	<0.004	<0.005	99.0	<0.007	<0.050	<0.010	<0.002
19...	0630	80	50	<0.006	<0.006	<0.006	<0.004	<0.005	110	<0.007	<0.050	<0.010	<0.002
DEC													
12...	0920	117	50	<0.006	<0.006	<0.006	<0.004	<0.005	118	<0.007	<0.050	<0.010	<0.002
14...	1355	137	50	<0.006	<0.006	<0.006	<0.004	<0.005	95.3	<0.007	<0.050	<0.010	<0.002
17...	1205	46	10	<0.006	<0.006	<0.006	<0.004	<0.005	99.1	<0.007	<0.050	<0.010	<0.002
21...	0545	109	50	<0.006	<0.006	<0.006	<0.004	<0.005	100	<0.007	<0.050	<0.010	<0.002
JAN													
15...	1220	e29	10	<0.006	<0.006	<0.006	<0.004	<0.005	89.7	<0.007	<0.050	<0.010	<0.002
MAR													
11...	1100	52	10	<0.006	<0.006	<0.006	<0.004	<0.005	98.1	<0.007	<0.050	<0.010	<0.002

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)
OCT													
09...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.022	118	<0.005	<0.02	<0.002	<0.009
12...	E.008	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.015	125	<0.005	<0.02	<0.002	<0.009
13...	E.034	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.017	116	<0.005	<0.02	<0.002	<0.009
26...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.010	126	<0.005	<0.02	<0.002	<0.009
NOV													
05...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	122	<0.005	<0.02	<0.002	<0.009
13...	E.011	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	109	<0.005	<0.02	<0.002	<0.009
17...	E.005	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	109	<0.005	<0.02	<0.002	<0.009
18...	E.006	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.005	108	<0.005	<0.02	<0.002	<0.009
19...	E.004	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	118	<0.005	<0.02	<0.002	<0.009
DEC													
12...	E.004	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	142	<0.005	<0.02	<0.002	<0.009
14...	E.004	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	115	<0.005	<0.02	<0.002	<0.009
17...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	117	<0.005	<0.02	<0.002	<0.009
21...	E.004	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	122	<0.005	<0.02	<0.002	<0.009
JAN													
15...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	101	<0.005	<0.02	<0.002	<0.009
MAR													
11...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	108	<0.005	<0.02	<0.002	<0.009

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2010--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)
OCT													
09...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
12...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.025	<0.006	<0.013	<0.006	<0.002
13...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
26...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
NOV													
05...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
13...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
17...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
18...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
19...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
DEC													
12...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.018	<0.006	<0.013	<0.006	<0.002
14...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.008	<0.006	<0.013	<0.006	<0.002
17...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
21...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.009	<0.006	<0.013	<0.006	<0.002
JAN													
15...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
MAR													
11...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002

Date	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)
OCT													
09...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
12...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
13...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
26...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
NOV													
05...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
13...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
17...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
18...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
19...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
DEC													
12...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.006	<0.02
14...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
17...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
21...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
JAN													
15...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02
MAR													
11...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2010--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
OCT					
09...	<0.034	<0.02	<0.005	<0.002	<0.009
12...	<0.034	<0.02	<0.005	<0.002	<0.009
13...	<0.034	<0.02	<0.005	<0.002	<0.009
26...	<0.034	<0.02	<0.005	<0.002	<0.009
NOV					
05...	<0.034	<0.02	<0.005	<0.002	<0.009
13...	<0.034	<0.02	<0.005	<0.002	<0.009
17...	<0.034	<0.02	<0.005	<0.002	E.004
18...	<0.034	<0.02	<0.005	<0.002	<0.009
19...	<0.034	<0.02	<0.005	<0.002	<0.009
DEC					
12...	<0.034	<0.02	<0.005	<0.002	<0.009
14...	<0.034	<0.02	<0.005	<0.002	<0.009
17...	<0.034	<0.02	<0.005	<0.002	<0.009
21...	<0.034	<0.02	<0.005	<0.002	<0.009
JAN					
15...	<0.034	<0.02	<0.005	<0.002	<0.009
MAR					
11...	<0.034	<0.02	<0.005	<0.002	<0.009

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2,6'-'diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)
APR													
16...	0930	46	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
MAY													
13...	1055	23	10	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	<0.004	<0.006	<0.006	<0.004
21...	1215	14	10	<0.09	<0.006	<0.1	<0.005	E.003	<0.004	<0.004	E.005	<0.006	<0.004
26...	0900	46	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
26...	1410	91	50	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	<0.004	<0.006	<0.006	<0.004
26...	1810	125	50	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	0.021	<0.006	<0.006	<0.004
27...	1000	93	50	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	0.019	<0.006	<0.006	<0.004
27...	1320	79	50	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	0.020	<0.006	<0.006	<0.004
28...	1430	32	10	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	0.008	<0.006	<0.006	<0.004
JUN													
04...	0900	74	10	<0.09	<0.006	<0.1	<0.005	E.004	<0.004	<0.004	<0.006	<0.006	<0.004
04...	1645	99	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	0.007	<0.006	<0.006	<0.004
04...	2345	126	50	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	<0.005	<0.006	<0.006	<0.004
05...	1220	121	50	<0.09	<0.006	<0.1	<0.005	E.005	<0.004	0.008	<0.006	<0.006	<0.004
12...	1145	46	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
12...	2300	57	50	<0.09	<0.006	<0.1	<0.005	E.003	<0.004	<0.004	<0.006	<0.006	<0.004
12...	2350	100	50	E.01	<0.006	<0.1	<0.005	E.003	<0.004	<0.004	<0.006	<0.006	<0.004
13...	0900	130	50	E.01	<0.006	<0.1	<0.005	E.003	<0.004	<0.004	<0.006	<0.006	<0.004
13...	1420	152	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
13...	1435	150	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
14...	2350	68	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
16...	1315	44	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	1345	46	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
JUL													
08...	1250	8.6	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
21...	2110	14	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
22...	0740	34	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
22...	1700	62	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
22...	2345	61	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
24...	1110	21	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	E.002	<0.006	<0.006	<0.004
AUG													
04...	0530	22	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
05...	0500	116	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
SEP													
03...	1200	39	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
10...	1600	8.4	10	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
15...	0645	41	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...	0300	25	50	<0.09	E.001	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
19...	0500	92	50	E.01	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
20...	0430	55	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	0315	19	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	0700	44	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	1000	125	50	M	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
23...	1915	150	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004
24...	0745	100	50	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	<0.004

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)
APR													
16...	<0.007	<0.02	<0.050	<0.010	E.005	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.04
MAY													
13...	E.007	<0.02	<0.050	<0.010	E.003	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
21...	E.003	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
26...	<0.007	<0.02	<0.050	<0.010	E.005	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
26...	E.005	<0.02	<0.050	E.005	E.014	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
26...	E.005	<0.02	<0.050	<0.010	E.017	<0.06	<0.005	<0.006	<0.008	<0.009	E.001	<0.004	<0.01
27...	<0.007	<0.02	<0.050	<0.010	E.006	<0.06	<0.005	<0.006	<0.008	<0.009	0.006	<0.004	<0.01
27...	E.005	<0.02	<0.050	<0.010	E.007	<0.06	<0.005	<0.006	<0.008	<0.009	0.008	<0.004	<0.01
28...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	0.006	<0.004	<0.01
JUN													
04...	<0.007	<0.03	<0.050	<0.010	E.012	<0.06	<0.005	<0.006	<0.008	<0.009	0.004	<0.004	<0.01
04...	E.006	<0.02	<0.050	<0.010	E.010	<0.06	<0.005	<0.006	<0.008	<0.009	0.006	<0.004	<0.01
04...	E.005	<0.02	<0.050	E.005	E.011	<0.06	<0.005	<0.006	<0.008	<0.009	0.005	<0.004	<0.01
05...	E.005	<0.02	<0.050	<0.010	E.011	<0.06	<0.005	<0.006	<0.008	<0.009	0.010	<0.004	<0.01
12...	E.004	<0.02	<0.050	<0.010	E.039	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
12...	<0.007	<0.02	<0.050	<0.010	E.016	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
12...	E.004	<0.02	<0.050	<0.010	E.124	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
13...	E.004	<0.02	<0.050	<0.010	E.069	<0.06	<0.005	<0.006	<0.008	<0.009	0.004	<0.004	<0.01
13...	<0.007	<0.02	<0.050	<0.010	E.081	<0.06	<0.005	<0.006	<0.008	<0.009	0.005	<0.004	<0.01
13...	<0.007	<0.02	<0.050	<0.010	E.078	<0.06	<0.005	<0.006	<0.008	<0.009	0.006	<0.004	<0.01
14...	<0.007	<0.02	<0.050	<0.010	E.010	<0.06	<0.005	<0.006	<0.008	<0.009	0.011	<0.004	<0.01
16...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	0.004	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.006	<0.06	<0.005	<0.006	<0.008	<0.009	E.003	<0.004	<0.01
JUL													
08...	E.003	<0.12	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
21...	<0.007	<0.02	<0.050	<0.010	E.040	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
22...	<0.007	<0.02	<0.050	<0.010	E.035	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
22...	E.005	<0.02	<0.050	<0.010	E.057	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
22...	E.005	<0.02	<0.050	<0.010	E.066	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
24...	<0.007	<0.02	<0.050	<0.010	E.015	<0.06	<0.005	<0.006	<0.008	<0.009	E.002	<0.004	<0.01
AUG													
04...	<0.007	<0.03	<0.050	<0.010	E.057	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
05...	<0.007	<0.03	<0.050	<0.010	E.035	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
SEP													
03...	E.003	<0.02	<0.050	<0.010	E.018	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
10...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
15...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	<0.007	<0.03	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
19...	<0.007	<0.03	<0.050	<0.010	E.082	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
20...	<0.007	<0.02	<0.050	<0.010	E.003	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
23...	<0.007	<0.02	<0.050	<0.010	E.003	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01
24...	<0.007	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004	<0.01

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
APR													
16...	0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
MAY													
13...	E.003	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
21...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.12	<0.03	<0.009	<0.005	<0.005	<0.007
26...	0.013	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.12	<0.03	<0.009	<0.005	<0.005	<0.007
26...	0.236	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
26...	0.091	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
27...	0.016	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
27...	0.013	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
28...	0.009	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
JUN													
04...	0.011	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
04...	0.010	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
04...	0.059	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
05...	0.015	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
12...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
12...	E.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
12...	0.009	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
13...	0.010	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
13...	0.008	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
13...	0.009	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
14...	E.004	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
16...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	0.009	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
JUL													
08...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.12	<0.03	<0.009	<0.005	<0.005	<0.007
21...	0.016	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
22...	0.011	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
22...	0.059	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
22...	0.028	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
24...	0.011	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
AUG													
04...	0.009	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
05...	0.006	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
SEP													
03...	0.054	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
10...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	E.008
15...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	0.007	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
19...	0.006	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
20...	<0.005	<0.08	<0.005	E.002	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	0.039	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	0.035	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
23...	<0.010	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007
24...	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)
APR													
16...	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
MAY													
13...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.004	<0.006
21...	<0.002	<0.003	0.034	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.003	<0.006
26...	<0.002	<0.003	0.044	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.003	<0.006
26...	<0.002	<0.003	0.101	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
26...	<0.002	<0.003	0.471	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.003	<0.006
27...	<0.002	<0.003	0.516	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.002	<0.006
27...	<0.002	<0.003	0.525	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.003	<0.006
28...	<0.002	<0.003	0.263	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
JUN													
04...	<0.002	<0.003	0.035	<1	<0.003	<0.008	E.009	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
04...	<0.002	<0.003	0.051	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
04...	<0.002	<0.003	0.051	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
05...	<0.002	<0.003	0.068	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
12...	<0.002	<0.003	0.018	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
12...	<0.002	<0.003	0.025	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
12...	<0.002	<0.003	0.020	<1	<0.003	<0.008	E.009	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
13...	<0.002	<0.003	0.020	M	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
13...	<0.002	<0.003	0.020	M	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
13...	<0.002	<0.003	0.028	M	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
14...	<0.002	<0.003	0.031	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
16...	<0.002	<0.003	0.025	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	0.022	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
JUL													
08...	<0.002	<0.003	0.019	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
21...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
22...	<0.002	<0.003	E.012	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.006	<0.006
22...	<0.002	<0.003	0.019	<1	<0.003	<0.008	E.010	<0.009	<0.006	<0.03	<0.006	E.005	<0.006
22...	<0.002	<0.003	0.017	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.004	<0.006
24...	<0.002	<0.003	0.024	<1	<0.003	<0.008	<0.027	0.007	<0.006	<0.03	<0.006	E.004	<0.006
AUG													
04...	<0.002	<0.003	0.021	<1	<0.003	<0.008	E.008	<0.005	<0.006	<0.03	<0.006	E.005	<0.006
05...	<0.002	<0.003	0.019	<1	<0.003	<0.008	<0.027	1.34	<0.006	<0.03	<0.006	<0.013	<0.006
SEP													
03...	<0.002	<0.003	0.016	<1	<0.003	<0.008	<0.027	0.068	<0.006	<0.03	<0.006	<0.013	<0.006
10...	<0.002	<0.003	E.012	<1	<0.003	<0.008	<0.027	0.011	<0.006	<0.03	<0.006	<0.013	<0.006
15...	<0.002	<0.003	0.014	<1	<0.003	<0.008	<0.027	0.025	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.013	<0.006	<0.03	<0.006	<0.013	<0.006
19...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
20...	<0.002	<0.003	E.009	<1	<0.003	<0.008	<0.027	0.015	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	E.007	<1	<0.003	<0.008	<0.027	0.006	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	E.005	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013	<0.006
23...	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	0.012	<0.006	<0.03	<0.006	<0.013	<0.006
24...	<0.002	<0.003	E.007	<1	<0.003	<0.008	<0.027	0.008	<0.006	<0.03	<0.006	<0.013	<0.006

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)
APR													
16...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
MAY													
13...	E.005	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
21...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
26...	<0.008	E.013	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
26...	<0.008	E.015	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
26...	E.006	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
27...	E.006	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
27...	E.006	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
28...	E.007	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
JUN													
04...	E.005	<0.022	<0.10	<0.011	<0.06	<0.008	<0.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
04...	E.006	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
04...	E.006	E.019	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
05...	E.007	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
12...	E.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
12...	0.012	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
12...	0.011	E.036	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
13...	0.011	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
13...	0.009	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
13...	0.012	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
14...	0.010	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
16...	0.010	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	E.007	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
JUL													
08...	E.007	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
21...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	E.01	<0.07	<0.02
22...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.06	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
22...	0.009	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
22...	0.010	E.012	<0.10	<0.011	<0.06	<0.008	0.03	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
24...	0.012	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
AUG													
04...	0.009	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
05...	0.014	<0.022	<0.10	<0.011	<0.06	<0.008	0.03	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
SEP													
03...	E.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
10...	E.006	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
15...	0.010	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
19...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
20...	E.005	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	E.003	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	M	<0.07	<0.02
23...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
23...	E.004	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02
24...	E.004	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	<0.005	<0.02	<0.07	<0.02

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2003--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)
APR			
16...	<0.01	<0.009	E.02
MAY			
13...	<0.01	<0.009	M
21...	<0.01	<0.009	<0.01
26...	<0.01	E.004	<0.01
26...	<0.01	E.005	M
26...	<0.01	<0.009	<0.01
27...	<0.01	<0.009	E.02
27...	<0.01	E.004	M
28...	<0.01	<0.009	E.01
JUN			
04...	<0.01	<0.009	<0.01
04...	<0.01	<0.009	E.01
04...	<0.01	E.005	E.01
05...	<0.01	E.005	E.01
12...	<0.01	<0.009	M
12...	<0.01	<0.009	M
12...	<0.01	E.007	<0.01
13...	<0.01	<0.009	<0.01
13...	<0.01	E.004	M
13...	<0.01	E.003	M
14...	<0.01	<0.009	E.01
16...	<0.01	<0.009	M
23...	<0.01	<0.009	E.01
JUL			
08...	<0.01	<0.009	M
21...	<0.01	<0.009	<0.01
22...	<0.01	<0.009	<0.01
22...	<0.01	<0.009	<0.01
22...	<0.01	E.006	<0.01
24...	<0.01	<0.009	<0.01
AUG			
04...	<0.01	0.013	<0.01
05...	<0.01	E.005	<0.01
SEP			
03...	<0.01	<0.009	M
10...	<0.01	<0.009	<0.01
15...	<0.01	<0.009	<0.01
19...	<0.01	<0.009	<0.01
19...	<0.01	0.009	<0.01
20...	<0.01	<0.009	<0.01
23...	<0.01	<0.009	<0.01
23...	<0.01	E.002	<0.01
23...	<0.01	E.006	<0.01
23...	<0.01	<0.009	E.04
24...	<0.01	<0.009	E.01

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2060

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	3-Ketocarbofuran, water, fltrd, ug/L (50295)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)
OCT													
09...	1250	3.1	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
12...	0905	80	50	<0.009	E.09	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	0855	80	50	<0.009	E.03	<0.02	<0.03	<0.04	<0.002	<0.006	<2	<0.007	<0.02
26...	1705	42	50	<0.009	0.08	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
NOV													
05...	1035	6.9	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	0825	60	50	<0.009	E.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
17...	0245	73	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
18...	0930	167	50	<0.009	0.04	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	0635	80	50	<0.009	0.05	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
DEC													
12...	0925	117	50	<0.009	E.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
14...	1400	137	50	<0.009	0.04	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
17...	1210	46	10	<0.009	E.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
21...	0550	109	50	<0.009	E.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JAN													
15...	1225	e29	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
MAR													
11...	1105	52	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
APR													
16...	0935	46	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
MAY													
13...	1100	23	10	<0.009	0.03	<0.02	<0.03	<0.04	E.005	<0.006	<2	<0.007	<0.02
21...	1220	14	10	0.047	E1.34	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.03
26...	0905	46	50	<0.009	0.33	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
26...	1415	91	50	0.090	0.42	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
26...	1815	125	50	<0.009	0.15	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
27...	1005	93	50	<0.009	0.19	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
27...	1325	79	50	<0.009	0.13	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
28...	1435	32	10	<0.009	0.06	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUN													
04...	0905	74	10	E.042	0.29	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
04...	1650	99	50	<0.009	0.29	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
04...	2350	126	50	<0.009	0.30	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
05...	1225	121	50	<0.009	0.25	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
12...	1200	46	10	<0.009	0.10	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
12...	2305	57	50	<0.009	0.13	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
12...	2355	100	50	<0.009	0.13	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	0905	130	50	0.098	0.83	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	1425	152	50	0.073	0.46	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
13...	1440	150	50	0.030	0.48	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
14...	2355	68	50	<0.009	0.16	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
16...	1320	44	50	<0.009	0.05	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	1350	46	10	<0.009	0.14	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
JUL													
08...	1255	8.6	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
21...	2115	14	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
22...	0745	34	50	<0.009	0.17	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
22...	1705	62	50	<0.009	0.13	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
22...	2350	61	50	<0.009	0.16	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
24...	1115	21	50	<0.009	0.15	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
AUG													
04...	0535	22	50	<0.009	0.09	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
05...	0505	116	50	<0.023	0.22	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
SEP													
03...	1205	39	10	<0.009	<0.05	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
10...	1605	8.4	10	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
15...	0650	41	50	<0.009	<0.04	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.05
19...	0305	25	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
19...	0505	92	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
20...	0435	55	50	<0.009	<0.04	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	0320	19	50	<0.009	<0.02	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	0705	44	50	<0.009	0.12	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	1005	125	50	<0.009	0.14	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
23...	1920	150	50	<0.009	0.05	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02
24...	0750	100	50	<0.009	0.08	<0.02	<0.03	<0.04	<0.008	<0.006	<2	<0.007	<0.02

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	Atrazine, water, fltrd, ug/L (39632)	Bendiocarb, water, fltrd, ug/L (50299)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chloramben methyl ester, water, fltrd, ug/L (61188)
OCT													
09...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
12...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.1005	<0.03	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0636	E.01	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.2808	<0.03	<0.006	<0.02
NOV													
05...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.1686	<0.03	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	E.01	<0.006	<0.02
17...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.1133	<0.03	<0.006	<0.02
18...	<0.008	<0.04	<0.009	<0.03	0.303	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	0.123	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
DEC													
12...	<0.008	<0.04	<0.009	<0.03	E.020	<0.02	<0.01	<0.03	<0.02	E.1851	<0.03	<0.006	<0.02
14...	<0.008	<0.04	<0.009	<0.03	0.031	<0.02	<0.01	<0.03	<0.02	0.0927	<0.03	<0.006	<0.02
17...	<0.008	<0.04	<0.009	<0.03	0.004	<0.02	<0.01	<0.03	<0.02	0.0416	<0.03	<0.006	<0.02
21...	<0.008	<0.04	<0.009	<0.03	0.012	<0.02	<0.01	<0.03	<0.02	0.0690	<0.03	<0.006	<0.02
JAN													
15...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0450	<0.03	<0.006	<0.02
MAR													
11...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0424	<0.03	<0.006	<0.02
APR													
16...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
MAY													
13...	<0.008	<0.04	<0.009	<0.03	E.024	<0.02	<0.01	<0.03	<0.02	E.0684	<0.03	<0.006	<0.02
21...	<0.008	<0.04	<0.009	<0.03	0.012	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	0.007	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0784	<0.03	<0.006	<0.02
26...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0569	E.01	<0.006	<0.02
27...	<0.008	<0.04	<0.009	<0.03	0.052	<0.02	<0.01	<0.03	<0.02	E.0663	<0.03	<0.006	<0.02
27...	<0.008	<0.04	<0.009	<0.03	0.047	<0.02	<0.01	<0.03	<0.02	E.0450	<0.03	<0.006	<0.02
28...	<0.008	<0.04	<0.009	<0.03	0.021	<0.02	<0.01	<0.03	<0.02	0.0262	<0.03	<0.006	<0.02
JUN													
04...	<0.008	<0.04	<0.009	<0.03	E.044	<0.02	<0.01	<0.03	<0.02	E.0741	E.01	<0.006	<0.02
04...	<0.008	<0.04	<0.009	<0.03	0.092	<0.02	<0.01	<0.03	<0.02	<0.0096	M	<0.006	<0.02
04...	<0.008	<0.04	<0.009	<0.03	0.068	<0.02	<0.01	<0.03	<0.02	<0.0096	M	<0.006	<0.02
05...	<0.008	<0.04	<0.009	<0.03	0.078	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
12...	<0.008	<0.04	<0.009	<0.03	E.026	<0.02	<0.01	<0.03	<0.02	E.0970	E.02	<0.006	<0.02
12...	<0.008	<0.04	<0.009	<0.03	E.018	<0.02	<0.01	<0.03	<0.02	E.0265	E.01	<0.006	<0.02
12...	<0.008	<0.04	<0.009	<0.03	E.015	<0.02	<0.01	<0.03	<0.02	E.0256	0.07	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	E.022	<0.02	<0.01	<0.03	<0.02	E.0480	0.04	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	E.036	<0.02	<0.01	<0.03	<0.02	E.0399	0.04	<0.006	<0.02
13...	<0.008	<0.04	<0.009	<0.03	0.037	<0.02	<0.01	<0.03	<0.02	E.0370	0.04	<0.006	<0.02
14...	<0.008	<0.04	<0.009	<0.03	0.022	<0.02	<0.01	<0.03	<0.02	E.0258	<0.03	<0.006	<0.02
16...	<0.008	<0.04	<0.009	<0.03	0.018	<0.02	<0.01	<0.03	<0.02	E.0157	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	0.008	<0.02	<0.01	<0.03	<0.02	0.0262	<0.03	<0.006	<0.02
JUL													
08...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0670	<0.03	<0.006	<0.02
21...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.1637	E.01	<0.006	<0.02
22...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.1379	E.01	<0.006	<0.02
22...	<0.008	<0.04	<0.009	<0.03	0.017	<0.02	<0.01	<0.03	<0.02	0.0468	E.01	<0.006	<0.02
22...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0096	E.02	<0.006	<0.02
24...	<0.008	<0.04	<0.009	<0.03	0.013	<0.02	<0.01	<0.03	<0.02	0.0253	<0.03	<0.006	<0.02
AUG													
04...	<0.008	<0.04	<0.009	<0.03	E.018	<0.02	<0.01	<0.03	<0.02	0.0750	E.01	<0.006	<0.02
05...	<0.008	<0.04	<0.009	<0.03	0.956	<0.02	<0.01	<0.03	<0.02	0.0296	<0.03	<0.006	<0.02
SEP													
03...	<0.008	<0.04	<0.009	<0.03	<0.019	<0.02	<0.01	<0.03	<0.02	0.0563	<0.03	<0.006	<0.02
10...	<0.008	<0.04	<0.009	<0.03	0.017	<0.02	<0.01	<0.03	<0.02	<0.0232	<0.03	<0.006	<0.02
15...	<0.008	<0.04	<0.009	<0.03	E.017	<0.02	<0.01	<0.03	<0.02	E.0599	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	E.014	<0.02	<0.01	E.02	<0.02	E.0244	<0.03	<0.006	<0.02
19...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	E.0540	E.01	<0.006	<0.02
20...	<0.008	<0.04	<0.009	<0.03	<0.009	<0.02	<0.01	<0.03	<0.02	<0.0207	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	E.010	<0.02	<0.01	<0.03	<0.02	<0.0096	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0155	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0622	<0.03	<0.006	<0.02
23...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	0.0455	<0.03	<0.006	<0.02
24...	<0.008	<0.04	<0.009	<0.03	<0.004	<0.02	<0.01	<0.03	<0.02	<0.0300	<0.03	<0.006	<0.02

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyclo-ate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)
OCT													
09...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.08	<0.03	<0.01	<0.03
NOV													
05...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
17...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
18...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
DEC													
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
14...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
17...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
21...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.01	<0.03	<0.01	<0.03
JAN													
15...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
MAR													
11...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
APR													
16...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
MAY													
13...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	M	<0.03	<0.01	<0.03
21...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	0.06	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.03	0.12	<0.03	<0.01	<0.03
26...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E1.06	<0.03	<0.01	<0.03
27...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.84	<0.03	<0.01	<0.03
27...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.77	<0.03	<0.01	<0.03
28...	<0.010	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.03	0.27	<0.03	<0.01	<0.03
JUN													
04...	<0.010	<0.01	<0.01	<0.01	<0.01	0.06	0.07	<0.01	<0.03	E.06	<0.03	<0.01	<0.03
04...	<0.010	<0.01	<0.01	<0.01	<0.01	E.08	0.13	<0.01	<0.03	E.11	<0.03	<0.01	<0.03
04...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	<0.01	<0.03	E.09	<0.03	<0.01	<0.03
05...	<0.010	<0.01	<0.01	<0.01	0.08	<0.01	0.15	<0.01	<0.03	E.14	<0.03	<0.01	<0.03
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	<0.03	E.02	<0.03	<0.01	<0.03
12...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	0.27	0.68	<0.01	<0.03	E.05	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	0.15	0.35	<0.01	<0.03	E.05	<0.03	<0.01	<0.03
13...	<0.010	<0.01	<0.01	<0.01	<0.01	0.20	0.38	<0.01	<0.03	0.05	<0.03	<0.01	<0.03
14...	<0.010	<0.01	<0.01	<0.01	0.07	0.05	0.11	<0.01	<0.03	0.05	<0.03	<0.01	<0.03
16...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	0.03	0.03	<0.01	<0.01	<0.03	0.04	<0.03	<0.01	<0.03
JUL													
08...	<0.010	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.01	<0.03	<0.01	<0.03
21...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	E.01
22...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	M	E.03	<0.03	<0.01	<0.03
22...	<0.010	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
22...	<0.010	<0.01	<0.01	<0.01	<0.01	E.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
24...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
AUG													
04...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
05...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
SEP													
03...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
10...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03
15...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	E.02	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.03	E.06	<0.03	<0.01	<0.03
19...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.03	E.07	<0.03	<0.01	<0.03
20...	<0.028	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.06	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.09	<0.03	<0.01	<0.03
23...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	0.04	<0.03	<0.01	<0.03
24...	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.03	<0.03	<0.01	<0.03

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Linuron water fltrd 0.7u GF ug/L (38478)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Metsul-furon, water, fltrd, ug/L (61697)	N-(4-Chloro-phenyl) -N-' methyl-urea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)
OCT													
09...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
12...	<0.02	<0.02	<0.007	<0.01	E.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
13...	<0.02	<0.02	0.047	<0.01	E.01	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	E.23	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.10	<0.02	<0.01	<0.01
NOV													
05...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
13...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
17...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
18...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	0.05	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	E.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
DEC													
12...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	M	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
14...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	M	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
17...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
21...	<0.02	E.01	<0.023	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JAN													
15...	<0.02	<0.02	0.018	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
MAR													
11...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
APR													
16...	<0.02	<0.02	0.021	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
MAY													
13...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
21...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	<0.02	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	E.10	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
26...	E.08	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.04	<0.02	<0.01	<0.01
27...	E.03	<0.02	0.024	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
27...	M	<0.02	0.022	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
28...	M	<0.02	0.019	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUN													
04...	E.02	<0.02	E.109	<0.01	0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
04...	<0.02	<0.02	E1.63	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
04...	<0.02	<0.02	0.716	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
05...	<0.02	<0.02	0.765	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
12...	E.01	<0.02	0.059	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
12...	E.01	<0.02	0.064	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.01	<0.02	<0.01	<0.01
12...	E.01	<0.02	0.223	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.01	<0.02	<0.01	<0.01
13...	E.01	<0.02	0.139	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.01	<0.02	<0.01	<0.01
13...	E.02	<0.02	0.230	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.01	<0.02	<0.01	<0.01
13...	E.02	<0.02	0.239	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.01	<0.02	<0.01	<0.01
14...	E.01	<0.02	0.122	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
16...	<0.02	<0.02	0.065	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	0.052	<0.01	0.03	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
JUL													
08...	<0.02	<0.02	0.033	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
21...	E.11	<0.02	<0.007	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.39	<0.02	<0.01	<0.01
22...	E.09	<0.02	E.186	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.20	<0.02	<0.01	<0.01
22...	E.01	<0.02	0.069	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	E.07	<0.02	<0.01	<0.01
22...	E.01	<0.02	0.300	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.10	<0.02	<0.01	<0.01
24...	E.01	<0.02	0.074	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
AUG													
04...	<0.02	<0.02	0.323	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
05...	<0.02	<0.02	0.228	<0.01	<0.02	<0.01	E1.66	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
SEP													
03...	E.01	<0.02	0.084	<0.01	<0.02	<0.01	0.09	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
10...	<0.02	<0.02	<0.026	<0.01	<0.02	<0.01	E.01	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
15...	<0.02	<0.02	<0.043	<0.01	<0.02	<0.01	E.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	E.183	<0.01	0.03	<0.01	E.01	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
19...	<0.02	<0.02	E1.51	<0.01	0.06	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
20...	<0.02	<0.02	<0.070	<0.01	<0.03	<0.01	E.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	<0.033	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	0.371	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	E1.29	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
23...	<0.02	<0.02	<0.050	<0.01	0.03	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01
24...	<0.02	<0.02	0.072	<0.01	<0.02	<0.01	<0.02	<0.008	<0.004	<0.03	<0.02	<0.01	<0.01

01374987 KISCO RIVER BELOW MOUNT KISCO, NY—Continued

METHOD SH2060--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd, ug/L (04032)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)
OCT												
09...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	E.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
NOV												
05...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
17...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
18...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
DEC												
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
14...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
17...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
21...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
JAN												
15...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
MAR												
11...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
APR												
16...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
MAY												
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
21...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	0.03	<0.009	<0.006	<0.010	<0.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	0.03	<0.009	<0.006	<0.010	<0.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.03	<0.009	<0.006	<0.010	<0.02
26...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
27...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.07	<0.009	<0.006	<0.010	<0.02
27...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.06	<0.009	<0.006	<0.010	<0.02
28...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	0.02	<0.009	<0.006	<0.010	<0.02
JUN												
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.02	<0.009	<0.006	<0.010	<0.02
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.04	<0.009	<0.006	<0.010	<0.02
05...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.02	<0.009	<0.006	<0.010	<0.02
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
12...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	0.03	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
13...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
14...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
16...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	E.02
JUL												
08...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
21...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
22...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	E.004	<0.02	<0.009	<0.006	<0.010	<0.02
22...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
22...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
24...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	E.02
AUG												
04...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
05...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
SEP												
03...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
10...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
15...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	E.01	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
19...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
20...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
23...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02
24...	<0.02	<0.02	<0.01	<0.02	<0.010	<0.02	<0.008	<0.02	<0.009	<0.006	<0.010	<0.02

E Estimated
e Estimated daily
M Presence verified, not quantified

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 good 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, 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)
Nov 17	0715	220	4.12	Mar 29	2115	159	3.82
Jan 2	0200	a*528	*5.13	Jun 1	0715	185	3.95
Feb 23	1730	191	3.98	Jun 13	1230	a375	4.70
Mar 21	0230	218	4.11	Sep 28	0645	231	4.17

a From rating curve extended as explained above.

Minimum discharge, 0.85 ft^3/s, Aug. 28, 29, 31, Sept. 1, gage height, 1.62 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	3.8	10	58	6.7	13	26	9.7	89	6.5	2.8	1.8
2	1.8	3.7	8.8	208	7.8	39	24	15	29	5.7	8.4	12
3	1.5	3.7	8.0	48	8.8	e35	21	18	18	5.3	4.8	6.0
4	2.3	3.6	e7.4	37	15	e30	20	11	43	5.0	5.6	4.9
5	2.9	3.5	7.2	30	13	24	21	9.3	49	4.5	5.7	3.3
6	2.2	13	7.6	27	e10	27	19	9.1	23	4.0	10	2.5
7	1.7	7.2	e8.0	25	8.2	e22	18	9.4	30	4.1	5.2	2.0
8	1.5	5.0	e8.4	23	e7.8	18	20	31	34	6.3	11	1.7
9	1.4	4.4	e8.6	26	e7.4	26	28	16	21	4.4	5.9	1.6
10	1.4	4.4	e9.0	27	7.1	23	27	12	22	4.2	10	1.4
11	10	4.7	e11	e19	e6.8	20	29	11	16	4.4	5.7	1.3
12	42	7.4	53	e16	e6.2	17	32	12	18	4.3	4.8	1.2
13	25	20	26	e14	e6.0	20	22	9.7	152	3.2	3.8	1.2
14	9.4	9.6	62	e13	e5.6	17	18	8.5	54	2.9	3.2	2.6
15	5.7	6.8	32	e12	e5.2	20	17	7.9	30	2.8	2.8	3.8
16	19	7.2	24	e11	e4.9	42	15	7.5	22	2.8	2.5	16
17	22	114	18	e10	4.5	69	14	6.7	19	3.4	2.4	4.0
18	9.0	68	15	e9.4	6.3	68	13	6.4	29	2.6	2.2	2.6
19	6.2	25	14	e8.6	6.0	45	13	5.8	21	3.5	2.2	17
20	5.2	18	35	e8.0	6.3	41	12	5.2	19	2.4	1.9	6.2
21	4.4	15	31	e7.0	7.0	130	12	6.5	26	3.4	1.7	3.9
22	4.0	28	19	e6.6	53	99	14	6.8	46	45	1.7	3.2
23	3.7	29	16	e6.2	144	45	13	7.0	25	33	1.6	22
24	3.6	17	15	e5.8	72	35	11	8.1	17	11	1.2	11
25	3.6	14	17	5.7	32	30	10	7.1	14	6.4	1.2	5.3
26	19	12	18	e5.8	e21	28	13	47	11	4.6	1.2	5.4
27	9.6	14	17	e5.8	e18	31	12	25	9.7	3.8	1.1	4.5
28	6.0	12	16	e5.8	15	24	10	13	8.0	3.9	0.97	77
29	4.9	11	15	5.8	---	45	10	11	7.3	3.0	0.90	20
30	4.5	11	14	e5.8	---	e64	10	8.7	7.0	2.6	1.0	10
31	4.1	---	19	6.0	---	34	---	11	---	2.3	0.91	---
TOTAL	239.8	496.0	570.0	696.3	511.6	1,181	524	372.4	909.0	201.3	114.38	255.4
MEAN	7.74	16.5	18.4	22.5	18.3	38.1	17.5	12.0	30.3	6.49	3.69	8.51
MAX	42	114	62	208	144	130	32	47	152	45	11	77
MIN	1.4	3.5	7.2	5.7	4.5	13	10	5.2	7.0	2.3	0.90	1.2
CFSM	1.04	2.23	2.48	3.03	2.46	5.13	2.35	1.62	4.08	0.88	0.50	1.15
IN.	1.20	2.49	2.86	3.49	2.56	5.92	2.63	1.87	4.56	1.01	0.57	1.28

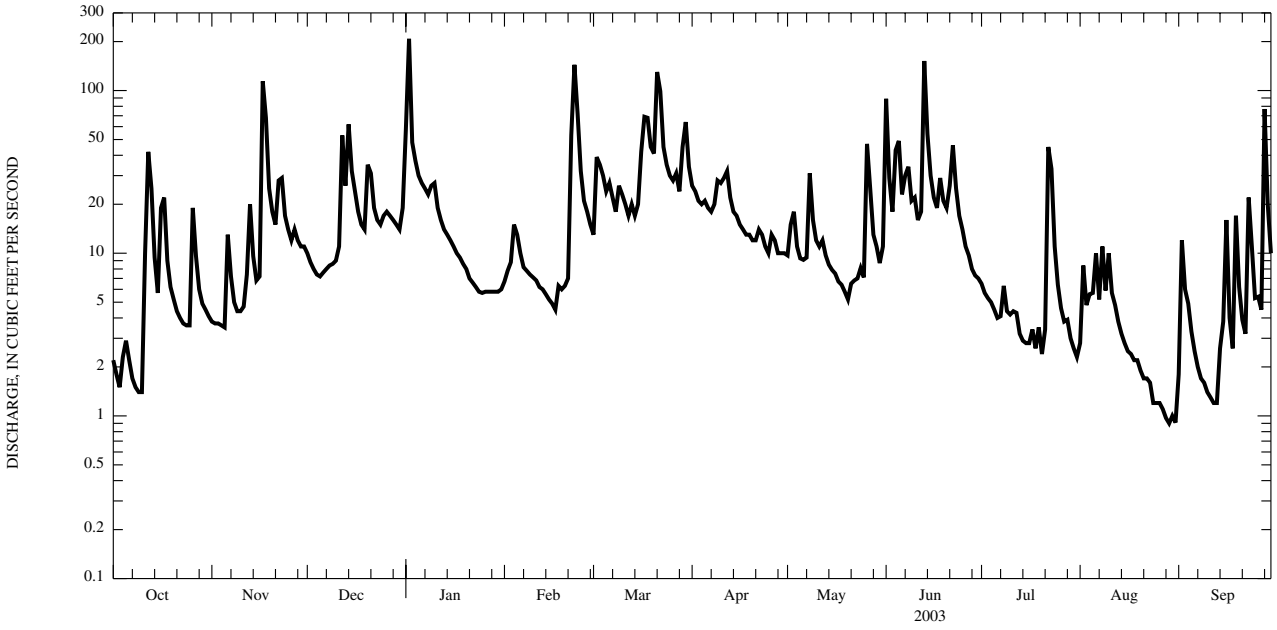
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	6.35	9.30	11.4	11.3	13.9	25.0	16.3	13.9	19.9	4.09	3.26	14.6
MAX	12.7	16.5	18.4	22.5	18.3	38.1	20.6	24.6	30.3	6.49	6.68	49.0
(WY)	(2000)	(2003)	(2003)	(2003)	(2003)	(2003)	(2001)	(2002)	(2003)	(2003)	(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)

0137499350 HUNTER BROOK SOUTH OF YORKTOWN, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	3,646.15		6,071.18			
ANNUAL MEAN	9.99		16.6		11.8	
HIGHEST ANNUAL MEAN					16.6	2003
LOWEST ANNUAL MEAN					7.13	2002
HIGHEST DAILY MEAN	114	Nov 17	208	Jan 2	896	Sep 16, 1999
LOWEST DAILY MEAN	0.26	Aug 15	0.90	Aug 29	0.07	Aug 3, 1999
ANNUAL SEVEN-DAY MINIMUM	0.42	Aug 9	1.0	Aug 25	0.09	Aug 1, 1999
ANNUAL RUNOFF (CFSM)	1.35		2.24		1.59	
ANNUAL RUNOFF (INCHES)	18.28		30.44		21.59	
10 PERCENT EXCEEDS	21		34		25	
50 PERCENT EXCEEDS	5.8		10		7.0	
90 PERCENT EXCEEDS	1.3		2.6		1.7	

e Estimated



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.--Records fair except those for estimated daily discharges, which are poor. 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, 3,910 ft^3/s, Mar. 22, gage height, 6.11 ft; minimum discharge, 16 ft^3/s, part or all of each day, Nov. 5-8, 10-16, 23, 30, Dec. 1-2; minimum gage height, 1.17 ft, Nov. 16, Dec. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	19	17	500	e330	440	1,400	438	1,370	301	295	236
2	26	20	17	2,990	e340	655	1,280	494	1,480	254	355	621
3	27	20	66	2,070	e360	1,080	1,170	676	1,060	229	406	651
4	27	20	116	1,570	e400	e820	1,090	507	1,290	205	577	477
5	27	18	127	1,160	327	e760	1,030	419	1,990	194	768	384
6	27	17	116	997	283	e720	988	378	1,510	188	702	318
7	27	17	91	872	288	e660	939	362	1,260	177	577	284
8	24	17	83	750	259	e640	965	729	1,410	191	685	271
9	21	17	115	687	230	613	991	715	1,180	176	584	221
10	21	17	111	636	221	680	1,070	577	1,030	170	734	170
11	21	17	127	543	e200	582	1,070	497	890	246	785	161
12	21	17	517	476	e180	545	1,270	563	843	331	607	190
13	21	17	509	425	e160	601	1,250	511	1,650	335	424	238
14	21	16	823	386	e150	612	1,070	358	1,790	328	337	272
15	21	16	874	e320	e140	601	977	329	1,300	321	287	370
16	21	17	655	e310	e130	777	932	323	1,040	320	261	506
17	22	20	501	e300	e140	1,360	836	273	890	333	289	413
18	21	19	349	e300	e160	2,050	740	247	910	328	467	336
19	21	17	288	e290	e180	2,270	689	234	929	350	360	438
20	21	17	450	e280	e200	2,180	644	222	845	328	261	413
21	21	17	831	e280	236	3,440	587	240	834	347	218	313
22	22	17	603	e270	355	3,740	617	261	1,310	882	200	257
23	22	17	460	e270	1,130	3,330	594	261	1,290	1,180	217	695
24	22	17	359	e270	1,260	2,750	528	283	1,060	950	211	1,210
25	22	17	422	e270	882	2,260	464	274	927	702	205	832
26	22	17	533	e270	e660	1,850	539	719	806	491	215	620
27	21	17	407	e280	e580	1,670	637	1,140	674	384	216	542
28	21	17	353	e290	e500	1,400	566	771	490	398	220	1,430
29	20	17	316	e300	---	1,330	523	557	380	339	208	1,560
30	19	17	287	e310	---	2,060	483	382	330	306	215	1,140
31	20	---	293	e320	---	1,750	---	365	---	293	209	---
TOTAL	696	525	10,816	18,992	10,281	44,226	25,939	14,105	32,768	11,577	12,095	15,569
MEAN	22.5	17.5	349	613	367	1,427	865	455	1,092	373	390	519
MAX	27	20	874	2,990	1,260	3,740	1,400	1,140	1,990	1,180	785	1,560
MIN	19	16	17	270	130	440	464	222	330	170	200	161

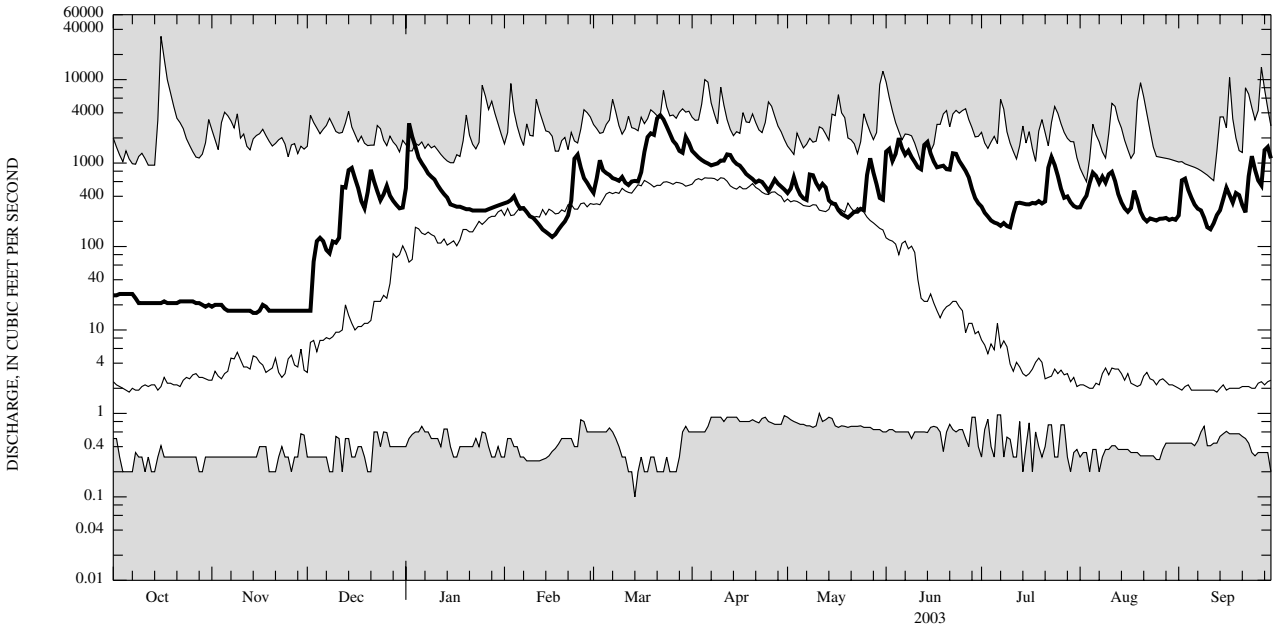
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2003, BY WATER YEAR (WY)

MEAN	168	190	303	328	408	665	688	421	241	105	108	115
MAX	3,160	1,815	1,950	1,123	1,608	1,599	2,469	1,667	1,832	921	1,179	1,177
(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)

01375000 CROTON RIVER AT NEW CROTON DAM, NEAR CROTON-ON-HUDSON, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1933 - 2003	
ANNUAL TOTAL	27,230		197,589			
ANNUAL MEAN	74.6		541		311	
HIGHEST ANNUAL MEAN					849	1956
LOWEST ANNUAL MEAN					0.90	1965
HIGHEST DAILY MEAN	1,230	Jun 7	3,740	Mar 22	33,000	Oct 16, 1955
LOWEST DAILY MEAN	16	Nov 14	16	Nov 14	0.10	Mar 14, 1965
ANNUAL SEVEN-DAY MINIMUM	17	Nov 9	17	Nov 9	0.20	Mar 12, 1965
10 PERCENT EXCEEDS	205		1,250		920	
50 PERCENT EXCEEDS	22		358		26	
90 PERCENT EXCEEDS	20		21		1.0	

e Estimated



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.--Prior to October 2002 published as maximum, minimum, and mean elevation. Elevations are not corrected for changes in water density. Blanks in tables are the result of only one high or low tide during a day or interruption of record. Satellite and telephone elevation, temperature, and specific conductance telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation (water years 1992-99, 2001-03), 7.27 ft, Dec. 11, 1992; minimum elevation (water years 1992-99, 2001-03), -4.01 ft, Mar. 4, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.33 ft, Dec. 25; minimum, -2.96 ft, Jan. 22.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.20	1.11	0.39	1.48	1.23	1.28	0.83	1.41	1.86	1.13	1.39	1.29
2	0.95	0.61	0.29	2.02	0.61	1.51	1.08	1.45	1.09	1.26	1.36	1.71
3	1.28	0.93	0.20	2.66	0.21	0.38	1.40	1.30	1.05	1.42	1.28	1.90
4	2.07	1.36	0.41	2.03	1.01	0.49	1.70	1.34	1.42	1.38	1.40	1.72
5	1.66	1.40	0.95	1.55	-0.40	0.81	2.03	1.25	1.49	1.24	1.44	1.57
6	1.26	1.90	1.43	1.59	-0.19	1.09	0.73	1.30	1.15	1.17	1.54	1.49
7	1.72	1.05	0.90	1.18	0.40	1.13	0.95	1.31	1.21	1.38	1.45	1.45
8	1.34	1.31	0.18	1.17	0.27	0.81	1.79	1.39	1.50	1.44	1.46	1.49
9	1.36	0.71	0.17	1.27	-0.14	0.85	1.53	1.31	1.85	1.42	1.44	1.80
10	1.48	1.37	0.68	1.42	0.53	0.44	1.60	1.24	1.37	1.65	1.49	1.53
11	1.79	1.33	1.30	0.35	0.24	0.60	1.92	1.54	1.43	1.82	1.50	1.19
12	2.59	1.05	1.39	-0.17	0.16	0.63	1.78	1.84	1.41	1.64	1.42	1.80
13	2.19	1.38	1.53	0.30	-0.53	0.80	1.30	1.44	1.67	1.34	---	1.60
14	1.23	1.30	2.02	-0.07	-0.44	0.90	1.04	1.40	1.68	1.20	1.15	1.43
15	1.91	1.01	0.68	0.69	0.04	0.95	1.01	1.37	1.54	1.30	1.33	1.47
16	2.90	1.39	1.09	0.41	0.09	1.08	0.96	1.69	1.50	1.41	1.54	1.35
17	1.72	2.45	1.36	0.80	1.76	1.54	2.01	1.57	1.24	1.14	1.56	1.32
18	1.54	0.53	1.34	1.08	1.66	1.89	1.89	1.12	1.32	1.24	1.61	2.08
19	1.53	0.26	1.13	1.11	1.05	2.13	1.37	0.96	1.53	1.29	1.41	2.56
20	0.99	1.16	1.72	0.23	0.64	1.98	1.33	0.98	1.66	1.31	1.05	1.53
21	1.29	1.43	1.11	-0.20	0.67	1.93	1.51	1.01	1.78	1.49	1.25	1.40
22	1.29	1.86	0.91	-0.73	1.18	1.86	1.71	1.12	1.63	1.43	1.41	1.70
23	0.92	0.02	0.78	-0.52	1.48	1.72	1.16	1.27	1.70	1.35	1.26	2.09
24	0.89	-0.15	0.70	0.36	-0.27	1.63	0.75	1.56	1.61	1.24	1.23	1.51
25	1.13	0.33	2.28	0.61	-0.09	1.59	1.37	1.34	1.54	0.99	1.23	1.74
26	2.14	1.06	0.33	0.62	0.53	1.51	1.94	1.68	1.54	0.93	1.33	1.62
27	1.10	1.16	0.95	0.27	0.94	1.33	1.44	1.49	1.63	1.02	1.46	1.86
28	0.98	0.84	1.04	0.54	1.52	1.26	1.27	1.54	1.37	1.05	1.24	2.13
29	1.13	0.91	1.09	0.54	---	1.47	1.15	1.51	1.32	1.38	1.31	1.87
30	1.49	1.11	1.09	0.69	---	1.22	1.17	1.59	1.22	1.22	1.25	1.23
31	1.57	---	1.49	0.99	---	0.89	---	1.70	---	1.29	1.17	---
MEAN	1.50	1.07	1.00	0.78	0.51	1.22	1.39	1.39	1.48	1.31	---	1.65
MAX	2.90	2.45	2.28	2.66	1.76	2.13	2.03	1.84	1.86	1.82	---	2.56
MIN	0.89	-0.15	0.17	-0.73	-0.53	0.38	0.73	0.96	1.05	0.93	---	1.19

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.06	3.06	2.98	3.77	3.44	3.22	3.09	3.65	3.47	3.58	3.28	3.59
2	2.88	2.80	2.73	4.67	3.01	3.41	3.43	3.63	3.37	3.76	3.55	3.97
3	3.29	3.21	2.51	5.26	2.22	2.14	3.62	3.74	3.41	3.11	3.38	3.98
4	4.27	3.80	3.26	4.75	3.29	2.58	4.15	3.39	2.80	3.56	3.61	3.67
5	3.97	3.86	3.51	4.04	1.19	2.70	3.75	2.64	3.71	3.39	3.55	3.62
6	3.83	4.87	4.19	3.99	1.32	2.84	1.86	3.33	3.35	3.06	3.82	3.67
7	4.36	3.71	3.35	3.12	1.70	2.65	2.32	3.26	3.04	3.27	3.72	3.63
8	3.89	3.66	2.54	2.87	1.67	2.65	3.28	3.15	3.31	3.43	3.72	3.94
9	3.84	2.92	2.38	2.93	1.59	2.69	3.32	3.32	3.83	3.50	3.88	4.19
10	3.81	3.41	2.37	3.05	1.56	1.74	3.31	3.01	3.53	4.16	3.93	3.54
11	4.03	3.18	2.82	2.05	2.09	1.77	3.76	3.42	3.89	4.27	4.01	3.46
12	4.66	2.56	3.71	1.02	2.49	2.14	3.79	3.74	4.00	4.12	3.87	3.79
13	3.94	2.84	3.14	1.94	1.05	2.01	3.23	3.58	4.57	3.79	3.67	3.62
14	3.02	2.96	3.94	1.58	1.29	2.20	3.19	3.96	4.51	3.78	3.41	3.29
15	3.64	2.59	2.28	2.69	2.13	2.74	3.42	4.14	4.29	3.76	3.48	3.24
16	5.03	3.45	3.23	2.11	2.15	2.99	3.82	4.90	4.13	3.57	3.42	3.03
17	3.71	4.37	3.37	2.90	4.21	3.71	5.29	4.24	3.09	2.94	3.38	2.98
18	3.27	3.00	3.59	3.15	4.06	4.43	4.41	3.88	3.74	3.27	3.24	3.59
19	3.35	2.61	3.25	3.45	3.14	4.74	4.08	2.84	3.69	3.15	2.91	4.19
20	2.87	3.34	4.10	2.69	2.60	4.92	3.24	3.63	3.69	2.91	2.63	3.11
21	3.29	3.61	3.63	2.17	2.65	4.02	3.97	3.33	3.51	3.09	2.98	3.28
22	3.32	4.23	3.16	1.53	2.80	4.32	4.03	2.88	3.11	3.14	3.24	3.76
23	3.16	2.02	2.89	1.65	3.86	4.09	3.61	2.99	3.26	2.95	3.12	4.05
24	3.00	2.01	2.77	2.49	1.20	3.70	2.34	3.13	3.27	3.02	3.22	3.81
25	3.17	2.52	5.33	2.66	1.91	3.53	3.03	2.87	3.37	2.96	3.52	4.12
26	4.43	3.16	2.76	2.46	2.14	3.45	3.57	3.36	3.53	3.08	3.91	3.92
27	2.80	2.76	2.59	2.52	2.74	3.17	3.27	3.32	3.72	3.42	3.80	4.36
28	2.79	2.65	2.95	2.57	3.39	2.96	3.18	3.49	3.53	3.65	3.59	4.76
29	3.09	3.08	3.27	2.69	---	3.50	3.16	3.77	3.72	3.81	3.72	4.65
30	3.40	3.25	3.18	2.76	---	3.15	3.51	3.83	3.45	3.61	3.47	3.73
31	3.47	---	3.82	3.18	---	2.95	---	4.15	---	3.69	3.51	---
MEAN	3.57	3.18	3.21	2.86	2.39	3.13	3.47	3.50	3.60	3.45	3.50	3.75
MAX	5.03	4.87	5.33	5.26	4.21	4.92	5.29	4.90	4.57	4.27	4.01	4.76
MIN	2.79	2.01	2.28	1.02	1.05	1.74	1.86	2.64	2.80	2.91	2.63	2.98

WTR YR 2003 MEAN 3.31 MAX 5.33 MIN 1.02

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.33	2.99	1.72	3.59	2.80	2.76	2.71	3.03	3.44	2.50	---	3.26
2	2.13	2.43	2.48	3.73	1.54	3.30	2.97	2.95	2.28	2.70	3.24	3.21
3	2.72	3.18	2.10	4.56	2.09	1.70	3.27	2.82	2.28	---	3.25	3.49
4	4.02	3.54	2.35	3.14	1.86	2.11	3.27	2.73	---	2.98	3.26	3.21
5	3.62	3.67	3.42	3.22	---	2.60	3.48	---	2.81	2.91	3.03	2.76
6	3.42	2.81	2.72	---	0.89	---	---	2.45	2.38	2.94	2.99	2.56
7	3.54	3.13	2.14	2.93	1.68	2.61	2.08	2.40	2.69	3.09	2.74	2.85
8	3.39	---	---	2.86	1.32	1.88	2.91	2.45	3.08	3.13	2.75	2.88
9	---	2.29	0.94	2.44	0.58	1.81	2.24	2.40	3.50	2.91	2.93	3.43
10	3.32	2.49	2.14	2.68	1.32	1.36	2.45	2.65	2.97	2.96	3.09	3.42
11	3.11	2.92	1.90	1.34	0.90	1.32	2.88	3.11	3.05	3.54	3.23	2.96
12	3.82	2.18	2.33	0.80	0.11	1.30	3.23	3.69	3.25	3.39	3.25	3.78
13	3.75	2.61	2.54	1.07	0.53	1.78	3.04	3.40	3.49	3.09	3.27	3.09
14	2.24	2.66	3.00	0.95	0.92	2.06	3.05	3.43	3.64	3.09	3.06	---
15	3.02	2.53	2.08	1.52	1.19	2.42	3.17	3.43	3.45	3.13	3.25	3.02
16	3.96	2.55	2.10	1.99	2.04	2.94	3.03	3.74	3.56	3.40	---	2.93
17	3.22	3.83	2.71	1.84	4.00	3.66	4.15	3.72	---	---	3.32	2.32
18	3.07	1.02	2.69	2.91	3.03	4.11	4.12	3.21	3.08	2.92	3.04	2.73
19	3.15	2.14	2.74	2.16	2.95	4.56	3.43	---	3.13	2.83	2.90	3.79
20	2.80	2.80	3.04	1.18	---	4.20	---	2.66	3.07	2.77	2.20	2.34
21	3.01	3.11	2.19	---	2.54	---	3.25	2.53	3.28	2.81	2.00	2.08
22	2.96	2.84	---	1.28	2.77	3.62	3.11	2.54	3.03	2.54	2.15	2.61
23	2.26	---	2.78	0.46	3.11	3.24	2.24	2.55	3.06	2.40	2.09	3.79
24	2.43	---	2.47	2.12	1.13	2.93	1.99	2.90	2.85	2.12	2.45	3.16
25	---	1.18	3.02	1.96	0.65	2.89	2.76	2.87	2.67	1.92	2.43	3.73
26	2.94	1.83	1.61	1.84	1.73	2.87	3.31	3.08	2.57	1.84	2.69	3.85
27	2.63	2.68	2.55	1.24	2.14	2.61	2.96	3.01	2.82	2.05	3.30	4.23
28	2.18	2.30	2.51	1.83	2.92	2.79	2.88	2.89	2.57	2.30	3.13	4.07
29	2.07	2.12	2.47	1.91	---	3.37	2.84	2.80	2.54	2.87	3.41	3.25
30	2.59	2.67	2.94	2.21	---	3.10	2.66	3.00	2.54	2.80	3.16	---
31	2.99	---	3.26	2.73	---	2.60	---	2.99	---	3.01	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.52	-0.68	-1.12	-0.96	-0.84	-0.35	-1.15	-0.65	0.11	-0.77	-0.69	-0.62
2	---	-1.67	-2.15	-0.30	-0.92	-0.29	-1.10	-0.45	-0.56	-0.62	-0.58	0.13
3	-0.81	-1.46	-2.08	0.70	-1.66	-0.69	-0.58	-0.42	-0.63	-0.50	-0.39	0.09
4	-0.15	-0.99	-2.07	0.39	-0.83	-1.24	-0.24	-0.45	-0.17	-0.43	-0.44	-0.22
5	-0.27	-0.91	-1.01	-0.55	-1.87	-1.09	0.58	-0.47	-0.09	-0.51	-0.20	---
6	-1.16	-0.21	-0.71	-0.49	-1.60	-0.73	-1.00	-0.23	-0.43	-0.43	-0.41	-0.37
7	-0.53	-1.02	-1.20	-0.47	-0.90	-0.49	-0.22	-0.05	-0.16	-0.25	-0.43	-0.53
8	-0.95	-0.63	-1.62	-0.07	-0.80	-0.73	0.49	0.10	-0.13	-0.40	---	-0.66
9	-0.73	-0.88	-1.00	0.10	-1.40	-0.04	0.40	-0.10	-0.15	---	-0.75	-0.21
10	-0.41	-0.23	-0.63	0.59	-0.26	-0.43	0.54	-0.39	---	-0.60	-0.61	-0.43
11	0.29	-0.01	0.47	-0.42	-0.28	-0.28	0.40	0.17	-0.77	-0.28	-0.75	-0.98
12	1.16	-0.43	0.31	-1.36	---	-0.22	---	---	-0.79	-0.54	-0.74	-0.04
13	0.57	0.23	0.31	---	-1.92	-0.24	-0.51	-0.63	-0.89	-0.69	---	-0.28
14	-0.28	---	---	-1.42	-2.25	---	-1.05	-1.03	-0.67	-1.04	-0.93	-0.28
15	0.42	-0.61	-0.94	-0.95	-1.71	-0.62	-1.26	-1.13	-0.83	-0.86	-0.50	-0.08
16	---	-0.47	-0.74	-1.29	-2.03	-1.06	-1.59	-0.91	-0.73	-0.55	0.00	-0.13
17	-0.08	1.01	-0.45	-0.99	0.18	-0.76	-0.40	-0.72	-0.95	-0.68	0.12	0.28
18	0.01	0.04	-0.40	-0.73	-0.22	-0.43	-0.30	-1.23	-0.48	-0.42	0.44	1.45
19	-0.13	-1.38	-0.90	-0.66	-1.04	-0.23	-0.89	-1.23	-0.01	-0.12	0.09	0.96
20	-0.92	-0.70	0.08	-1.46	-1.28	-0.29	-0.90	-0.94	0.42	0.15	-0.19	0.01
21	-0.63	-0.56	-0.70	-2.12	-1.30	-0.18	-0.35	-0.61	0.29	0.35	0.13	---
22	-0.72	0.13	-0.90	-2.67	-0.14	-0.08	-0.01	-0.05	0.31	0.04	-0.11	-0.05
23	-0.80	-1.20	-1.13	-2.08	0.35	0.03	-0.59	0.01	0.31	0.02	---	0.21
24	-0.86	-1.85	-1.20	-1.70	-1.55	0.07	-0.49	-0.01	---	---	-0.48	-0.55
25	-0.54	-0.98	0.13	-0.98	-1.73	0.21	-0.10	---	0.09	-0.46	-0.65	-0.55
26	0.79	-0.48	-1.35	-1.15	---	-0.21	---	-0.23	0.00	-0.74	-0.82	-0.73
27	-0.20	-0.08	-0.72	---	-0.87	---	0.14	0.12	-0.03	-0.79	-0.60	-0.51
28	-0.30	-0.69	-0.67	-1.45	-0.41	-0.57	-0.49	-0.23	-0.42	-0.87	-1.00	-0.12
29	-0.35	-0.80	---	-1.60	---	-0.62	-0.63	-0.38	-0.58	-0.65	-0.96	-0.28
30	-0.07	---	-1.06	-1.44	---	-0.68	-0.97	-0.37	-0.64	-0.80	-1.02	-0.66
31	---	---	-0.80	-1.14	---	-0.69	---	-0.19	---	-0.73	-0.80	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.75	-0.88	-2.06	-0.99	-0.89	-0.72	-1.56	-0.79	0.05	-0.92	-0.73	-0.95
2	-1.04	-1.88	-2.39	-0.30	-1.68	-0.64	-1.12	-0.81	-0.88	-0.80	-0.88	-0.56
3	-0.86	-1.70	-2.11	-0.07	-1.90	-2.09	-0.92	-0.91	-0.89	-0.56	-0.94	-0.19
4	-0.45	-1.31	-2.34	-0.59	-0.95	-1.45	-0.56	-0.58	-0.48	-0.58	-0.77	-0.23
5	-0.77	-1.25	-2.22	-0.78	-2.46	-1.35	0.00	-0.53	-0.29	-0.76	-0.89	-0.40
6	-1.48	-0.29	-0.85	-0.53	-1.88	-0.77	-1.02	-0.31	-0.58	-0.98	-0.61	-0.48
7	-0.67	-1.44	-1.21	-0.66	-1.02	-0.68	-1.02	-0.26	-0.79	-0.82	-0.79	-0.61
8	-1.10	-0.73	-1.69	-0.84	-1.00	-0.74	0.44	-0.15	-0.54	-0.80	-0.74	-0.70
9	-1.00	-1.40	-1.86	-0.46	-1.44	-0.88	0.22	-0.38	-0.26	-0.82	-0.90	-0.44
10	-0.76	-0.49	-1.04	-0.46	-0.66	-0.88	0.08	-0.71	-1.16	-0.88	-0.88	-0.75
11	-0.42	-0.64	-0.44	-1.62	-1.35	-0.47	0.28	-0.71	-1.14	-0.58	-0.86	-1.03
12	0.75	-0.44	-1.15	-1.49	-1.98	-0.66	-0.12	-0.45	-1.28	-0.80	-0.88	-0.42
13	0.28	-0.74	0.12	-0.68	-2.29	-0.66	-1.04	-1.04	-1.03	-1.17	-0.98	-0.30
14	-0.30	-0.05	1.04	-2.46	-2.38	-0.77	-1.55	-1.21	-0.93	-1.19	-1.14	-0.73
15	0.37	-0.74	-1.18	-0.97	-1.99	-1.06	-1.62	-1.40	-0.95	-0.96	-1.09	-0.48
16	1.97	-0.97	-0.85	-1.70	-2.14	-1.09	-1.71	-1.13	-0.94	-0.81	-0.71	-0.20
17	-0.27	0.48	-0.90	-1.22	-1.33	-0.90	-1.00	-1.10	-0.97	-1.11	-0.45	-0.27
18	-0.50	-1.93	-0.82	-1.32	-0.63	-0.63	-0.86	-1.34	-0.86	-0.86	-0.34	0.55
19	-0.46	-2.55	-0.99	-0.85	-1.09	-0.43	-1.09	-1.33	-0.65	-0.75	-0.29	0.64
20	-0.98	-1.18	-0.61	-2.07	-1.57	-0.51	-0.91	-1.23	-0.54	-0.66	-0.56	-0.11
21	-0.84	-0.63	-1.19	-2.45	-1.32	-0.41	-0.80	-1.03	-0.10	-0.42	-0.41	-0.05
22	-0.73	-0.24	-1.39	-2.96	-0.97	-0.12	-0.39	-0.89	-0.26	-0.35	-0.12	-0.24
23	-1.30	-2.13	-1.28	-2.86	-1.49	-0.07	-0.77	-0.62	-0.14	-0.46	-0.22	0.17
24	-1.09	-1.87	-1.54	-1.80	-2.11	-0.08	-1.13	-0.24	-0.23	-0.57	-0.70	-0.76
25	-0.74	-1.64	0.05	-1.38	-1.95	-0.09	-0.53	-0.51	-0.27	-0.69	-0.80	-0.63
26	0.30	-0.61	-1.74	-1.22	-1.19	-0.43	0.23	-0.24	-0.34	-0.77	-0.88	-0.89
27	-0.70	-0.86	-1.15	-1.68	-0.99	-0.65	-0.73	-0.68	-0.22	-0.89	-0.92	-0.85
28	-0.49	-1.35	-1.21	-2.05	-0.47	-0.93	-0.91	-0.45	-0.55	-1.00	-1.24	-0.26
29	-0.49	-1.38	-0.68	-1.71	---	-0.84	-1.21	-0.44	-0.64	-0.78	-1.14	-0.34
30	-0.28	-1.01	-1.64	-1.66	---	-0.92	-1.03	-0.48	-0.81	-0.94	-1.05	-1.02
31	-0.31	---	-1.00	-1.22	---	-1.54	---	-0.34	---	-0.91	-1.31	---
MEAN	-0.49	-1.06	-1.17	-1.32	-1.47	-0.76	-0.74	-0.72	-0.62	-0.79	-0.78	-0.42
MAX	1.97	0.48	1.04	-0.07	-0.47	-0.07	0.44	-0.15	0.05	-0.35	-0.12	0.64
MIN	-1.48	-2.55	-2.39	-2.96	-2.46	-2.09	-1.71	-1.40	-1.28	-1.19	-1.31	-1.03

WTR YR 2003 MEAN -0.86 MAX 1.97 MIN -2.96

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. Interruption of record was due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum (water years 1992-97, 1999-2003), 31,100 µS/cm, Dec. 11, 1992; minimum (water years 1992-97, 1999-2003), 76 µS/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, 30,400 µS/cm, Feb. 17; minimum, 207 µS/cm, Apr. 2, 3.
WATER TEMPERATURE: Maximum, 28.5°C, Aug. 22; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23,600	16,800	19,100	18,100	10,700	13,800	9,520	4,180	6,430	16,300	7,190	10,000
2	24,300	15,900	19,100	17,400	11,200	14,300	8,750	3,500	5,410	11,900	6,660	8,980
3	24,800	18,500	20,800	18,300	12,500	14,800	6,720	2,800	4,200	15,300	6,400	8,930
4	26,900	20,300	23,100	20,100	12,800	15,600	12,500	2,530	5,110	9,330	4,580	6,400
5	25,700	19,700	22,100	19,600	12,000	15,000	14,500	2,540	6,880	8,140	3,370	5,190
6	25,200	18,000	21,100	22,500	12,700	15,800	17,200	5,060	8,370	7,280	1,910	4,300
7	26,500	19,700	22,000	16,000	11,200	13,000	13,100	3,600	7,350	5,220	1,440	2,830
8	25,200	18,600	21,200	18,400	11,100	14,000	9,820	2,940	5,830	4,250	1,880	2,850
9	25,200	19,000	21,600	14,100	9,570	11,500	10,900	2,610	4,760	5,160	1,750	3,310
10	25,700	19,100	21,800	17,300	10,300	12,300	12,300	3,610	6,150	6,160	2,420	4,030
11	26,400	19,600	21,900	14,100	9,520	11,500	13,800	4,030	8,490	5,430	1,990	2,850
12	26,100	18,700	21,600	13,100	9,080	10,900	16,300	5,950	9,240	4,660	1,850	3,140
13	22,900	17,200	19,800	14,200	9,340	11,500	20,600	4,990	10,400	7,580	2,620	4,550
14	19,500	15,700	16,900	14,900	8,480	10,700	19,000	6,420	11,500	11,500	3,860	6,920
15	21,900	16,100	18,700	12,300	7,410	9,450	12,400	6,590	9,770	15,900	6,590	9,260
16	22,900	17,300	20,400	16,200	8,060	10,800	14,200	9,370	11,300	14,500	5,930	9,730
17	20,500	15,300	17,100	17,500	10,200	13,700	14,700	9,900	12,500	18,300	9,050	12,500
18	17,800	14,300	16,300	13,000	8,220	9,440	16,300	12,000	13,700	22,400	10,200	14,700
19	18,300	14,600	16,600	12,500	7,480	9,520	18,200	12,200	13,900	22,400	13,200	15,900
20	17,000	14,300	15,500	12,800	8,190	9,850	20,200	12,300	14,700	17,100	11,200	14,100
21	16,600	14,000	15,200	11,000	6,560	8,460	16,700	9,580	11,800	15,600	10,900	12,600
22	16,900	13,700	14,900	11,000	5,380	7,140	11,800	8,240	9,720	14,100	10,000	11,800
23	15,900	12,500	14,000	7,100	1,800	3,630	9,720	6,840	8,250	14,400	9,470	10,900
24	16,900	12,600	14,100	3,140	1,310	2,320	8,280	5,910	7,120	16,600	10,400	13,400
25	17,100	12,800	14,400	4,270	1,220	2,080	16,300	6,400	9,470	21,200	11,700	14,700
26	22,700	12,500	16,400	6,800	1,510	3,340	8,340	4,320	5,780	18,900	12,500	14,900
27	15,100	10,600	12,900	8,750	3,230	5,370	11,600	4,210	7,200	17,100	11,900	14,500
28	14,100	9,760	11,900	8,920	3,110	5,220	11,000	4,480	7,400	20,900	11,800	15,200
29	15,100	9,350	12,300	14,800	3,420	6,550	13,700	4,910	8,070	21,800	12,900	15,400
30	15,900	9,700	13,300	11,200	6,000	8,040	13,700	5,460	9,170	21,800	12,900	15,600
31	18,600	10,700	13,900	---	---	---	17,800	7,240	10,800	22,800	12,800	16,000
MONTH	26,900	9,350	17,700	22,500	1,220	9,990	20,600	2,530	8,730	22,800	1,440	9,850

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	23,800	12,500	16,300	19,500	10,400	13,900	295	213	229	15,800	8,630	10,300
2	19,900	11,200	14,200	20,100	11,700	14,700	2,570	207	330	14,000	8,000	9,500
3	17,100	10,600	13,100	15,900	8,420	11,000	2,260	207	899	10,100	6,110	7,680
4	23,400	11,200	14,900	15,600	9,010	11,200	4,380	658	2,120	12,000	5,050	7,430
5	14,200	8,440	10,900	15,800	8,170	10,900	6,300	1,550	3,140	9,120	3,910	6,250
6	14,100	8,680	10,900	13,300	8,590	10,600	3,550	810	1,870	9,350	3,470	6,090
7	14,600	7,630	11,100	13,600	8,190	10,600	5,720	1,490	2,930	9,400	3,310	5,660
8	14,100	7,640	9,520	14,800	6,600	9,700	7,990	2,520	4,520	8,740	3,500	5,730
9	11,400	6,280	8,260	14,600	5,890	8,680	7,760	2,500	4,560	11,400	3,680	6,070
10	15,100	6,270	9,470	10,600	5,520	7,440	9,230	3,800	5,990	10,200	3,930	6,170
11	10,600	5,840	7,690	12,000	5,650	7,210	15,300	4,070	8,770	15,300	5,220	8,160
12	17,600	6,190	9,240	9,600	5,620	7,220	13,700	6,270	9,860	16,900	5,820	10,200
13	14,200	6,490	9,640	15,000	5,210	8,480	14,100	7,990	10,400	13,100	6,930	9,300
14	15,600	8,470	11,900	16,000	7,220	11,200	15,800	9,240	11,300	11,400	7,310	9,390
15	21,200	11,700	15,200	15,600	7,670	10,600	14,100	11,000	12,500	10,800	6,110	8,110
16	22,100	13,900	17,000	20,900	8,940	13,200	13,800	9,890	11,400	13,800	5,660	7,530
17	30,400	17,200	21,900	22,400	11,100	15,800	17,700	10,100	11,600	13,700	4,430	6,820
18	26,800	17,700	21,200	19,200	13,000	15,000	17,700	8,470	10,900	11,000	3,550	5,480
19	22,900	17,800	19,700	15,600	11,300	13,000	11,800	6,670	8,490	9,790	2,860	4,680
20	21,800	15,500	18,300	12,900	7,810	10,300	9,850	5,690	7,310	8,560	2,850	4,510
21	20,600	15,300	17,600	10,300	4,150	7,220	10,300	5,180	6,770	10,200	3,070	4,830
22	21,200	15,400	18,000	6,200	773	3,160	11,500	4,050	6,340	7,510	3,200	5,440
23	25,600	13,100	18,100	1,460	387	698	8,070	2,640	4,940	12,300	4,290	7,490
24	16,400	12,100	13,800	461	324	382	5,530	2,410	3,860	16,400	4,810	10,100
25	15,900	11,100	13,000	359	316	335	8,680	3,150	5,680	15,200	5,060	8,850
26	18,400	11,200	13,400	358	303	323	16,500	4,690	8,610	16,000	6,880	10,900
27	16,600	11,100	13,600	645	301	365	13,700	5,090	7,980	14,800	6,410	9,760
28	20,700	11,600	14,700	1,110	285	502	11,600	4,120	7,370	16,800	7,440	10,000
29	---	---	---	2,220	272	962	11,000	5,230	7,840	14,800	8,450	10,200
30	---	---	---	1,250	247	466	14,700	6,710	9,150	15,200	8,620	10,900
31	---	---	---	428	230	247	---	---	---	14,800	9,640	11,300
MONTH	30,400	5,840	14,000	22,400	230	7,590	17,700	207	6,590	16,900	2,850	7,900
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15,600	8,280	11,100	17,900	11,300	13,600	23,000	15,200	18,000	23,100	16,400	18,900
2	10,300	6,730	8,410	19,200	11,500	14,200	22,100	15,300	17,300	23,700	15,900	18,800
3	12,400	5,560	7,260	21,500	12,900	15,400	19,100	14,100	16,400	22,800	15,300	18,300
4	8,940	4,990	6,480	19,100	12,500	14,900	18,500	13,300	15,500	20,800	13,900	17,100
5	8,760	3,810	6,040	17,600	12,100	14,200	19,200	11,800	14,500	18,200	11,500	15,400
6	7,550	3,740	5,150	17,300	11,600	14,000	18,000	10,300	13,300	19,600	11,600	14,600
7	7,520	3,730	5,440	18,500	11,700	14,500	16,500	9,860	12,100	19,600	10,900	15,000
8	11,500	4,450	7,000	19,400	11,400	14,600	17,700	9,260	11,600	22,200	11,500	15,200
9	12,200	4,500	7,360	18,400	12,300	14,800	18,500	9,160	12,100	23,600	12,900	16,500
10	---	---	---	24,400	13,400	16,500	17,600	9,260	12,100	20,600	12,800	16,300
11	---	---	---	22,900	14,100	17,300	14,600	8,110	10,700	19,100	13,100	15,600
12	---	---	---	22,000	14,000	16,600	14,600	5,950	8,490	21,500	14,600	17,600
13	---	---	---	21,700	14,000	16,100	10,800	4,040	6,190	21,500	11,500	16,500
14	---	---	---	20,200	14,000	15,900	7,390	2,980	4,330	20,300	12,700	16,000
15	---	---	---	20,300	14,000	15,900	7,630	2,830	4,300	19,800	12,600	15,700
16	---	---	---	21,000	14,300	16,100	9,280	3,470	5,290	20,500	11,400	14,800
17	9,800	2,310	4,310	17,300	13,300	15,000	10,200	3,880	6,100	19,400	9,550	15,100
18	8,670	2,240	4,080	17,800	13,400	15,000	13,400	4,220	7,800	20,900	12,400	17,200
19	8,450	2,750	4,600	18,100	13,200	15,200	13,300	3,690	7,710	26,500	11,200	20,500
20	8,510	3,180	5,560	18,900	12,200	15,200	12,500	3,730	6,530	20,700	12,100	16,500
21	10,600	3,710	6,820	20,100	12,800	15,300	16,500	4,540	8,100	19,200	11,500	14,300
22	12,400	4,430	7,600	19,100	12,300	15,300	16,000	4,320	8,140	22,400	9,850	14,700
23	11,200	3,860	6,820	17,100	11,200	14,000	16,000	6,320	9,890	22,700	13,300	17,400
24	11,600	4,390	7,100	16,800	10,300	13,200	17,900	7,960	12,100	18,900	11,700	14,700
25	13,600	5,380	7,980	17,500	10,900	12,800	21,700	9,330	13,700	17,700	11,200	13,900
26	15,800	6,000	9,510	17,200	10,100	12,700	25,400	12,000	15,600	16,500	9,900	12,400
27	15,700	7,520	10,800	21,900	10,700	13,600	25,000	13,900	17,600	17,800	10,200	12,700
28	18,300	8,290	11,000	22,700	12,100	14,400	22,100	15,600	18,000	16,700	8,810	11,800
29	18,500	8,880	11,700	23,400	13,400	16,300	22,600	16,500	18,800	11,200	7,140	8,880
30	19,000	10,400	12,800	23,400	14,100	16,700	22,900	15,900	18,500	8,220	5,460	6,620
31	---	---	---	22,600	15,700	17,600	22,100	15,300	18,400	---	---	---
MONTH	---	---	---	24,400	10,100	15,100	25,400	2,830	11,900	26,500	5,460	15,300

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.0	21.0	21.5	13.0	12.0	12.5	6.5	5.5	6.0	3.5	2.5	3.0
2	23.0	21.5	22.0	12.5	12.0	12.5	6.0	5.0	5.5	3.0	2.5	3.0
3	22.5	22.0	22.0	12.5	11.5	12.0	5.5	4.0	4.5	3.0	2.5	2.5
4	22.0	21.5	21.5	12.5	11.5	12.0	5.5	3.5	4.5	2.5	2.0	2.0
5	22.5	21.5	22.0	12.0	11.5	11.5	5.5	3.5	4.0	2.5	1.5	2.0
6	22.0	21.5	21.5	12.0	11.0	11.5	5.0	3.5	4.0	2.0	1.5	2.0
7	22.0	21.0	21.5	11.0	10.5	11.0	4.5	2.5	3.5	2.0	1.0	1.5
8	21.5	20.5	21.0	11.0	10.0	10.5	4.0	3.0	3.5	1.5	1.0	1.5
9	21.0	20.0	20.5	11.0	10.5	10.5	4.0	2.5	3.0	1.5	1.0	1.5
10	20.5	20.0	20.0	11.0	10.5	10.5	3.5	2.0	2.5	2.0	1.5	1.5
11	20.0	19.5	20.0	11.5	11.0	11.0	3.5	2.5	3.0	1.5	1.0	1.0
12	19.5	19.0	19.5	11.5	11.0	11.5	4.0	3.0	3.5	1.0	0.5	1.0
13	19.0	18.5	19.0	11.5	11.0	11.0	5.0	3.5	4.0	1.0	0.5	0.5
14	19.0	18.5	19.0	11.5	11.0	11.0	5.0	4.0	4.5	1.5	0.0	0.5
15	18.5	17.5	18.5	11.5	11.0	11.0	4.5	4.0	4.5	1.5	0.0	0.5
16	18.5	17.0	18.0	11.5	11.0	11.0	4.5	4.0	4.5	1.0	0.0	0.5
17	18.0	17.0	17.5	11.0	10.0	10.5	4.0	3.5	3.5	1.5	0.0	0.5
18	18.0	17.0	17.5	10.5	9.5	10.0	4.0	3.0	3.5	2.0	0.0	0.5
19	17.5	16.5	17.0	10.5	9.5	10.0	4.0	3.0	3.5	1.5	0.0	0.5
20	17.0	16.5	17.0	10.0	9.5	10.0	4.5	3.5	4.0	0.5	0.0	0.0
21	17.0	16.5	16.5	10.0	9.5	9.5	4.0	3.5	3.5	0.0	0.0	0.0
22	16.5	16.0	16.0	10.0	9.5	9.5	3.5	3.5	3.5	0.0	0.0	0.0
23	16.0	15.5	16.0	9.5	8.0	9.0	3.5	3.5	3.5	0.0	0.0	0.0
24	15.5	15.0	15.5	8.5	7.5	8.0	3.5	3.0	3.5	0.0	0.0	0.0
25	15.5	14.5	15.0	8.5	7.5	8.0	3.5	2.5	3.0	0.0	0.0	0.0
26	15.5	14.5	15.0	8.5	7.5	7.5	2.5	2.0	2.5	0.0	0.0	0.0
27	15.0	14.5	14.5	8.0	7.0	7.5	3.0	2.0	2.5	0.0	0.0	0.0
28	14.5	14.0	14.5	7.5	6.0	6.5	2.5	2.0	2.5	0.0	0.0	0.0
29	14.5	13.5	14.0	7.5	5.5	6.0	3.0	2.0	2.5	0.0	0.0	0.0
30	14.0	13.0	13.5	7.0	6.0	6.5	3.0	2.0	2.5	0.0	0.0	0.0
31	13.5	12.0	13.0	---	---	---	3.5	2.5	3.0	0.0	0.0	0.0
MONTH	23.0	12.0	18.1	13.0	5.5	10.0	6.5	2.0	3.6	3.5	0.0	0.8
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	1.0	0.5	1.0	6.0	5.0	5.5	12.0	10.5	11.0
2	0.0	0.0	0.0	1.0	1.0	1.0	6.0	5.0	5.5	13.0	11.0	11.5
3	0.0	0.0	0.0	1.0	0.5	1.0	6.0	5.5	5.5	12.5	11.5	12.0
4	0.0	0.0	0.0	1.0	0.5	0.5	6.0	5.5	6.0	12.5	11.5	12.0
5	0.5	0.0	0.0	1.5	1.0	1.0	6.0	5.5	6.0	12.5	12.0	12.0
6	0.0	0.0	0.0	1.0	0.5	1.0	6.5	5.5	6.0	12.5	12.0	12.0
7	0.0	0.0	0.0	1.5	0.0	0.5	6.0	5.5	5.5	14.0	12.0	12.5
8	0.5	0.0	0.0	2.0	0.5	1.0	5.5	5.0	5.5	13.5	12.5	13.0
9	0.0	0.0	0.0	2.0	1.0	1.5	5.5	5.5	5.5	14.0	12.5	13.5
10	0.5	0.0	0.0	1.5	1.0	1.5	6.0	5.0	5.5	15.0	13.0	14.0
11	0.5	0.0	0.0	1.5	0.5	1.0	6.0	5.5	6.0	14.5	13.0	14.0
12	0.5	0.0	0.0	2.5	1.0	1.5	7.5	5.5	6.5	14.5	12.5	13.5
13	0.5	0.0	0.0	2.0	2.0	2.0	7.5	6.0	7.0	13.5	13.0	13.5
14	0.0	0.0	0.0	2.5	1.5	2.0	8.5	6.5	7.5	14.0	13.0	13.5
15	0.5	0.0	0.0	3.0	1.5	2.5	8.5	7.0	7.5	14.0	13.5	14.0
16	0.0	0.0	0.0	4.0	2.0	3.0	9.0	7.5	8.5	14.5	13.5	14.0
17	0.0	0.0	0.0	4.5	2.5	3.5	8.5	8.0	8.5	15.0	13.5	14.5
18	0.0	0.0	0.0	4.0	3.0	3.5	8.5	8.0	8.5	15.0	14.0	14.5
19	0.0	0.0	0.0	4.0	3.5	4.0	8.5	8.0	8.5	15.5	14.0	15.0
20	0.0	0.0	0.0	4.0	3.5	4.0	9.0	8.5	8.5	17.0	14.5	15.5
21	0.0	0.0	0.0	4.0	3.5	4.0	10.0	8.5	9.0	15.5	15.0	15.5
22	0.0	0.0	0.0	4.0	3.5	3.5	9.5	9.0	9.0	15.5	15.0	15.0
23	0.5	0.0	0.0	4.0	3.0	3.5	9.0	8.5	9.0	15.5	14.5	15.0
24	0.5	0.0	0.0	3.5	2.5	3.0	9.0	8.0	8.5	15.0	14.5	14.5
25	0.5	0.0	0.0	4.0	3.0	3.5	10.0	8.5	9.5	15.5	14.5	15.0
26	0.5	0.0	0.0	5.5	3.5	4.5	10.0	9.0	9.5	15.5	14.5	15.0
27	0.5	0.0	0.5	6.5	4.5	5.5	10.5	9.0	9.5	17.0	14.5	15.5
28	1.0	0.0	0.5	6.5	5.0	5.5	11.5	9.5	10.5	17.0	15.0	16.0
29	---	---	---	6.5	5.0	6.0	11.0	10.5	11.0	18.0	15.5	16.5
30	---	---	---	7.0	6.0	6.5	12.0	10.5	11.0	18.0	16.0	17.0
31	---	---	---	6.5	6.0	6.0	---	---	---	17.0	16.0	16.5
MONTH	1.0	0.0	0.0	7.0	0.0	2.9	12.0	5.0	7.7	18.0	10.5	14.1

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	16.0	16.5	24.0	21.5	22.5	25.5	24.0	25.0	24.5	23.5	24.0
2	17.5	16.0	16.5	23.5	22.0	23.0	25.5	24.0	25.0	24.0	23.0	23.5
3	17.5	16.5	17.0	23.0	22.0	22.5	26.0	25.0	25.5	23.5	23.0	23.0
4	17.0	16.5	16.5	24.5	22.0	23.0	26.0	25.0	25.5	23.5	23.0	23.5
5	17.5	16.5	17.0	25.0	22.5	24.0	26.5	25.0	26.0	24.5	23.0	23.5
6	18.0	16.5	17.0	25.0	23.0	24.5	26.5	25.5	26.0	24.5	23.0	23.5
7	17.5	17.0	17.5	25.0	23.5	24.5	27.0	25.5	26.0	24.5	23.0	23.5
8	17.5	16.5	17.0	26.0	23.5	25.0	26.5	25.5	26.0	24.5	23.0	23.5
9	18.5	16.5	17.5	25.5	24.0	24.5	27.0	25.0	26.0	24.0	23.0	23.5
10	19.5	17.0	18.0	24.5	23.0	24.0	26.5	25.5	26.0	24.5	23.0	23.5
11	19.0	17.5	18.0	24.5	23.0	23.5	27.0	25.5	26.5	24.0	23.0	23.5
12	19.5	18.0	18.5	25.0	23.0	24.0	27.5	26.0	26.5	23.5	23.0	23.0
13	19.0	18.0	18.5	25.0	23.5	24.0	27.5	26.5	27.0	23.0	22.5	23.0
14	20.0	18.0	19.0	25.0	23.5	24.0	27.5	26.5	27.5	23.5	22.5	23.0
15	20.0	18.5	19.5	25.5	23.5	24.5	28.0	27.0	27.5	23.5	23.0	23.0
16	20.0	19.0	19.5	25.0	23.5	24.5	28.0	27.0	27.5	23.5	23.0	23.0
17	21.0	19.0	20.0	25.5	24.0	24.5	27.5	26.5	27.0	23.5	23.0	23.0
18	20.0	19.5	20.0	25.0	24.0	24.5	27.0	26.0	26.5	23.0	22.5	23.0
19	20.5	19.5	20.0	25.0	24.0	24.5	27.5	26.0	26.5	23.0	22.0	22.5
20	20.5	19.5	20.0	25.5	24.0	25.0	28.0	26.5	27.0	24.0	22.5	23.0
21	20.0	19.5	19.5	25.5	24.0	24.5	28.0	26.0	27.0	23.5	22.5	23.0
22	19.5	19.0	19.5	25.0	24.0	24.5	28.5	26.0	27.5	23.0	22.5	23.0
23	21.0	19.0	20.0	25.5	24.5	25.0	27.5	25.5	27.0	23.0	22.0	22.5
24	22.5	20.0	21.0	26.0	25.0	25.0	26.0	24.5	25.5	23.0	22.0	22.5
25	23.0	20.5	21.5	26.5	25.0	25.5	26.0	24.0	25.0	22.5	22.0	22.5
26	24.5	21.0	22.0	27.0	25.0	26.0	26.0	23.5	25.0	22.5	22.0	22.0
27	25.0	21.0	23.0	26.5	24.5	25.5	26.0	23.5	25.0	22.5	22.0	22.0
28	24.0	21.5	22.5	26.5	24.0	25.5	25.5	24.0	24.5	22.5	22.0	22.0
29	23.5	21.5	22.5	27.0	24.5	25.5	25.0	24.0	24.5	22.0	21.5	22.0
30	23.5	21.5	22.5	26.0	24.5	25.5	25.0	24.0	24.5	22.0	21.5	21.5
31	---	---	---	25.5	24.5	25.0	24.5	24.0	24.5	---	---	---
MONTH	25.0	16.0	19.2	27.0	21.5	24.5	28.5	23.5	26.0	24.5	21.5	22.9
YEAR	28.5	0.0	12.6									

HUDSON RIVER BASIN

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, 2,980 mil ft^3, May 13, elevation, 551.5 ft; minimum observed, 610 mil ft^3, Feb. 21, 22, 23, elevation, 523.0 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.

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, 3,490 mil ft^3, Apr. 23, elevation, 1,226.3 ft; minimum, 851 mil ft^3, Mar. 18, elevation, 1,196.1 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, 51,228 mil gal, Sept. 28, elevation, 591.71 ft, in East basin, 82,859 mil gal, Sept. 29, elevation, 588.40 ft; minimum observed, in West basin, 33,159 mil gal, Oct. 11, elevation, 572.22 ft, in East basin, 52,763 mil gal, Oct. 2, elevation, 568.95 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, 52,122 mil gal, Aug. 17, elevation, 839.54 ft; minimum observed, 45,480 mil gal, Jan. 16, elevation, 829.45 ft.

HUDSON RIVER BASIN

RESERVOIRS IN HUDSON RIVER BASIN--Continued

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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		1,206.2	1,529	
Oct 31.	544.7	2,210	+ 52.3	1,215.1	2,269	+276
Nov.30	544.5	2,190	- 7.70	1,217.6	2,510	+ 93.0
Dec.31	541.7	1,910	-105	1,211.2	1,927	-218
CAL YR 2002	--	--	- 0.63	--	--	+ 20.8
Jan.31	528.4	884	-383	1,199.0	1,031	-335
Feb.28	525.0	700	- 76.1	1,203.1	1,305	+113
Mar.31	550.6	2,872	+811	1,222.4	3,016	+639
Apr.30	550.6	2,872	0.0	1,224.5	3,260	+ 94.1
May 31	551.0	2,920	+ 17.9	1,224.3	3,236	- 8.97
June 30	549.6	2,752	- 64.8	1,221.4	2,904	-128
July 31	549.0	2,680	- 26.9	1,223.4	3,131	+ 84.7
Aug. 31	547.6	2,526	- 57.5	1,219.2	2,670	-172
Sept. 30	546.1	2,361	- 63.7	1,219.7	2,720	+ 19.3
WTR YR 2003	--	--	+ 9.23	--	--	+ 37.8

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	575.39	35,779		569.04	52,884		835.52	49,422	
Oct 31.	579.86	39,677	+195	573.98	59,907	+ 351	832.28	47,298	-106
Nov.30	587.11	46,540	+354	576.78	64,120	+ 217	833.79	48,282	+ 50.8
Dec.31	589.96	49,378	+142	583.93	75,428	+ 564	834.87	48,992	+ 35.4
CAL YR 2002	--	--	+ 90.3	--	--	+ 193	--	--	+ 2.0
Jan.31	585.04	44,478	-245	586.04	78,900	+ 173	831.25	46,631	-118
Feb.28	578.58	38,561	-327	585.98	78,799	- 5.58	832.02	47,129	+ 27.5
Mar.31	590.69	50,148	+578	587.97	82,138	+ 167	837.65	50,843	+185
Apr.30	590.02	49,439	- 36.6	586.94	80,410	- 89.1	837.16	50,514	- 17.0
May 31	590.32	49,757	+ 15.9	587.45	81,265	+ 42.7	838.99	51,747	+ 61.5
June 30	590.04	49,460	- 15.3	586.77	80,124	- 58.8	838.95	51,720	- 1.4
July 31	587.83	47,257	-110	585.29	77,642	- 124	838.93	51,706	- 0.7
Aug. 31	588.18	47,605	+ 17.4	586.31	79,353	+ 85.4	837.82	50,957	- 37.4
Sept. 30	590.51	49,958	+121	588.15	82,440	+ 159	838.22	51,227	+ 13.9
WTR YR 2003	--	--	+ 60.1	--	--	+ 125	--	--	+ 7.7

† Elevation at 2400 hours by interpolation.
* Elevation at 2400 hours.
†† Elevation at 0800 hours on last day of month.
** Elevation at daily reading on first day of following month.

HUDSON RIVER BASIN

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 Mohawk Valley Water Authority.

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 2002 TO SEPTEMBER 2003

Month	01343899 Hinckley Reservoir	01363401 Ashokan Reservoir	01366399 Rondout Reservoir
October	30.5	616	980
November	30.9	843	695
December	32.6	744	666
CAL YR 2002	31.4	621	945
January	32.5	794	711
February	35.1	822	879
March	35.6	638	819
April	32.6	580	988
May	30.6	787	908
June	29.7	793	886
July	32.3	739	1,197
August	30.8	645	1,203
September	30.2	708	1,130
WTR YR 2003	32.0	725	922

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.--Records fair except those for estimated daily discharges, which are poor. 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. Satellite and telephone gage-height telemeter at station.

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, 868 ft^3/s, Jan. 2, gage height, 8.84 ft; minimum discharge, 4.5 ft^3/s, Nov. 16, gage height, 2.29 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	12	13	152	17	37	73	18	402	23	18	22
2	8.9	13	e15	611	18	100	67	23	153	19	22	29
3	8.4	12	16	198	19	166	59	31	77	16	26	15
4	10	12	17	147	21	78	52	20	202	15	55	18
5	8.6	10	16	e100	19	75	51	18	327	16	70	18
6	8.3	16	13	90	17	106	51	16	127	15	79	17
7	8.8	14	13	76	e19	76	44	17	105	16	64	17
8	8.3	14	12	66	18	60	51	32	149	17	104	17
9	8.4	14	12	70	17	e60	63	31	82	17	69	17
10	9.3	17	13	78	e19	e58	70	26	61	26	52	17
11	33	19	27	68	19	53	78	24	50	26	45	18
12	105	26	38	56	18	48	112	24	58	15	97	18
13	22	21	25	49	16	52	79	20	339	18	62	19
14	8.4	12	55	42	16	50	54	17	210	18	43	19
15	10	8.8	17	36	16	47	46	15	137	18	30	13
16	22	11	12	32	15	69	45	14	73	18	23	24
17	14	e80	12	31	18	136	37	13	54	18	20	46
18	8.5	31	11	28	23	175	28	12	60	17	16	77
19	7.6	11	14	24	21	128	26	12	59	17	15	59
20	7.3	9.7	38	23	19	97	24	14	62	17	14	15
21	7.6	8.7	26	21	18	374	22	18	158	20	17	15
22	7.6	18	29	20	60	237	25	18	347	57	18	15
23	7.6	15	32	18	307	130	27	18	123	61	18	21
24	7.1	9.2	37	18	204	90	24	18	74	44	17	13
25	7.1	8.5	72	19	87	68	19	14	56	34	17	15
26	24	8.2	102	18	62	67	23	64	46	24	17	17
27	9.4	11	86	17	52	77	25	75	38	19	17	23
28	8.8	10	76	15	43	65	22	74	30	17	17	55
29	11	12	73	15	---	82	21	75	23	13	17	44
30	13	e13	70	e17	---	235	20	54	23	12	17	39
31	12	---	73	e17	---	110	---	48	---	16	16	---
TOTAL	440.6	477.1	1,065	2,172	1,198	3,206	1,338	873	3,705	679	1,112	752
MEAN	14.2	15.9	34.4	70.1	42.8	103	44.6	28.2	124	21.9	35.9	25.1
MAX	105	80	102	611	307	374	112	75	402	61	104	77
MIN	7.1	8.2	11	15	15	37	19	12	23	12	14	13

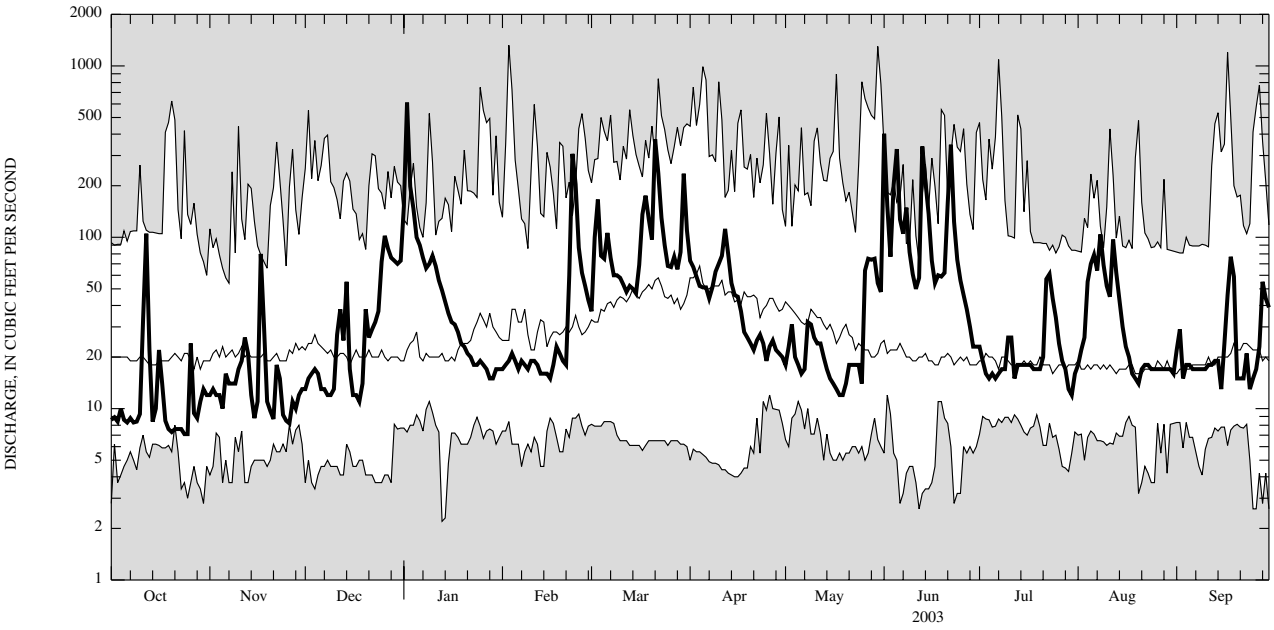
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2003, BY WATER YEAR (WY)

MEAN	29.8	29.4	36.6	41.5	46.4	68.0	69.2	49.0	36.5	31.4	26.9	33.6
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1959 - 2003	
ANNUAL TOTAL	5,409.1		17,017.7			
ANNUAL MEAN	14.8		46.6		41.7	
HIGHEST ANNUAL MEAN					74.1	1984
LOWEST ANNUAL MEAN					12.4	2002
HIGHEST DAILY MEAN	105	Oct 12	611	Jan 2	1,320	Feb 3, 1973
LOWEST DAILY MEAN	4.3	Jul 29	7.1	Oct 24	2.2	Jan 13, 1996
ANNUAL SEVEN-DAY MINIMUM	5.5	Jul 24	7.4	Oct 19	3.1	Sep 25, 1966
10 PERCENT EXCEEDS	25		97		84	
50 PERCENT EXCEEDS	12		22		23	
90 PERCENT EXCEEDS	7.1		12		12	

e Estimated

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°59'21", 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 NGVD of 1929.

REMARKS.--Records fair. 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. Satellite gage-height telemetry at station.

COOPERATION.--Gage-height record collected in cooperation with United Water New Jersey.

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	39	16	133	84	88	176	21	494	61	110	64
2	22	40	13	1,340	84	123	145	24	536	58	110	87
3	21	39	13	682	84	133	123	26	175	54	105	66
4	22	43	15	322	85	150	111	21	269	40	155	65
5	22	50	17	188	86	148	106	19	e625	39	141	68
6	22	57	16	149	84	180	101	18	e340	39	131	84
7	22	50	16	135	84	169	98	18	e200	42	110	84
8	22	49	16	117	84	135	100	28	e280	39	138	84
9	21	50	17	114	84	128	111	20	191	39	110	84
10	21	49	16	126	84	129	120	20	138	41	112	84
11	64	48	26	116	84	112	137	20	108	45	108	84
12	108	55	59	102	84	103	185	20	126	44	86	83
13	37	62	22	89	84	106	175	25	487	42	68	82
14	25	52	54	79	84	106	138	45	532	46	68	90
15	21	50	24	70	84	105	116	45	356	67	66	84
16	23	51	19	63	82	126	106	46	179	82	67	129
17	18	129	18	60	83	170	101	45	126	81	67	208
18	8.7	65	19	61	84	233	97	45	126	86	66	165
19	7.1	31	20	51	82	248	94	51	118	101	66	131
20	6.5	27	50	48	82	202	94	58	155	101	65	116
21	5.8	26	36	43	82	610	94	59	148	102	65	116
22	5.5	38	37	41	125	553	97	60	719	135	65	108
23	5.5	37	41	39	168	285	96	61	354	124	65	99
24	8.7	27	43	35	110	185	94	63	166	111	64	79
25	19	25	60	32	95	146	94	59	127	106	63	76
26	42	21	97	32	91	128	97	114	102	106	63	76
27	19	25	91	41	90	135	96	64	86	106	62	102
28	17	23	84	55	89	121	64	67	75	106	61	120
29	17	21	77	65	---	126	23	90	64	106	59	82
30	17	21	73	84	---	259	23	90	62	104	59	78
31	25	---	73	84	---	267	---	88	---	103	59	---
TOTAL	716.8	1,300	1,178	4,596	2,526	5,709	3,212	1,430	7,464	2,356	2,634	2,878
MEAN	23.1	43.3	38.0	148	90.2	184	107	46.1	249	76.0	85.0	95.9
MAX	108	129	97	1,340	168	610	185	114	719	135	155	208
MIN	5.5	21	13	32	82	88	23	18	62	39	59	64

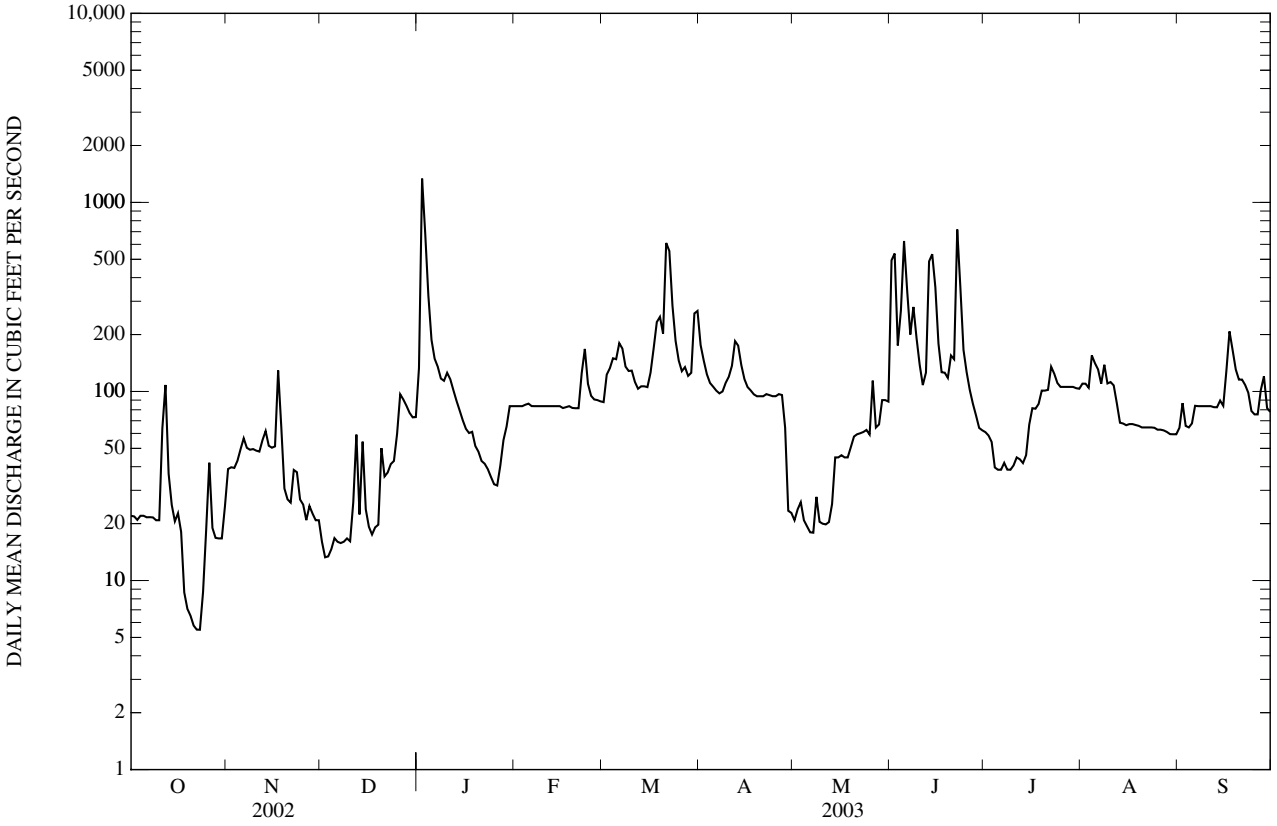
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2003, BY WATER YEAR (WY)

MEAN	58.7	68.2	76.6	86.7	88.9	133	135	98.4	77.5	77.4	69.6	65.2
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1942 - 2003	
ANNUAL TOTAL	12,614.8		35,999.8			
ANNUAL MEAN	34.6		98.6		86.2	
HIGHEST ANNUAL MEAN					156	1952
LOWEST ANNUAL MEAN					30.9	1981
HIGHEST DAILY MEAN	129	Nov 17	1,340	Jan 2	2,190	May 31, 1984
LOWEST DAILY MEAN	5.5	Oct 22, 23	5.5	Oct 22, 23	4.4	Oct 10, 1995
ANNUAL SEVEN-DAY MINIMUM	6.8	Oct 18	6.8	Oct 18	5.0	Oct 7, 1995
MAXIMUM PEAK FLOW			1,600	Jan 2	2,530	May 17, 1989
MAXIMUM PEAK STAGE			5.71	Jan 2	8.08	May 17, 1989
INSTANTANEOUS LOW FLOW			5.1	Oct 23	0.00	Jan 16, 1970
10 PERCENT EXCEEDS	73		167		165	
50 PERCENT EXCEEDS	25		82		59	
90 PERCENT EXCEEDS	16		21		21	

e Estimated



RESERVOIRS IN HACKENSACK RIVER BASIN

01376700 DE FOREST LAKE.--Lat 41°06'22", long 73°57'59", 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 National Geodetic Vertical Datum 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°01'06", long 74°00'04", Bergen County, NJ, Hydrologic Unit 02030103, at dam on Hackensack River, 0.5 mi north of Old Tappan. DRAINAGE AREA, 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 National Geodetic Vertical Datum 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°02'57", Bergen County, NJ, 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 National Geodetic Vertical Datum 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°57'23", long 74°01'46", Bergen County, NJ, 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 National Geodetic Vertical Datum 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 2002 TO SEPTEMBER 2003

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.....	76.56	3,115		48.75	1,850	
Oct. 31.....	79.02	3,829	+35.6	52.12	2,865	+50.7
Nov. 30.....	82.44	4,856	+53.0	53.48	3,316	+23.3
Dec. 31.....	85.06	5,691	+41.7	55.44	4,011	+34.7
CAL YR 2002			+11.2			+10.3
Jan. 31.....	84.84	5,616	-3.7	54.92	3,822	-9.4
Feb. 28.....	85.08	5,697	+4.5	54.77	3,771	-2.8
Mar. 31.....	85.22	5,743	+2.3	55.34	3,976	+10.2
Apr .30.....	85.00	5,669	-3.8	54.34	3,617	-18.6
May 31.....	85.11	5,707	+1.9	55.25	3,941	+16.2
June 30.....	85.02	5,676	-1.6	55.04	3,868	-3.8
July 31.....	84.85	5,621	-2.7	53.55	3,341	-26.3
Aug. 31.....	84.32	5,451	-8.5	52.71	3,059	-14.1
Sept.30.....	85.06	5,690	+12.3	51.22	2,576	-24.9
WTR YR 2003			+10.9			+3.1

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)
	01377450 WOODCLIFF LAKE			01378480 ORADELL RESERVOIR		
Sept.30.....	92.58	737		21.20	2,996	
Oct. 31.....	92.89	754	+.8	19.16	2,503	-24.6
Nov. 30.....	91.24	665	-4.6	22.57	3,346	+43.5
Dec. 31.....	91.34	671	+.3	21.77	3,138	-10.4
CAL YR 2002			+1.1			+4.0
Jan. 31.....	90.52	627	-2.2	20.20	2,748	-19.5
Feb. 28.....	91.10	658	+1.7	22.59	3,352	+33.4
Mar. 31.....	91.30	669	+.5	22.58	3,350	-.1
Apr. 30.....	91.17	661	-.4	22.52	3,335	-.8
May 31.....	93.28	776	+5.7	21.99	3,197	-6.9
June 30.....	95.37	892	+6.0	23.01	3,466	+13.9
July 31.....	93.61	794	-4.9	21.56	3,085	-19.0
Aug. 31.....	91.64	686	-5.4	20.32	2,779	-15.3
Sept.30.....	93.26	774	+4.5	22.19	3,248	+24.2
WTR YR 2003			+.2			+1.1

† 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 (formerly Spring Valley Water Company), 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 includes 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).

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 2002 TO SEPTEMBER 2003

MONTH	01376699 UNITED WATER NEW YORK.	01376810 WEST NYACK, NY	01378490 UNITED WATER NEW JERSEY
October	10.8	2.79	140
November	7.07	2.82	131
December	10.2	2.82	128
CAL YR 2002	11.2	3.02	141
January	12.3	2.83	134
February	12.2	2.85	133
March	13.4	2.86	132
April	13.8	2.87	135
May	13.9	3.18	143
June	13.9	3.11	148
July	16.3	3.38	181
August	14.7	3.24	165
September	13.5	3.02	151
WTR YR 2003	12.7	2.98	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	1.40	2.16	17.0	2.93	1.68
November	1.29	3.11	0	5.64	.36
December	0	.28	0	.83	.17
CAL YR 2002	1.11	2.31	31.9	6.51	2.56
January	0	0	0	0	.16
February	0	0	0	0	.15
March	0	0	0	0	0
April	0	0	0	0	0
May	0	0	8.92	0	.03
June	0	0	10.8	0	.25
July	0	0	10.8	0	.39
August	0	0	10.8	0	.37
September	0	0	8.07	0	.36
WTR YR 2003	.22	.46	5.59	.78	.33

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.--Records fair except those for estimated daily discharges, which are poor. Occasional regulation by Lake Sebago. Telephone gage-height telemeter at station.

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)
Nov 18	0215	1,560	5.14	Mar 21	2345	*2,220	*6.13
Jan 2	1300	1,590	5.19	Jun 1	2345	1,560	5.15
Mar 19	0115	1,390	4.86				

Minimum discharge, 11 ft^3/s, Oct. 9, 10, gage height, 1.54 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	55	146	338	67	189	362	106	1,070	e110	e22	32
2	14	51	129	1,440	69	269	325	135	1,200	e100	e28	76
3	13	47	117	1,010	69	431	287	210	584	e95	e38	96
4	14	45	102	668	79	320	254	149	645	e85	e90	80
5	15	44	101	467	92	294	247	125	742	e75	e150	70
6	15	72	107	376	79	368	230	115	517	e65	e340	56
7	14	84	99	323	81	319	205	110	446	e54	e250	48
8	12	66	94	284	80	278	211	174	570	e50	e160	42
9	12	60	86	264	76	274	222	190	420	e52	151	37
10	12	57	82	263	70	267	249	155	346	e45	267	33
11	32	56	97	232	e66	226	278	140	292	e40	204	31
12	131	61	351	198	e62	210	491	154	295	e35	191	28
13	143	108	354	177	e60	212	475	136	553	e32	140	26
14	103	115	619	157	e58	200	347	119	481	e29	112	27
15	74	101	788	143	55	194	292	108	356	e27	87	32
16	123	95	549	129	e54	273	253	98	269	e25	75	71
17	396	896	402	e120	e54	654	203	90	212	e24	66	82
18	224	1,360	304	e110	e54	1,200	170	84	230	e23	61	72
19	134	755	258	e100	e56	1,250	156	79	215	e23	54	139
20	99	436	340	e94	e60	908	144	76	196	e23	48	142
21	82	320	552	e90	e70	1,730	130	81	311	e30	44	95
22	68	357	395	e84	110	2,060	140	84	884	e100	41	78
23	59	457	313	e80	386	1,370	154	81	692	e170	51	203
24	52	343	263	e78	461	861	129	88	e410	e130	40	429
25	46	278	264	74	354	598	112	87	e300	e80	36	221
26	95	236	292	70	294	469	125	164	e220	e54	33	181
27	109	220	247	e68	247	459	152	235	e180	e42	32	160
28	89	199	219	e68	215	362	129	220	e150	e36	29	371
29	75	172	197	68	---	382	117	263	e130	e32	34	466
30	67	157	179	68	---	554	111	203	e120	e28	32	295
31	60	---	184	66	---	462	---	187	---	e24	26	---
TOTAL	2,397	7,303	8,230	7,707	3,478	17,643	6,700	4,246	13,036	1,738	2,932	3,719
MEAN	77.3	243	265	249	124	569	223	137	435	56.1	94.6	124
MAX	396	1,360	788	1,440	461	2,060	491	263	1,200	170	340	466
MIN	12	44	82	66	54	189	111	76	120	23	22	26
CFSM	0.89	2.80	3.06	2.86	1.43	6.55	2.57	1.58	5.00	0.65	1.09	1.43
IN.	1.03	3.13	3.52	3.30	1.49	7.55	2.87	1.82	5.58	0.74	1.26	1.59

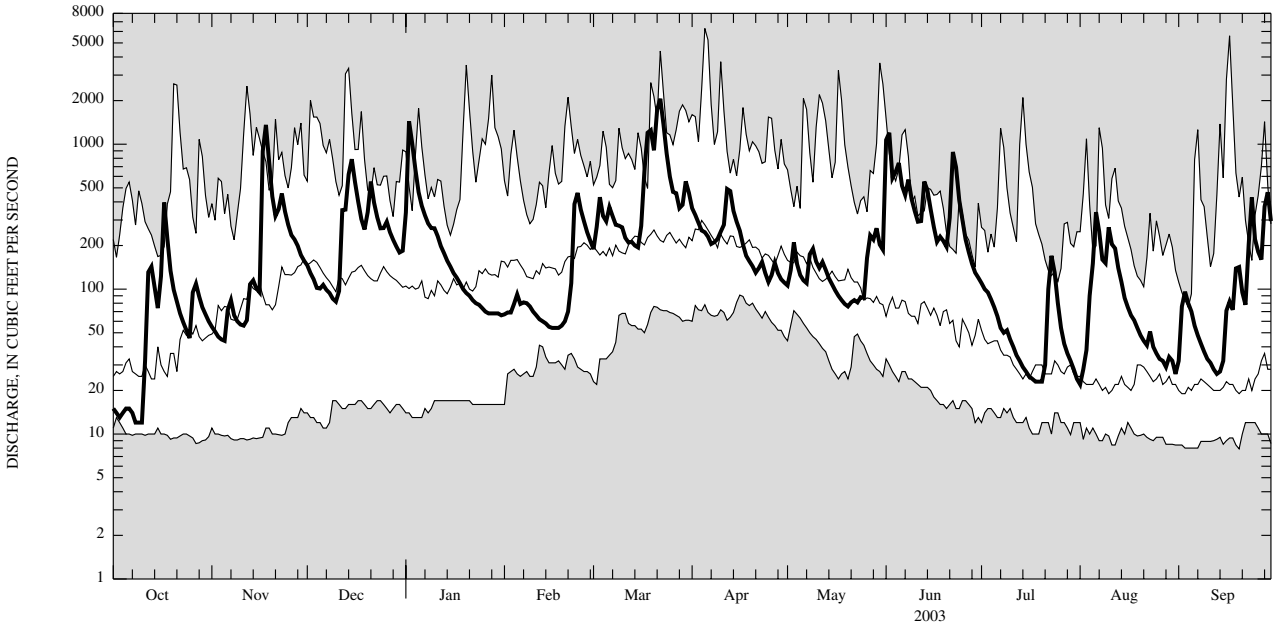
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2003, BY WATER YEAR (WY)

MEAN	90.8	158	200	181	195	318	309	199	127	61.3	50.3	71.0
MAX	352	437	642	594	424	774	802	704	435	291	270	451
(WY)	(1990)	(1996)	(1984)	(1996)	(1981)	(1983)	(1984)	(1989)	(2003)	(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)

01387400 RAMAPO RIVER AT RAMAPO, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1979 - 2003	
ANNUAL TOTAL	39,923		79,129			
ANNUAL MEAN	109		217		163	
HIGHEST ANNUAL MEAN					284	1984
LOWEST ANNUAL MEAN					63.5	2002
HIGHEST DAILY MEAN	1,360	Nov 18	2,060	Mar 22	6,300	Apr 5, 1984
LOWEST DAILY MEAN	12	Sep 26	12	Oct 8	7.9	Sep 20, 1983
ANNUAL SEVEN-DAY MINIMUM	13	Oct 4	13	Oct 4	8.1	Sep 1, 1981
ANNUAL RUNOFF (CFSM)	1.26		2.49		1.88	
ANNUAL RUNOFF (INCHES)	17.09		33.87		25.49	
10 PERCENT EXCEEDS	279		464		349	
50 PERCENT EXCEEDS	58		129		91	
90 PERCENT EXCEEDS	18		33		17	

e Estimated



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)
Nov 18	0230	1,550	6.60	Mar 22	0115	*2,170	*7.80
Jan 2	1330	1,500	6.51	Jun 1	2330	1,480	6.46
Mar 19	0200	1,260	5.98				

Minimum discharge, 7.6 ft^3/s, Oct. 9, gage height, 1.36 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	41	134	353	e58	202	411	110	1,040	109	18	25
2	12	37	112	1,400	e60	305	372	142	1,130	92	23	72
3	9.2	33	96	962	65	475	330	228	609	83	36	96
4	10	31	79	674	73	366	296	156	680	76	124	78
5	12	29	78	509	88	338	287	134	754	64	144	67
6	12	55	86	422	74	416	272	123	563	51	365	49
7	12	67	77	369	75	366	240	116	501	44	260	38
8	12	50	72	328	74	317	249	188	602	47	178	31
9	7.9	44	66	311	69	315	261	207	466	40	145	27
10	8.6	39	60	309	63	305	288	165	387	35	278	23
11	38	37	80	273	e60	260	315	149	324	32	240	22
12	152	43	380	227	e56	236	513	168	324	29	237	20
13	155	92	377	195	e54	238	503	147	614	25	162	18
14	100	101	626	170	e50	223	386	128	550	23	122	19
15	68	85	756	150	e47	215	328	115	419	22	92	22
16	133	81	562	e130	45	313	290	104	318	21	75	65
17	447	891	425	e120	e44	651	239	95	257	20	65	80
18	262	1,340	322	e110	e44	1,090	193	87	272	19	55	68
19	137	761	271	e100	e44	1,140	174	82	250	20	46	141
20	94	479	360	e90	e47	859	158	76	218	19	37	149
21	73	358	556	e86	e60	1,640	141	82	347	22	32	95
22	59	399	414	e80	e100	2,000	152	87	845	117	29	77
23	49	495	329	e76	e400	1,270	169	84	691	181	38	238
24	40	381	275	e72	e490	813	140	91	452	97	29	457
25	34	310	270	e68	399	609	120	91	331	65	24	246
26	89	260	305	e64	331	504	134	191	258	46	22	196
27	102	235	253	e64	280	495	164	269	197	34	21	176
28	78	201	212	e60	238	404	138	256	153	31	19	418
29	65	167	185	e60	---	435	126	301	126	28	22	512
30	55	148	161	e58	---	e600	119	230	122	21	22	336
31	47	---	167	e58	---	509	---	209	---	18	18	---
TOTAL	2,385.7	7,290	8,146	7,948	3,488	17,909	7,508	4,611	13,800	1,531	2,978	3,861
MEAN	77.0	243	263	256	125	578	250	149	460	49.4	96.1	129
MAX	447	1,340	756	1,400	490	2,000	513	301	1,130	181	365	512
MIN	7.9	29	60	58	44	202	119	76	122	18	18	18
†	6.8	11.0	14.0	14.5	13.8	14.0	14.0	13.6	13.9	12.3	12.4	12.4

† Diversion, in cubic feet per second, by pumpage from well field upstream of station.

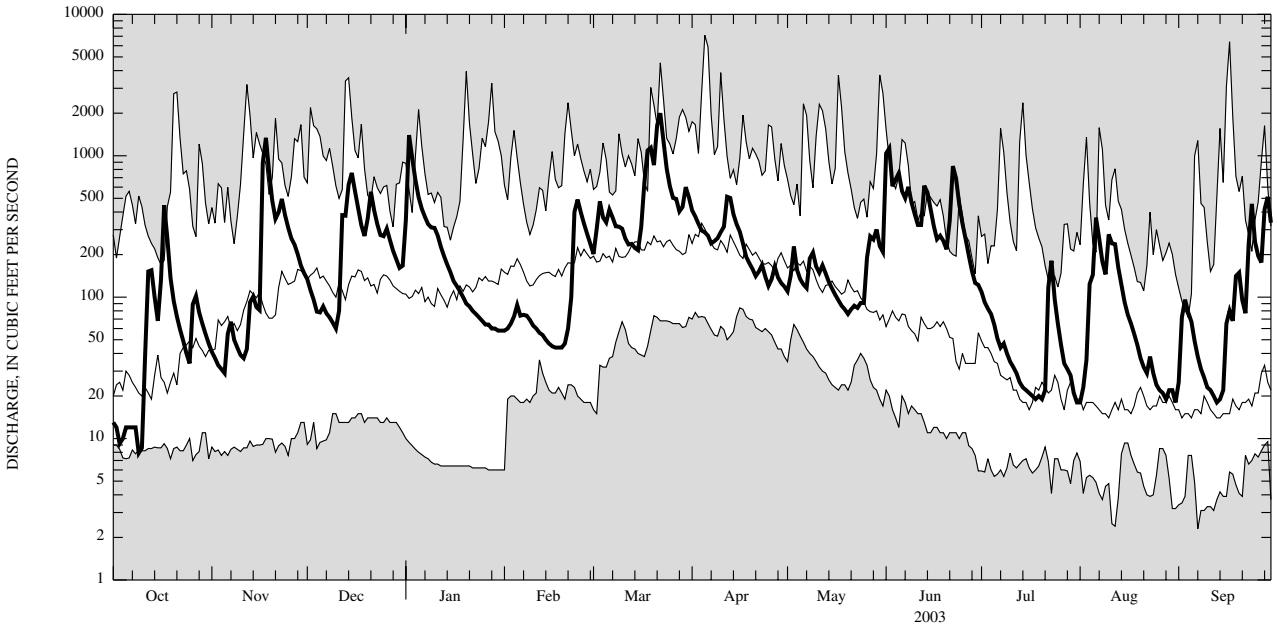
01387420 RAMAPO RIVER AT SUFFERN, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2003, BY WATER YEAR (WY)												
MEAN	93.5	169	207	192	207	332	324	210	126	58.1	49.5	73.2
MAX	389	496	693	654	475	816	862	777	460	308	305	508
(WY)	(1990)	(1996)	(1984)	(1996)	(1981)	(1983)	(1984)	(1989)	(2003)	(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1979 - 2003	
ANNUAL TOTAL	38,471.7		81,455.7			
ANNUAL MEAN	105		223		170	
HIGHEST ANNUAL MEAN					295	1984
LOWEST ANNUAL MEAN					59.5	2002
HIGHEST DAILY MEAN	1,340	Nov 18	2,000	Mar 22	7,110	Apr 5, 1984
LOWEST DAILY MEAN	7.4	Sep 26	7.9	Oct 9	2.3	Sep 7, 1995
ANNUAL SEVEN-DAY MINIMUM	11	Oct 4	11	Oct 4	3.1	Sep 7, 1995
10 PERCENT EXCEEDS	307		503		373	
50 PERCENT EXCEEDS	43		134		88	
90 PERCENT EXCEEDS	13		25		13	

e Estimated



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°09'46", 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.

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)
Nov 18	0245	1,900	6.91	Mar 22	0300	*2,560	*7.64
Jan 2	0930	1,980	7.01	Jun 1	2200	1,940	6.96
Mar 19	0300	1,560	6.41	Jun 5	0045	1,420	6.19

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	69	203	490	93	242	476	165	1,390	173	39	82
2	14	65	182	1,850	98	402	428	196	1,530	144	58	171
3	12	59	166	1,230	98	541	378	285	741	131	83	148
4	16	55	144	837	117	390	339	215	909	123	204	120
5	17	53	141	589	133	380	330	190	1,120	107	256	98
6	17	103	151	479	112	455	311	179	709	89	497	74
7	15	110	139	415	112	388	283	173	615	81	316	59
8	15	82	134	370	108	345	293	246	755	81	276	50
9	10	75	124	355	97	347	308	258	543	74	205	43
10	10	72	113	353	95	336	332	220	439	70	298	39
11	135	70	170	311	92	289	359	201	369	67	290	35
12	298	93	508	272	86	274	602	221	377	60	376	32
13	235	151	452	246	76	280	583	200	948	50	247	33
14	154	151	801	225	84	266	435	181	776	46	186	39
15	105	131	921	206	73	260	371	166	538	44	148	47
16	177	130	653	188	60	351	331	152	388	43	122	126
17	473	1,150	487	183	46	740	285	140	319	41	106	112
18	296	1,660	379	169	126	1,330	248	131	340	39	92	91
19	183	915	328	152	122	1,410	231	124	316	39	81	203
20	136	544	445	149	105	1,040	216	116	286	38	68	193
21	109	410	647	136	97	2,050	200	125	477	58	59	133
22	89	476	475	134	219	2,380	222	128	1,190	271	54	107
23	76	563	385	132	629	1,600	227	125	874	314	61	365
24	65	430	330	106	609	990	197	141	523	157	50	514
25	57	355	329	104	436	697	176	136	382	105	43	284
26	167	306	362	101	355	561	199	275	307	77	40	232
27	154	290	312	99	303	551	227	322	255	62	37	243
28	119	264	282	109	270	440	196	305	213	56	34	847
29	99	235	259	95	---	546	182	351	184	50	35	760
30	86	218	240	92	---	819	175	276	203	40	37	421
31	77	---	246	90	---	615	---	264	---	36	31	---
TOTAL	3,430	9,285	10,508	10,267	4,851	21,315	9,140	6,207	18,016	2,766	4,429	5,701
MEAN	111	310	339	331	173	688	305	200	601	89.2	143	190
MAX	473	1,660	921	1,850	629	2,380	602	351	1,530	314	497	847
MIN	10	53	113	90	46	242	175	116	184	36	31	32
CFSM	0.92	2.58	2.82	2.76	1.44	5.73	2.54	1.67	5.00	0.74	1.19	1.58
IN.	1.06	2.88	3.26	3.18	1.50	6.61	2.83	1.92	5.58	0.86	1.37	1.77

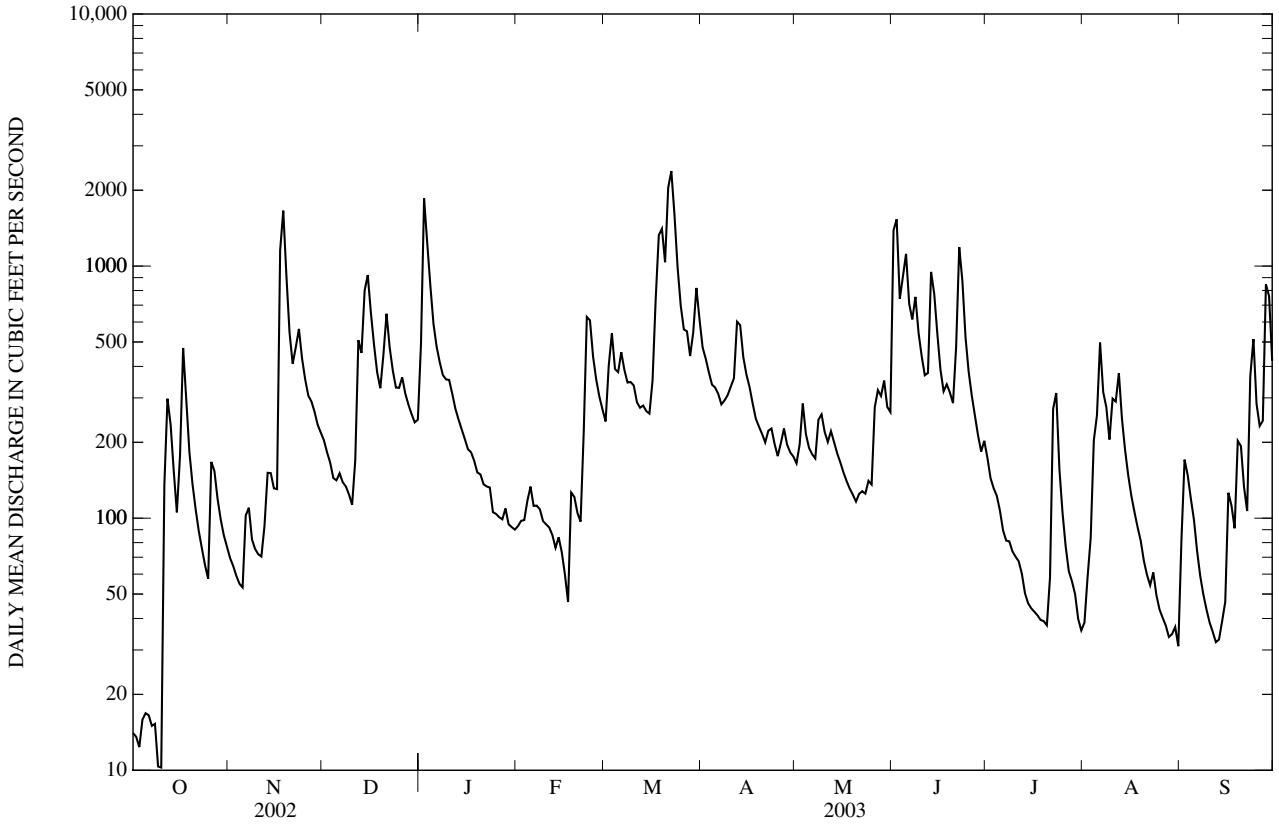
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2003, BY WATER YEAR (WY)

MEAN	140	221	271	265	277	442	396	256	159	97.7	98.0	111
MAX	954	736	873	877	701	1,151	1,055	994	735	602	755	641
(WY)	(1904)	(1978)	(1984)	(1979)	(1970)	(1936)	(1984)	(1989)	(1972)	(1945)	(1955)	(1999)
MIN	13.8	17.9	19.8	16.5	42.7	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1903 - 2003	
ANNUAL TOTAL	50,514		105,915			
ANNUAL MEAN	138		290		227	
HIGHEST ANNUAL MEAN					461	1903
LOWEST ANNUAL MEAN					80.0	2002
HIGHEST DAILY MEAN	1,660	Nov 18	2,380	Mar 22	8,920	Oct 9, 1903
LOWEST DAILY MEAN	10	Oct 9,10	10	Oct 9, 10	1.2	Aug 12, 1993
ANNUAL SEVEN-DAY MINIMUM	14	Oct 4	14	Oct 4	3.7	Sep 7, 1995
MAXIMUM PEAK FLOW			2,560	Mar 22	15,500a	Apr 5, 1984
MAXIMUM PEAK STAGE			7.64	Mar 22	13.35	Apr 5, 1984
INSTANTANEOUS LOW FLOW			9.0	Oct 9, 10	0.20	Aug 11, 1993
ANNUAL RUNOFF (CFSM)	1.15		2.42		1.90	
ANNUAL RUNOFF (INCHES)	15.66		32.83		25.75	
10 PERCENT EXCEEDS	343		611		503	
50 PERCENT EXCEEDS	75		196		136	
90 PERCENT EXCEEDS	17		50		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. 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 YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 21	2200	*266	*5.70

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 0.79 ft^3/s, Oct. 10, gage height, 2.65 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

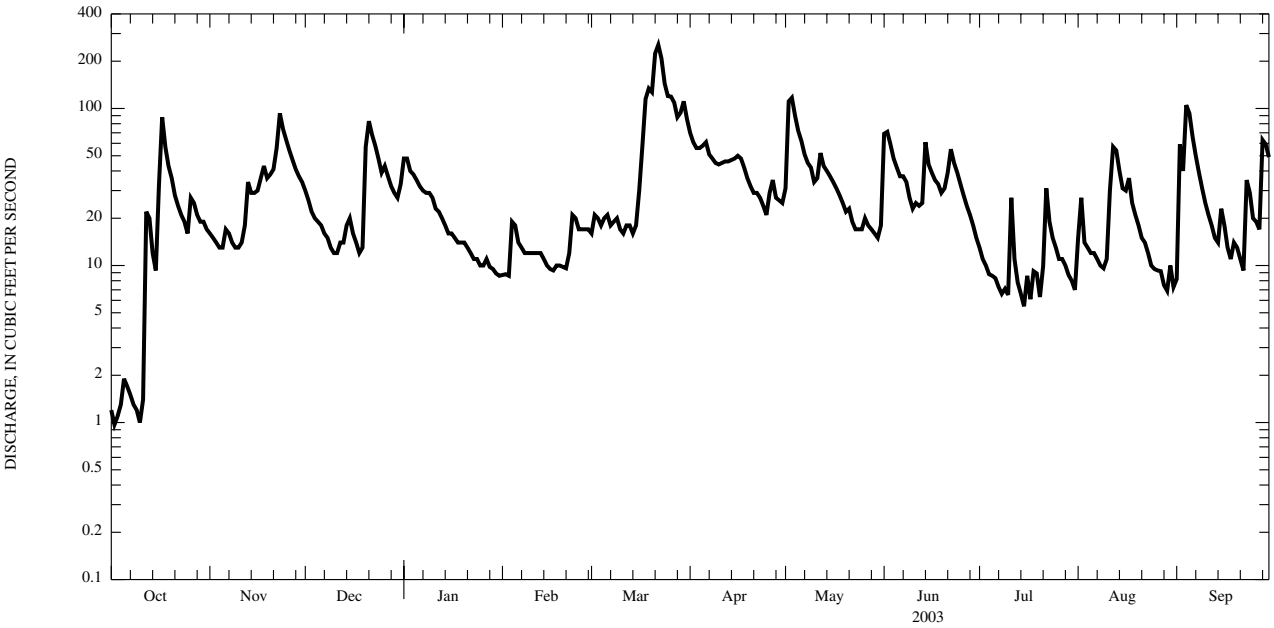
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	16	30	48	8.7	16	70	31	69	13	15	8.2
2	0.97	15	26	48	8.8	21	61	111	71	11	27	59
3	1.1	14	22	40	8.6	20	56	117	59	10	14	40
4	1.3	13	20	38	19	18	56	90	48	8.8	13	105
5	1.9	13	19	35	18	20	58	72	42	8.6	12	93
6	1.7	17	18	32	14	21	61	62	37	8.3	12	66
7	1.5	16	16	30	13	18	51	51	37	7.3	11	50
8	1.3	14	15	29	12	19	48	45	34	6.6	10	39
9	1.2	13	13	29	12	20	45	42	27	7.1	9.6	31
10	1.00	13	12	27	12	17	44	34	23	6.5	11	25
11	1.4	14	12	23	12	16	45	36	25	27	30	21
12	22	18	14	22	12	18	46	52	24	11	57	18
13	20	34	14	20	12	18	46	43	25	7.8	54	15
14	12	29	18	18	11	16	47	40	61	6.6	40	14
15	9.3	29	20	16	10	18	48	37	44	5.5	31	23
16	33	30	16	16	9.5	30	50	34	39	8.6	30	18
17	88	36	14	15	9.3	58	48	31	35	6.1	36	13
18	57	43	12	14	10	115	42	28	33	9.2	25	11
19	43	36	13	14	10	134	36	25	29	8.9	21	14
20	36	38	57	14	9.8	127	32	22	31	6.3	18	13
21	28	41	83	13	9.6	224	29	23	39	9.9	15	11
22	24	56	68	12	12	254	29	19	55	31	14	9.3
23	21	93	58	11	21	208	27	17	45	19	12	35
24	19	74	48	11	20	144	24	17	39	15	10	29
25	16	63	39	10	17	120	21	17	33	13	9.5	20
26	27	54	43	10	17	119	29	20	28	11	9.3	19
27	25	47	37	11	17	109	35	18	24	11	9.2	17
28	21	41	32	9.8	17	88	27	17	21	10	7.5	63
29	19	37	29	9.5	---	94	26	16	18	8.7	6.9	59
30	19	34	27	8.9	---	111	25	15	15	8.0	10	49
31	17	---	33	8.6	---	86	---	18	---	7.0	7.3	---
TOTAL	570.87	991	878	642.8	362.3	2,297	1,262	1,200	1,110	327.8	587.3	987.5
MEAN	18.4	33.0	28.3	20.7	12.9	74.1	42.1	38.7	37.0	10.6	18.9	32.9
MAX	88	93	83	48	21	254	70	117	71	31	57	105
MIN	0.97	13	12	8.6	8.6	16	21	15	15	5.5	6.9	8.2
CFSM	1.36	2.45	2.10	1.54	0.96	5.49	3.12	2.87	2.74	0.78	1.40	2.44
IN.	1.57	2.73	2.42	1.77	1.00	6.33	3.48	3.31	3.06	0.90	1.62	2.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	8.55	14.6	21.4	13.1	23.9	39.6	57.6	32.6	22.7	6.09	7.22	9.88
MAX	18.4	33.0	31.2	20.7	34.6	74.1	89.7	48.9	37.0	10.6	18.9	32.9
(WY)	(2003)	(2003)	(2001)	(2003)	(2002)	(2003)	(2001)	(2002)	(2003)	(2003)	(2003)	(2003)
MIN	1.06	0.84	4.82	8.98	12.9	17.2	41.1	10.2	10.7	3.04	0.70	0.78
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(2001)	(2002)	(2001)	(2001)	(2002)	(2001)	(2001)

01413088 EAST BRANCH DELAWARE RIVER AT ROXBURY, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	8,046.60		11,216.57			
ANNUAL MEAN	22.0		30.7		21.5	
HIGHEST ANNUAL MEAN					30.7	2003
LOWEST ANNUAL MEAN					15.9	2002
HIGHEST DAILY MEAN	102	Mar 27	254	Mar 22	298	Apr 13, 2001
LOWEST DAILY MEAN	0.02	Sep 14	0.97	Oct 2	0.02	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	0.13	Sep 11	1.4	Oct 1	0.13	Sep 11, 2002
ANNUAL RUNOFF (CFSM)	1.63		2.28		1.59	
ANNUAL RUNOFF (INCHES)	22.17		30.91		21.59	
10 PERCENT EXCEEDS	57		59		51	
50 PERCENT EXCEEDS	17		21		13	
90 PERCENT EXCEEDS	0.82		8.9		0.79	



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)
Oct 16	2115	721	5.90	Sep 4	0600	*1,920	*7.76
Mar 21	1830	1,210	6.74	Sep 23	1000	742	5.94
Sep 2	0815	774	6.00				

Minimum discharge, 7.7 ft^3/s, Oct. 10, gage height, 3.39 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	63	114	147	e36	50	257	57	224	61	117	51
2	9.5	62	99	162	e35	57	232	162	206	61	87	313
3	11	60	86	129	e34	58	207	164	188	53	70	173
4	10	58	79	124	45	e58	202	154	171	48	92	842
5	11	56	76	114	47	57	192	142	158	44	76	389
6	10	66	73	109	e45	60	190	131	141	42	77	253
7	9.3	65	e68	102	42	e64	171	119	147	53	70	193
8	8.8	61	65	102	e42	58	163	112	138	62	66	155
9	8.3	59	e64	98	e40	60	155	123	116	46	69	127
10	8.0	57	e58	90	e39	e58	176	99	103	41	101	108
11	11	61	e56	83	e38	e56	137	121	103	85	115	93
12	112	70	e58	76	e37	55	143	218	102	51	156	81
13	83	106	58	e74	e35	56	135	181	121	41	162	74
14	61	93	77	e70	e34	56	135	174	186	36	141	71
15	52	94	78	e66	e33	57	140	162	142	32	125	104
16	203	99	72	e64	e32	94	148	148	134	43	139	79
17	306	189	e66	e60	e32	199	136	136	122	35	138	64
18	211	220	e64	e56	e31	353	121	123	124	35	114	57
19	164	179	e68	e54	e30	371	111	112	112	34	102	88
20	142	183	271	e52	e32	379	102	113	117	28	90	76
21	117	182	257	e50	e35	972	95	115	141	38	82	63
22	101	249	212	e48	39	946	94	94	181	137	77	58
23	90	314	182	e47	57	675	87	86	155	96	69	294
24	79	249	157	e46	e64	452	80	84	140	78	61	188
25	72	216	e140	e45	e60	373	75	84	127	66	56	161
26	103	187	e130	e44	e58	376	76	98	114	57	54	141
27	86	169	118	e42	e54	330	77	102	115	54	53	133
28	76	148	108	e40	50	281	69	106	98	51	45	381
29	71	136	100	e39	---	378	63	102	80	44	43	266
30	68	129	92	e38	---	423	58	98	72	40	45	222
31	65	---	103	e37	---	308	---	108	---	36	40	---
TOTAL	2,369.9	3,880	3,249	2,308	1,156	7,770	4,027	3,828	4,078	1,628	2,732	5,298
MEAN	76.4	129	105	74.5	41.3	251	134	123	136	52.5	88.1	177
MAX	306	314	271	162	64	972	257	218	224	137	162	842
MIN	8.0	56	56	37	30	50	58	57	72	28	40	51
CFSM	1.64	2.77	2.24	1.59	0.88	5.37	2.87	2.64	2.91	1.12	1.89	3.78
IN.	1.89	3.09	2.59	1.84	0.92	6.19	3.21	3.05	3.25	1.30	2.18	4.22

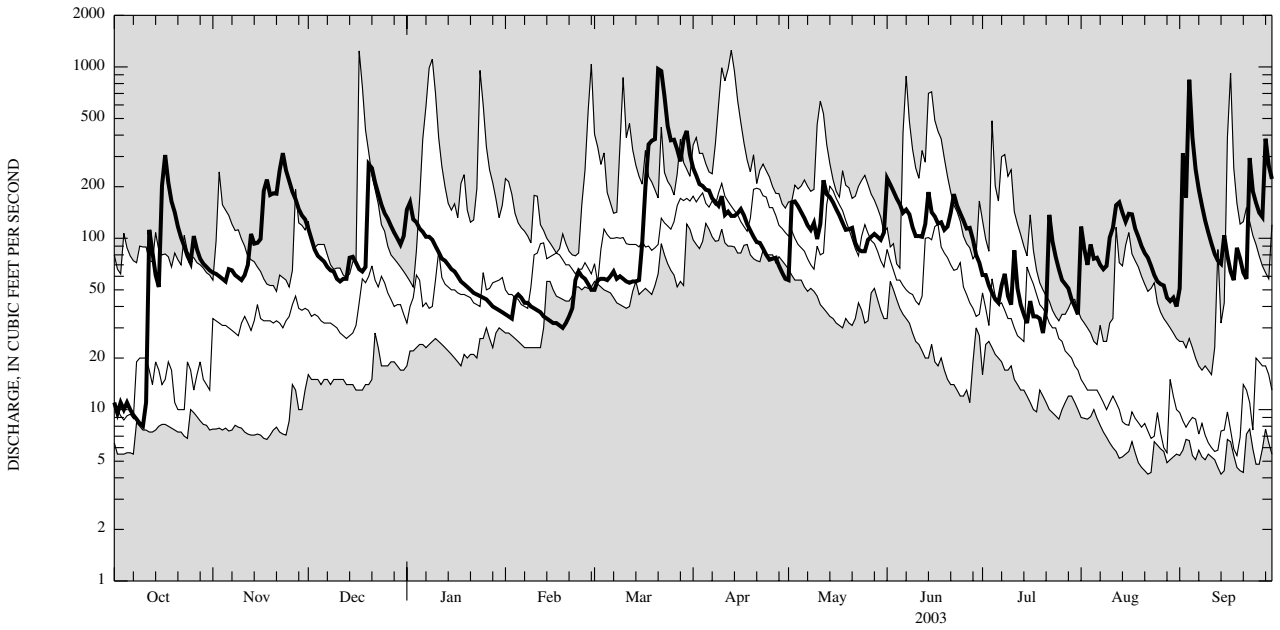
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	36.9	56.0	70.8	94.1	80.8	160	184	115	111	50.4	29.1	54.5
MAX	78.9	129	146	214	120	251	357	181	192	92.8	88.1	177
(WY)	(2000)	(2003)	(2001)	(1998)	(2000)	(2003)	(2001)	(1998)	(2000)	(1999)	(2003)	(2003)
MIN	9.50	8.31	16.1	35.9	41.3	57.5	106	45.5	25.7	16.0	7.55	6.02
(WY)	(1998)	(2002)	(1999)	(2002)	(2003)	(2001)	(1999)	(2001)	(1999)	(2002)	(2002)	(1998)

01413398 BUSH KILL NEAR ARKVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	27,899.8		42,323.9			
ANNUAL MEAN	76.4		116		86.7	
HIGHEST ANNUAL MEAN					116	2003
LOWEST ANNUAL MEAN					54.9	2002
HIGHEST DAILY MEAN	314	Nov 23	972	Mar 21	1,250	Apr 13, 2001
LOWEST DAILY MEAN	4.2	Aug 22	8.0	Oct 10	4.2	Sep 14, 1998
ANNUAL SEVEN-DAY MINIMUM	4.9	Aug 17	9.3	Oct 4	4.9	Aug 17, 2002
ANNUAL RUNOFF (CFSM)	1.64		2.48		1.86	
ANNUAL RUNOFF (INCHES)	22.22		33.71		25.23	
10 PERCENT EXCEEDS	168		209		184	
50 PERCENT EXCEEDS	72		86		56	
90 PERCENT EXCEEDS	7.2		39		8.8	

e Estimated



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.

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)
Mar 21	0130	2,430	6.99	Sep 4	0545	a*3,280	*7.90
Mar 29	1815	1,670	6.07	Sep 23	1045	1,880	6.34
Sep 2	0800	2,400	6.96	Sep 28	--	b1,900	unknown

a From rating curve extended as explained above.
b About.

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e26	114	189	252	e64	e100	478	110	567	106	198	77
2	e20	111	168	304	e62	e110	414	260	501	100	175	925
3	e23	107	148	239	e62	e120	377	264	392	90	162	416
4	e21	103	139	229	e68	e110	357	248	324	82	226	1,550
5	e23	99	133	208	e74	e110	343	230	281	76	177	789
6	e22	125	128	198	e76	e100	324	217	241	72	168	485
7	e21	123	118	185	e74	e110	289	198	242	86	146	344
8	e20	114	115	182	e72	113	268	189	222	100	132	265
9	e19	111	102	174	e70	110	249	202	189	78	131	213
10	e17	110	100	161	e66	100	247	170	167	71	187	180
11	e24	117	104	146	e62	102	258	189	165	114	300	155
12	276	133	110	138	e60	103	273	320	162	80	534	136
13	193	200	103	126	e60	102	266	261	207	67	638	125
14	146	181	141	118	e58	97	263	252	321	60	368	118
15	120	177	143	113	e58	101	265	231	252	54	274	172
16	413	179	131	e100	e58	150	284	212	230	71	248	136
17	673	349	118	e96	57	329	266	194	207	60	239	113
18	403	435	108	e94	64	637	232	178	203	57	201	102
19	297	348	120	e92	65	707	209	163	183	55	177	141
20	250	334	544	e90	64	720	188	158	186	47	152	137
21	208	320	584	e86	61	1,820	174	161	225	54	135	117
22	179	408	431	e84	71	1,660	171	137	354	201	123	108
23	159	543	346	e82	135	1,190	161	126	305	164	110	825
24	142	429	288	e80	133	826	147	124	263	137	98	490
25	130	366	264	e78	119	699	136	123	228	115	90	345
26	171	316	242	e76	115	723	140	147	199	100	84	e270
27	152	281	208	e72	e110	640	142	156	186	94	81	e250
28	137	244	190	e70	e110	515	128	170	162	88	72	e1,040
29	129	222	177	e68	---	826	120	167	137	78	68	e620
30	123	207	163	e66	---	898	114	162	122	71	70	e470
31	117	---	179	e66	---	619	---	182	---	65	62	---
TOTAL	4,654	6,906	6,034	4,073	2,148	14,547	7,283	5,901	7,423	2,693	5,826	11,114
MEAN	150	230	195	131	76.7	469	243	190	247	86.9	188	370
MAX	673	543	584	304	135	1,820	478	320	567	201	638	1,550
MIN	17	99	100	66	57	97	114	110	122	47	62	77
CFSM	1.83	2.80	2.37	1.60	0.93	5.71	2.95	2.32	3.01	1.06	2.29	4.51
IN.	2.11	3.13	2.73	1.84	0.97	6.58	3.30	2.67	3.36	1.22	2.64	5.03

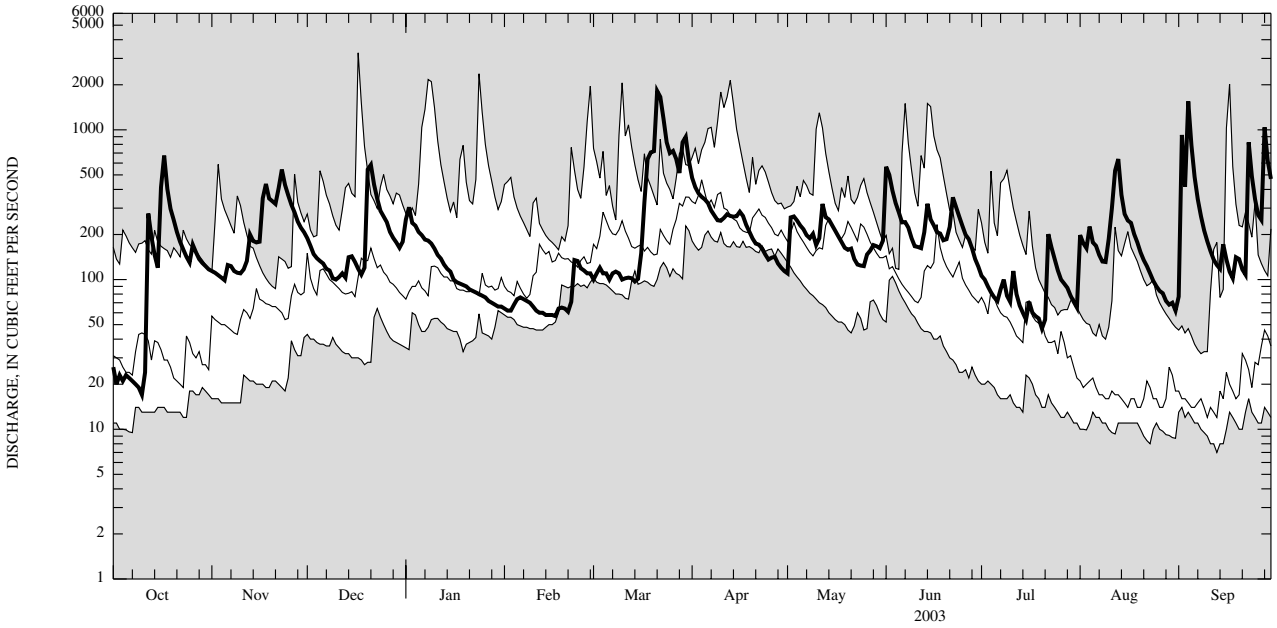
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	73.2	115	145	186	160	304	338	209	184	76.6	51.9	104
MAX	163	230	293	452	238	469	600	332	343	151	188	370
(WY)	(2000)	(2003)	(2001)	(1998)	(2000)	(2003)	(2001)	(1998)	(2000)	(1998)	(2003)	(2003)
MIN	16.5	24.5	38.9	67.7	76.7	109	211	70.3	54.2	16.9	14.0	13.3
(WY)	(1998)	(2002)	(1999)	(2001)	(2003)	(2001)	(2002)	(2001)	(1997)	(1997)	(2001)	(1998)

01413408 DRY BROOK AT ARKVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	52,696.4		78,602			
ANNUAL MEAN	144		215		166	
HIGHEST ANNUAL MEAN					215	2003
LOWEST ANNUAL MEAN					108	2002
HIGHEST DAILY MEAN	673	Oct 17	1,820	Mar 21	3,270	Dec 17, 2000
LOWEST DAILY MEAN	7.0	Sep 13	17	Oct 10	7.0	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	8.3	Sep 10	20	Oct 4	8.3	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.76		2.62		2.02	
ANNUAL RUNOFF (INCHES)	23.85		35.57		27.48	
10 PERCENT EXCEEDS	313		415		342	
50 PERCENT EXCEEDS	133		152		105	
90 PERCENT EXCEEDS	14		66		18	

e Estimated



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 21	1930	3,660	7.80	Sep 4	0645	*4,580	*8.53
Sep 2	0845	2,960	7.19				

Minimum discharge, 30 ft^3/s, Oct. 9, 10, 11, gage height, 2.38 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	198	355	544	e110	e190	855	232	848	189	326	115
2	40	191	309	653	e110	e190	760	991	800	174	382	1,320
3	40	183	269	499	e110	e210	709	935	673	155	284	702
4	37	174	246	e450	e130	e200	687	746	577	142	371	2,520
5	39	168	236	e410	e150	e180	688	626	511	130	304	1,360
6	41	215	230	e380	e140	e190	697	552	453	123	285	907
7	36	219	212	e360	e130	e180	606	478	453	163	245	681
8	34	194	204	e350	e130	e200	561	434	439	181	221	527
9	31	186	184	e330	e120	e200	529	459	357	136	206	423
10	30	181	177	e310	e110	e190	514	372	311	127	281	354
11	36	197	178	e280	e110	e180	527	409	312	300	405	301
12	429	240	198	e260	e100	e190	539	740	318	190	734	260
13	330	399	189	e250	e100	e200	512	591	396	140	825	234
14	239	345	247	e240	e100	e190	506	552	678	119	542	219
15	192	332	270	e230	e100	205	505	497	533	106	422	341
16	560	334	e200	e210	e100	341	531	450	470	143	383	277
17	1,030	603	e170	e200	e110	718	498	409	415	123	411	219
18	652	729	e160	e190	e120	1,270	439	366	402	118	332	189
19	485	582	e190	e180	123	1,420	395	329	362	129	284	232
20	427	565	920	e170	120	1,380	355	303	360	102	240	234
21	347	555	1,050	e160	123	3,240	329	313	468	118	211	195
22	297	693	819	e160	130	3,070	325	271	665	484	192	179
23	264	1,020	694	e150	271	2,260	301	243	558	364	170	1,050
24	235	801	579	e140	285	1,530	274	236	476	291	154	716
25	212	684	517	e150	e230	1,250	248	239	415	235	136	530
26	320	590	486	e140	e200	1,240	269	282	364	198	132	446
27	294	524	430	e130	e180	1,140	324	292	329	183	128	411
28	252	454	382	e140	e180	940	263	290	285	172	110	1,670
29	234	411	351	e130	---	1,230	245	283	242	149	100	1,150
30	220	386	321	e120	---	1,420	233	270	216	133	106	876
31	209	---	356	e120	---	1,040	---	297	---	118	98	---
TOTAL	7,639	12,353	11,129	8,036	3,922	26,384	14,224	13,487	13,686	5,435	9,020	18,638
MEAN	246	412	359	259	140	851	474	435	456	175	291	621
MAX	1,030	1,020	1,050	653	285	3,240	855	991	848	484	825	2,520
MIN	30	168	160	120	100	180	233	232	216	102	98	115
CFSM	1.51	2.53	2.20	1.59	0.86	5.22	2.91	2.67	2.80	1.08	1.79	3.81
IN.	1.74	2.82	2.54	1.83	0.90	6.02	3.25	3.08	3.12	1.24	2.06	4.25

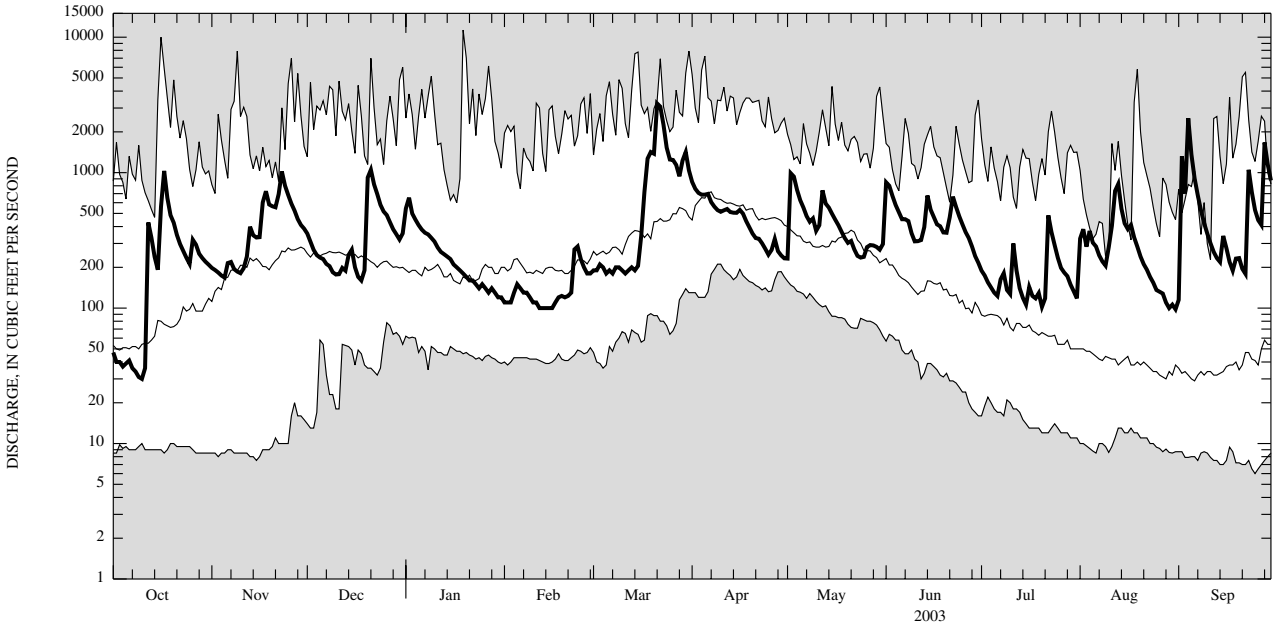
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	175	309	361	326	322	554	721	409	215	121	79.7	110
MAX	1,059	782	1,191	1,277	1,144	1,486	1,808	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)

01413500 EAST BRANCH DELAWARE RIVER AT MARGARETVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	100,320		143,953			
ANNUAL MEAN	275		394		307	
HIGHEST ANNUAL MEAN					489	1978
LOWEST ANNUAL MEAN					138	1965
HIGHEST DAILY MEAN	1,090	Mar 27	3,240	Mar 21	11,300	Jan 19, 1996
LOWEST DAILY MEAN	13	Sep 13	30	Oct 10	6.0	Sep 25, 1964
ANNUAL SEVEN-DAY MINIMUM	15	Sep 10	35	Oct 5	6.8	Sep 21, 1964
ANNUAL RUNOFF (CFSM)	1.69		2.42		1.89	
ANNUAL RUNOFF (INCHES)	22.90		32.85		25.61	
10 PERCENT EXCEEDS	629		742		696	
50 PERCENT EXCEEDS	240		284		170	
90 PERCENT EXCEEDS	24		120		29	

e Estimated



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 20	2315	786	5.28	Sep 4	0400	a*1,400	*6.19
May 2	1515	a1,260	6.01	Sep 28	0130	741	5.20

a From rating curve extended as explained above.

Minimum discharge, 8.7 ft^3/s, Oct. 10, gage height, 2.81 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	58	80	149	e27	e44	149	88	150	29	87	25
2	9.7	54	68	159	e26	e47	139	485	124	26	160	217
3	14	49	64	124	e26	e49	126	407	113	23	113	111
4	12	46	e62	117	e29	e48	130	275	97	21	135	630
5	20	44	e60	102	e32	e46	159	200	87	20	118	322
6	15	67	e54	95	e34	e46	148	159	74	23	107	209
7	13	60	e54	e86	e33	e46	130	125	84	33	87	157
8	12	54	e50	e80	e33	e45	123	112	72	27	71	125
9	10	51	e44	79	e32	e41	115	114	60	23	61	101
10	9.9	51	e45	71	e31	e39	103	82	51	20	56	81
11	15	70	e46	e68	e30	e37	99	106	63	86	92	68
12	180	98	e48	e62	e29	e35	91	173	62	34	100	58
13	114	144	e48	e58	e27	e34	83	153	85	25	86	51
14	87	128	e47	e52	e27	e33	79	143	140	22	72	47
15	68	121	e45	e50	e26	e36	74	122	119	18	62	52
16	211	121	e43	e48	e25	91	68	104	103	38	58	48
17	232	215	e42	e44	e25	191	60	89	85	24	52	36
18	185	194	e42	e41	e25	326	55	73	79	31	44	32
19	150	164	e54	e39	e27	349	48	63	66	26	39	34
20	131	161	e58	e38	e30	370	43	54	73	20	34	35
21	105	149	238	e37	e33	585	40	58	101	47	30	28
22	87	208	194	e36	e46	562	42	46	114	159	28	26
23	74	260	157	e35	e64	422	37	41	86	108	25	159
24	64	216	130	e34	e60	300	32	41	76	95	21	76
25	57	177	112	e33	e56	241	28	40	66	69	20	61
26	123	148	109	e32	e52	240	57	53	58	57	19	57
27	88	130	92	e31	e48	217	54	44	50	52	18	67
28	80	112	80	e30	e44	184	48	41	42	45	15	377
29	73	98	72	e29	---	194	49	40	37	38	14	219
30	68	92	66	e28	---	214	46	38	33	33	16	173
31	62	---	87	e27	---	177	---	56	---	28	13	---
TOTAL	2,380.6	3,540	2,391	1,914	977	5,289	2,455	3,625	2,450	1,300	1,853	3,682
MEAN	76.8	118	77.1	61.7	34.9	171	81.8	117	81.7	41.9	59.8	123
MAX	232	260	238	159	64	585	159	485	150	159	160	630
MIN	9.7	44	42	27	25	33	28	38	33	18	13	25
CFSM	2.20	3.38	2.21	1.77	1.00	4.89	2.34	3.35	2.34	1.20	1.71	3.52
IN.	2.54	3.77	2.55	2.04	1.04	5.64	2.62	3.86	2.61	1.39	1.98	3.92

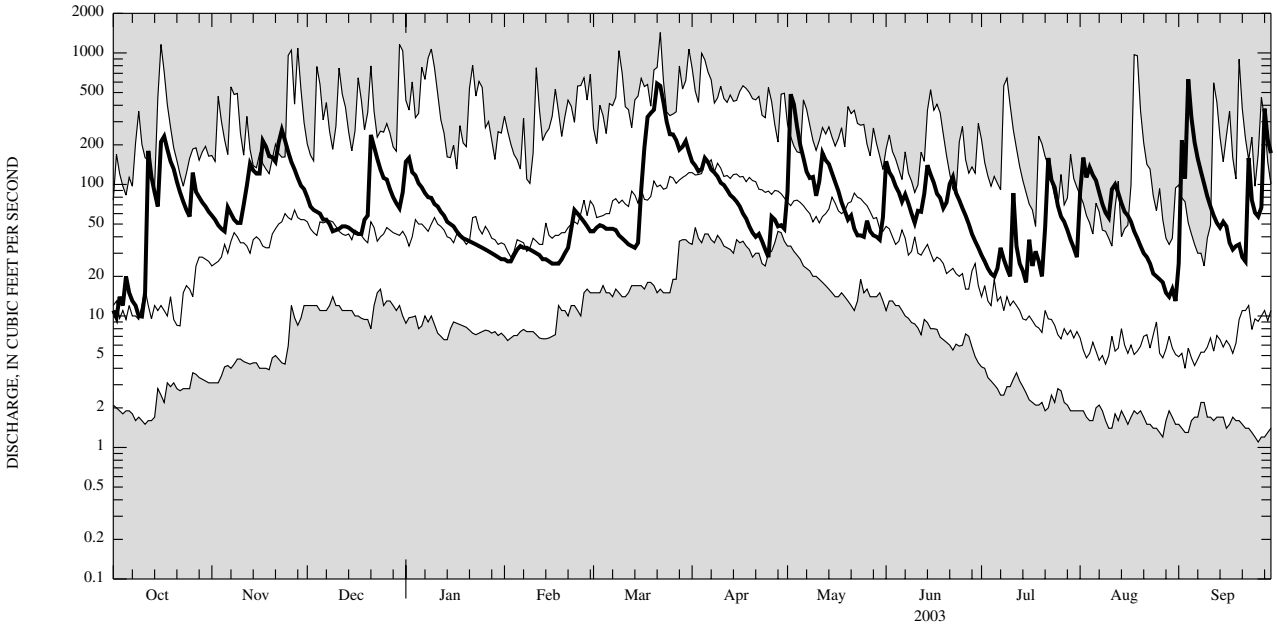
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2003, BY WATER YEAR (WY)

MEAN	33.1	64.1	70.3	74.1	68.0	123	143	82.8	44.1	22.6	16.2	24.3
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)

01414000 PLATTE KILL AT DUNRAVEN, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1942 - 2003	
ANNUAL TOTAL	24,783.2		31,856.6			
ANNUAL MEAN	67.9		87.3		64.1	
HIGHEST ANNUAL MEAN					90.7	1960
LOWEST ANNUAL MEAN					42.4	1962
HIGHEST DAILY MEAN	309	Feb 1	630	Sep 4	1,430	Mar 22, 1948
LOWEST DAILY MEAN	2.1	Aug 13	9.7	Oct 2	1.1	Sep 26, 1943
ANNUAL SEVEN-DAY MINIMUM	2.3	Aug 9	13	Oct 4	1.2	Sep 23, 1943
ANNUAL RUNOFF (CFSM)	1.95		2.50		1.84	
ANNUAL RUNOFF (INCHES)	26.42		33.96		24.95	
10 PERCENT EXCEEDS	162		177		146	
50 PERCENT EXCEEDS	55		60		36	
90 PERCENT EXCEEDS	3.8		26		4.6	

e Estimated



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. Satellite gage-height telemeter at station.

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)
Mar 21	0045	778	6.64	Sep 4	0400	*1,610	*8.25
Aug 12	2300	1,520	8.10	Sep 27	2345	1,090	7.51
Sep 2	0715	1,440	7.96				

Minimum discharge, 6.6 ft^3/s, Oct. 4, 5, gage height, 3.64 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	31	56	89	e19	e31	152	38	142	30	72	38
2	7.6	30	49	115	e18	e32	129	75	129	27	69	561
3	7.7	28	44	84	e18	e34	117	75	105	24	56	272
4	7.1	27	e42	77	e19	e33	104	71	92	21	68	698
5	8.4	26	41	68	e20	e31	101	67	79	19	64	335
6	8.2	40	37	63	e22	e31	91	63	68	17	61	214
7	7.8	40	37	60	e21	e31	80	58	67	29	53	143
8	7.7	36	32	57	e21	e30	86	55	61	27	53	109
9	7.3	35	30	54	e20	e28	87	55	53	21	51	89
10	7.1	35	e31	50	e20	e27	75	49	47	19	55	75
11	9.4	39	e32	47	e19	e25	73	53	47	30	113	65
12	58	47	e33	e43	e18	e24	77	92	51	21	348	56
13	46	73	29	e40	e18	23	77	81	76	18	491	50
14	39	67	e29	e37	e17	22	75	78	151	16	250	47
15	33	63	e28	e34	e17	22	72	72	110	14	160	58
16	166	67	e28	e32	e16	37	75	66	90	21	117	52
17	240	146	e28	e30	e16	84	69	60	75	17	124	46
18	127	142	e28	e28	e16	175	61	55	69	17	102	42
19	91	118	e43	e27	e17	183	55	50	60	15	87	52
20	75	109	226	e26	e18	204	51	45	59	14	72	57
21	62	106	232	e25	e18	629	47	49	65	16	62	50
22	53	168	146	e25	e19	499	47	42	102	57	55	46
23	47	181	108	e24	e30	339	45	38	85	65	49	298
24	42	139	89	e23	e42	209	41	36	73	56	45	160
25	38	112	80	e23	e40	163	37	35	64	45	41	108
26	48	97	72	e22	e35	177	42	43	56	39	38	87
27	43	86	61	e22	e33	144	44	43	49	35	35	113
28	39	74	56	e21	e31	109	40	48	44	31	32	580
29	37	67	52	e20	---	245	38	45	39	27	30	303
30	35	61	47	e19	---	319	37	45	35	24	31	183
31	33	---	58	e19	---	203	---	57	---	21	28	---
TOTAL	1,438.5	2,290	1,904	1,304	618	4,143	2,125	1,739	2,243	833	2,912	4,987
MEAN	46.4	76.3	61.4	42.1	22.1	134	70.8	56.1	74.8	26.9	93.9	166
MAX	240	181	232	115	42	629	152	92	151	65	491	698
MIN	7.1	26	28	19	16	22	37	35	35	14	28	38
CFSM	1.84	3.03	2.44	1.67	0.88	5.30	2.81	2.23	2.97	1.07	3.73	6.60
IN.	2.12	3.38	2.81	1.92	0.91	6.12	3.14	2.57	3.31	1.23	4.30	7.36

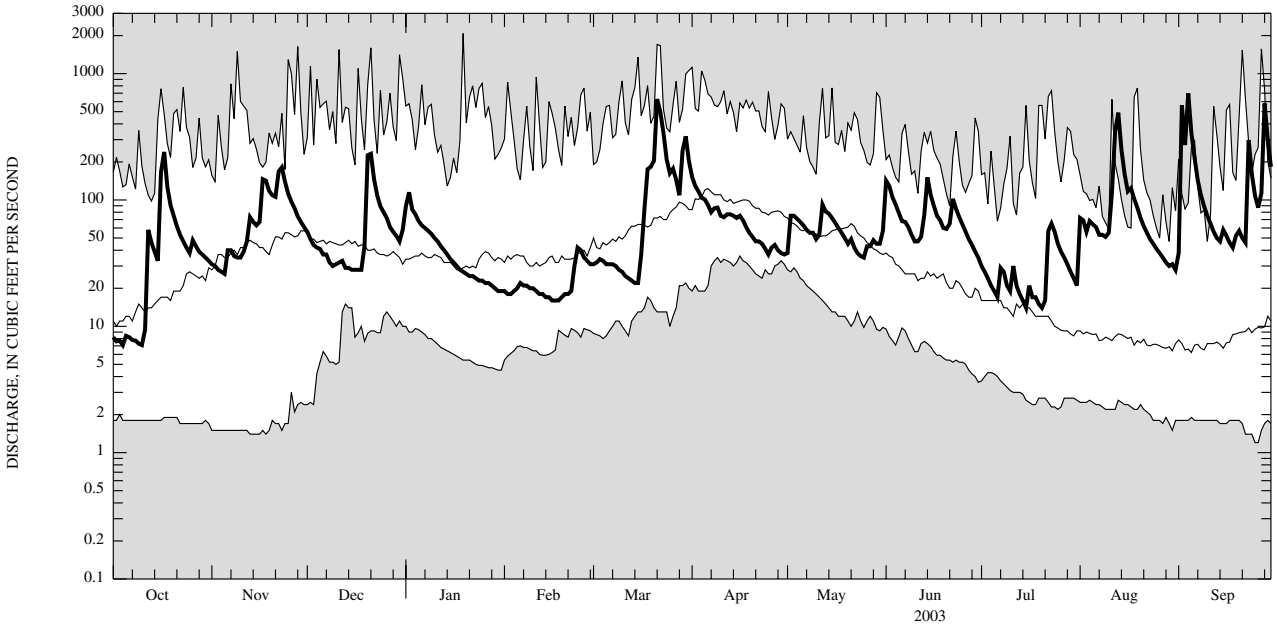
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	33.7	62.9	66.9	54.9	55.6	93.8	125	70.9	37.4	22.6	15.8	22.5
MAX	128	158	210	171	206	216	294	171	98.2	136	93.9	166
(WY)	(1978)	(1960)	(1974)	(1996)	(1981)	(1948)	(1940)	(1940)	(2000)	(1945)	(2003)	(2003)
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)

01414500 MILL BROOK NEAR DUNRAVEN, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	18,941.5		26,536.5			
ANNUAL MEAN	51.9		72.7		55.0	
HIGHEST ANNUAL MEAN					83.3	1960
LOWEST ANNUAL MEAN					28.1	1965
HIGHEST DAILY MEAN	396	Jun 7	698	Sep 4	2,080	Jan 19, 1996
LOWEST DAILY MEAN	2.9	Sep 13	7.1	Oct 4	1.2	Sep 25, 1939
ANNUAL SEVEN-DAY MINIMUM	3.1	Sep 8	7.7	Oct 4	1.4	Nov 12, 1964
ANNUAL RUNOFF (CFSM)	2.06		2.89		2.18	
ANNUAL RUNOFF (INCHES)	27.96		39.17		29.66	
10 PERCENT EXCEEDS	112		145		120	
50 PERCENT EXCEEDS	44		47		32	
90 PERCENT EXCEEDS	4.0		19		5.8	

e Estimated



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. Satellite gage-height telemeter at station.

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 21	0100	991	4.83	Sep 2	0730	846	4.67
May 2	1500	917	4.75	Sep 4	0530	*1,590	*5.36

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	e44	69	104	25	e40	127	126	100	23	77	24
2	22	e42	59	155	25	e47	122	537	81	20	207	319
3	25	e37	56	117	23	e50	118	354	74	19	129	148
4	21	e36	44	e100	e31	e49	123	227	70	17	190	697
5	27	37	e41	e90	e41	47	153	168	67	16	145	298
6	21	60	e39	e84	e36	e45	141	136	59	19	132	183
7	19	55	e38	e78	e30	e43	122	111	68	17	100	130
8	17	48	36	e74	e33	e42	117	101	63	17	85	99
9	15	46	e35	e70	e29	40	111	100	51	17	75	75
10	14	46	e34	e64	e27	e38	102	76	43	15	72	59
11	19	52	e34	e58	e26	e35	101	82	55	71	159	49
12	157	71	e34	e54	e27	e33	101	118	56	28	163	41
13	99	115	e38	e52	e39	e33	91	104	77	19	123	36
14	74	98	e49	e48	e35	e34	85	99	143	16	98	34
15	53	92	e54	e46	e28	35	78	86	109	14	75	35
16	e200	94	e47	e42	e26	69	71	76	92	32	62	40
17	e240	160	e42	e40	e23	154	62	67	74	19	53	26
18	e180	154	e39	e38	e26	295	56	58	68	23	44	22
19	e140	139	e41	e37	e24	332	51	51	58	23	36	22
20	e110	139	e120	e37	e22	362	45	44	61	17	31	24
21	e80	134	199	e35	e22	790	42	51	91	46	27	19
22	e68	171	164	e33	e27	641	46	41	103	143	24	18
23	e60	217	136	e32	e40	421	43	37	76	102	21	194
24	e50	182	112	e30	e58	276	39	38	63	83	18	98
25	e43	154	97	e28	e45	221	34	37	54	61	17	70
26	e40	130	94	e29	e40	211	103	49	47	48	16	58
27	e68	114	79	e30	e35	182	119	42	40	40	16	51
28	e60	97	69	e28	e37	147	104	37	34	35	14	110
29	e56	85	62	e27	---	160	93	35	30	28	13	84
30	e50	78	56	27	---	178	80	34	26	24	14	69
31	e46	---	64	24	---	e150	---	48	---	21	13	---
TOTAL	2,099	2,927	2,081	1,711	880	5,200	2,680	3,170	2,033	1,073	2,249	3,132
MEAN	67.7	97.6	67.1	55.2	31.4	168	89.3	102	67.8	34.6	72.5	104
MAX	240	217	199	155	58	790	153	537	143	143	207	697
MIN	14	36	34	24	22	33	34	34	26	14	13	18
CFSM	2.04	2.94	2.02	1.66	0.95	5.05	2.69	3.08	2.04	1.04	2.19	3.14
IN.	2.35	3.28	2.33	1.92	0.99	5.83	3.00	3.55	2.28	1.20	2.52	3.51

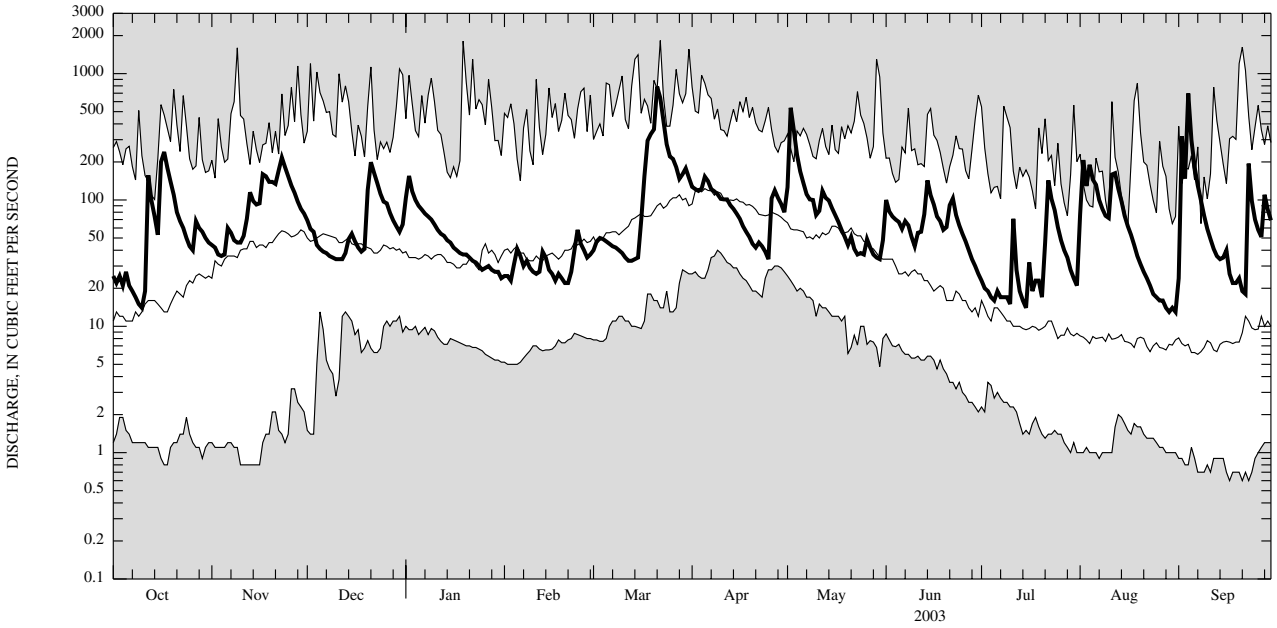
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	35.1	62.4	70.4	62.9	64.9	110	125	71.6	37.4	20.8	17.0	25.2
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)

01415000 TREMPER KILL NEAR ANDES, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	20,770.4		29,235			
ANNUAL MEAN	56.9		80.1		58.4	
HIGHEST ANNUAL MEAN					89.6	1960
LOWEST ANNUAL MEAN					26.6	1965
HIGHEST DAILY MEAN	240	Oct 17	790	Mar 21	1,830	Mar 22, 1948
LOWEST DAILY MEAN	2.0	Aug 13	13	Aug 29	0.60	Sep 17, 1964
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 9	15	Aug 25	0.66	Sep 17, 1964
ANNUAL RUNOFF (CFSM)	1.71		2.41		1.76	
ANNUAL RUNOFF (INCHES)	23.27		32.76		23.92	
10 PERCENT EXCEEDS	137		154		133	
50 PERCENT EXCEEDS	46		53		33	
90 PERCENT EXCEEDS	7.3		22		5.2	

e Estimated



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.--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, 5,860 ft^3/s, Sept. 4, gage height, 7.06 ft; minimum discharge, 38 ft^3/s, Dec. 1, 2; minimum gage height, 2.67 ft, Mar. 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	43	40	47	45	44	2,110	333	863	87	88	76
2	46	43	38	47	45	44	1,790	1,600	1,310	87	87	424
3	45	43	39	47	45	44	1,640	2,620	1,330	87	87	1,120
4	45	43	39	47	45	44	1,540	2,260	1,270	87	87	e4,600
5	44	43	40	47	45	44	1,560	1,800	1,140	87	88	4,550
6	44	43	41	47	45	44	1,550	1,390	959	87	89	2,910
7	44	43	41	47	45	44	1,460	910	586	88	90	2,000
8	44	43	41	47	45	45	1,290	566	440	87	90	1,410
9	44	43	41	47	45	45	801	429	286	87	90	930
10	44	43	42	47	45	45	538	279	367	87	90	587
11	45	43	42	47	45	45	452	208	507	88	222	211
12	45	44	43	47	45	44	441	462	635	87	600	71
13	45	43	43	47	45	45	399	525	855	87	1,310	69
14	45	42	43	49	45	44	366	511	1,260	87	1,260	68
15	45	42	44	48	45	47	351	450	1,380	87	801	114
16	44	42	44	45	45	48	345	368	1,200	88	454	301
17	43	43	44	45	45	46	339	279	848	87	356	484
18	43	42	45	45	44	46	256	205	538	87	300	497
19	43	41	45	45	44	46	190	141	370	87	257	308
20	43	44	46	46	43	47	128	87	293	87	198	68
21	42	41	46	46	43	48	78	69	594	94	156	67
22	42	41	46	45	44	49	69	73	1,010	84	131	67
23	43	41	46	46	44	49	89	64	1,070	85	89	312
24	43	41	46	46	44	49	86	65	748	89	89	1,030
25	43	41	51	46	44	48	77	64	549	88	90	922
26	43	41	72	46	44	47	128	64	547	90	90	862
27	43	40	71	46	47	47	314	63	352	90	90	905
28	43	40	71	46	44	335	324	64	171	90	90	2,340
29	43	40	71	45	---	1,370	288	65	146	90	90	2,810
30	43	40	56	45	---	2,630	288	128	119	87	90	2,270
31	43	---	46	45	---	2,520	---	318	---	87	90	---
TOTAL	1,363	1,262	1,463	1,436	1,250	8,093	19,287	16,460	21,743	2,717	7,739	32,383
MEAN	44.0	42.1	47.2	46.3	44.6	261	643	531	725	87.6	250	1,079
MAX	51	44	72	49	47	2,630	2,110	2,620	1,380	94	1,310	4,600
MIN	42	40	38	45	43	44	69	63	119	84	87	67

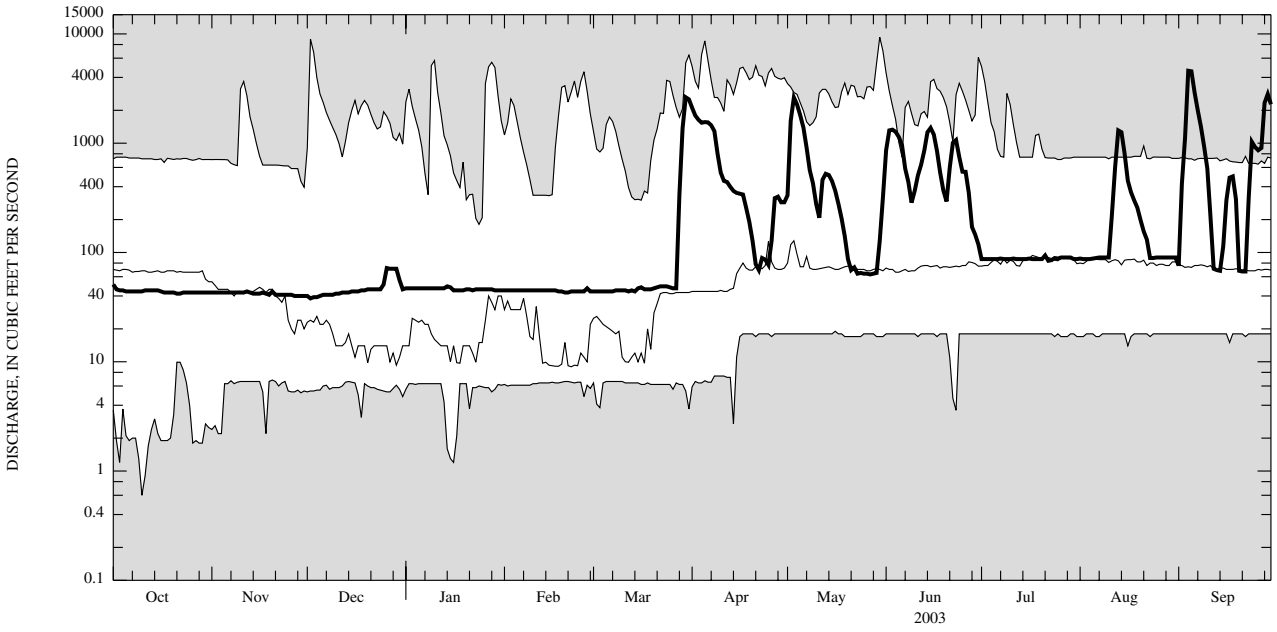
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2003, BY WATER YEAR (WY)

MEAN	161	134	91.3	83.4	82.4	121	521	387	211	168	170	201
MAX	714	638	2,035	1,258	1,208	621	1,871	1,379	901	739	739	1,079
(WY)	(1962)	(1997)	(1997)	(1978)	(1976)	(1975)	(1993)	(1984)	(2000)	(1962)	(1956)	(2003)
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)

01417000 EAST BRANCH DELAWARE RIVER AT DOWNSVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1955 - 2003	
ANNUAL TOTAL	16,168.7		115,196			
ANNUAL MEAN	44.3		316		194	
HIGHEST ANNUAL MEAN					507	1956
LOWEST ANNUAL MEAN					57.1	1999
HIGHEST DAILY MEAN	145	Aug 13	4,600	Sep 4	9,340	May 30, 1984
LOWEST DAILY MEAN	5.8	Jan 22	38	Dec 2	0.60	Oct 10, 1954
ANNUAL SEVEN-DAY MINIMUM	5.8	Jan 22	39	Nov 28	1.5	Oct 6, 1954
10 PERCENT EXCEEDS	96		1,020		577	
50 PERCENT EXCEEDS	42		67		54	
90 PERCENT EXCEEDS	6.5		43		7.4	

e Estimated



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, 7,000 ft^3/s, Sept. 4, gage height, 9.97 ft; minimum discharge, 73 ft^3/s, Oct. 2, 9, 10, 11; minimum gage height, 2.35 ft, Oct. 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	195	238	260	e110	e180	2,570	524	871	175	178	132
2	79	186	207	503	e110	e190	2,180	1,640	1,460	160	281	1,670
3	100	174	170	425	115	e200	1,990	2,910	1,570	150	222	1,960
4	94	163	161	397	149	e220	1,860	2,620	1,520	151	230	5,830
5	92	154	150	343	e180	e185	1,860	e2,050	1,370	146	230	5,990
6	88	209	e155	316	e170	e175	1,820	e1,600	1,190	141	400	4,090
7	83	220	e135	293	e160	e195	1,730	e1,200	850	164	345	2,770
8	80	202	e130	282	e180	e165	1,590	874	691	179	317	1,960
9	75	200	120	270	e150	e155	1,130	714	493	153	307	1,250
10	73	195	106	255	e145	e140	862	531	448	148	287	880
11	85	198	122	225	e140	e170	772	393	616	436	461	508
12	513	216	159	217	e140	e150	797	664	768	303	1,070	201
13	406	369	161	187	e155	e140	775	778	1,080	239	1,710	169
14	293	340	203	187	e150	e130	733	773	1,680	207	1,760	159
15	232	330	257	180	e125	e135	686	710	1,920	186	1,280	228
16	561	320	244	e170	e120	173	641	612	1,710	229	746	371
17	1,390	490	219	e160	e115	335	600	489	1,240	198	315	601
18	853	573	179	e155	e115	865	495	391	890	187	133	592
19	576	523	218	e150	e110	1,200	397	299	655	183	255	565
20	448	491	351	e140	e120	1,130	308	227	499	167	324	189
21	353	465	542	e140	e120	2,750	235	196	804	169	239	153
22	291	492	485	e135	130	2,810	206	173	1,260	288	226	140
23	249	595	428	e135	206	2,030	207	159	1,480	288	158	961
24	217	539	e340	e130	e230	1,320	200	156	1,130	330	140	1,650
25	195	479	e270	e125	e210	1,080	182	156	856	280	134	1,450
26	288	409	e290	e120	e230	1,110	315	175	727	245	130	1,190
27	284	361	e320	e120	e210	965	734	177	656	225	126	1,160
28	254	311	e280	e115	e200	884	736	169	337	210	120	2,590
29	240	278	e250	e115	---	1,740	649	168	264	186	120	3,490
30	224	254	e220	e115	---	3,190	581	182	240	170	132	2,830
31	209	---	211	e110	---	3,070	---	330	---	157	117	---
TOTAL	9,018	9,931	7,321	6,475	4,295	27,182	27,841	22,040	29,275	6,450	12,493	45,729
MEAN	291	331	236	209	153	877	928	711	976	208	403	1,524
MAX	1,390	595	542	503	230	3,190	2,570	2,910	1,920	436	1,760	5,990
MIN	73	154	106	110	110	130	182	156	240	141	117	132

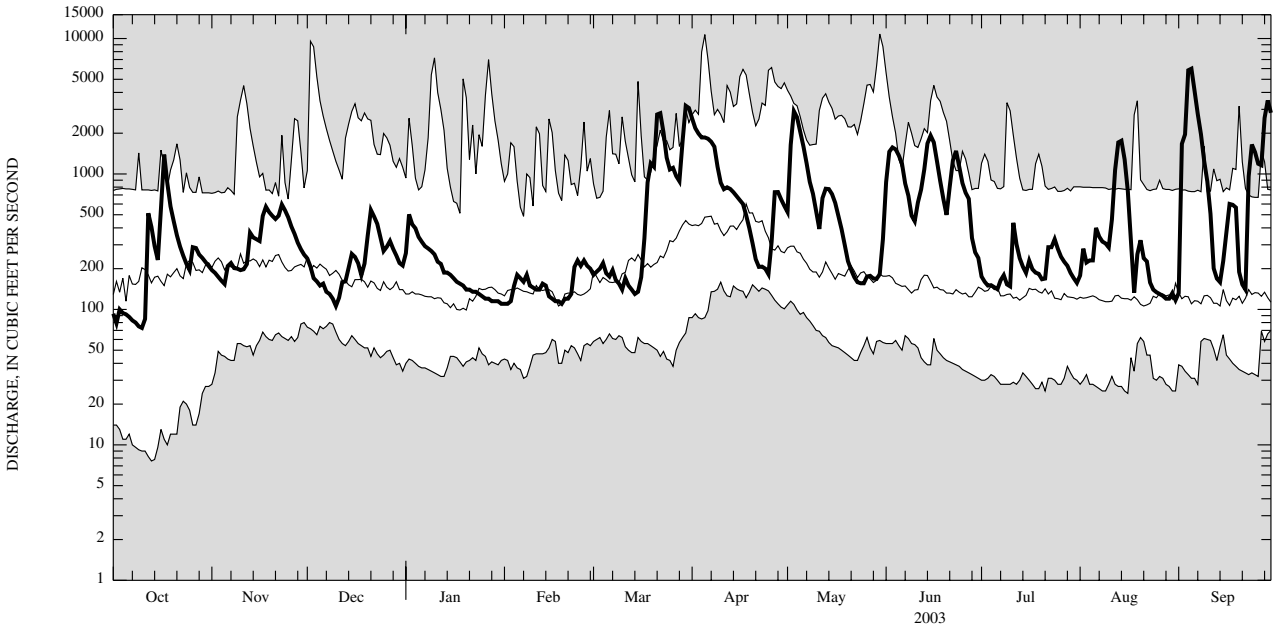
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2003, BY WATER YEAR (WY)

MEAN	275	329	283	238	211	356	758	508	313	233	253	302
MAX	745	949	2,327	1,558	725	877	2,477	1,670	1,117	767	770	1,524
(WY)	(1962)	(1997)	(1997)	(1978)	(1981)	(2003)	(1993)	(1984)	(2000)	(1962)	(1956)	(2003)
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)

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1955 - 2003	
ANNUAL TOTAL	82,024		208,050			
ANNUAL MEAN	225		570		334	
HIGHEST ANNUAL MEAN					688	1956
LOWEST ANNUAL MEAN					175	1999
HIGHEST DAILY MEAN	1,390	Oct 17	5,990	Sep 5	10,800	May 30, 1984
LOWEST DAILY MEAN	38	Jan 19	73	Oct 10	7.6	Oct 13, 1954
ANNUAL SEVEN-DAY MINIMUM	42	Jan 17	82	Oct 5	8.6	Oct 8, 1954
10 PERCENT EXCEEDS	474		1,540		716	
50 PERCENT EXCEEDS	159		254		170	
90 PERCENT EXCEEDS	79		130		78	

e Estimated



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. Interruption of record was due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1978, 1981-82, 1984-2003), 28.0°C, June 30, 1981; minimum (water years 1979-87, 1989-2003), 0.0°C on many days during winter periods, except 1989, 1998.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 22.5°C, July 5, 6; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.0	13.0	15.0	6.0	5.0	5.5	3.5	1.5	2.5	3.5	3.0	3.5
2	18.5	15.0	16.5	5.0	4.5	5.0	2.0	1.0	1.5	3.0	2.0	2.5
3	17.0	15.5	16.5	5.5	4.5	5.0	1.5	0.0	0.5	2.0	0.5	1.5
4	15.5	14.5	15.0	5.5	4.5	5.0	0.5	0.0	0.5	1.5	0.5	1.0
5	16.5	14.5	15.5	6.5	5.0	5.5	0.5	0.0	0.0	2.0	1.5	2.0
6	15.5	13.0	14.5	6.0	5.5	6.0	0.5	0.0	0.5	2.5	1.5	2.0
7	15.0	13.0	14.0	6.0	4.5	5.5	0.5	0.0	0.0	2.0	0.5	1.0
8	13.5	11.0	12.5	6.0	3.5	5.0	0.5	0.0	0.5	1.5	0.5	1.0
9	13.0	11.0	12.0	7.0	4.5	6.0	0.5	0.0	0.0	2.5	1.5	2.5
10	12.5	12.0	12.5	9.5	6.5	7.5	0.5	0.0	0.0	2.5	1.0	2.0
11	12.5	12.0	12.5	11.0	9.5	10.5	0.5	0.0	0.0	1.0	0.0	0.0
12	12.5	11.5	12.0	10.5	9.0	9.5	0.5	0.0	0.5	0.5	0.0	0.0
13	13.0	12.0	12.5	9.0	7.5	8.0	0.5	0.5	0.5	0.5	0.0	0.0
14	12.0	9.5	11.0	7.5	6.5	7.0	0.5	0.5	0.5	0.0	0.0	0.0
15	10.0	8.5	9.5	8.0	6.5	7.5	2.5	0.5	1.5	0.0	0.0	0.0
16	9.5	9.5	9.5	7.5	6.5	7.0	2.5	1.5	2.0	0.0	0.0	0.0
17	10.0	9.5	9.5	6.5	6.0	6.5	1.5	0.0	0.5	0.0	0.0	0.0
18	10.0	9.0	9.5	6.0	4.5	5.0	0.5	0.0	0.0	0.5	0.0	0.0
19	9.0	8.5	9.0	5.5	4.5	5.0	0.5	0.0	0.5	0.5	0.0	0.0
20	9.5	8.0	9.0	6.0	5.0	5.5	2.5	0.5	1.5	0.0	0.0	0.0
21	9.0	7.5	8.5	6.0	5.5	5.5	3.0	2.5	2.5	0.0	0.0	0.0
22	9.0	6.5	8.0	6.5	6.0	6.5	3.5	2.5	3.0	0.5	0.0	0.0
23	8.5	7.5	8.0	6.5	4.5	5.0	3.0	2.5	3.0	0.5	0.0	0.0
24	8.0	6.0	7.0	5.0	4.0	4.5	2.5	2.0	2.5	0.5	0.0	0.0
25	7.5	6.0	7.0	5.0	4.5	5.0	2.0	0.0	1.0	0.5	0.0	0.0
26	8.5	7.0	7.5	5.0	4.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0
27	8.5	8.0	8.0	4.5	3.0	4.0	0.5	0.0	0.5	0.0	0.0	0.0
28	8.0	7.0	7.5	3.0	2.0	2.5	0.5	0.0	0.5	0.0	0.0	0.0
29	7.0	5.5	6.5	2.5	2.0	2.5	1.5	0.5	0.5	0.0	0.0	0.0
30	6.5	5.5	6.0	4.0	2.5	3.0	2.5	1.5	2.0	0.5	0.0	0.0
31	6.5	4.5	5.5	---	---	---	4.0	2.0	3.0	0.5	0.0	0.0
MONTH	18.5	4.5	10.6	11.0	2.0	5.7	4.0	0.0	1.0	3.5	0.0	0.6

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.5	0.0	0.5	3.0	2.5	2.5	12.5	8.0	10.0
2	0.0	0.0	0.0	0.5	0.0	0.5	4.5	3.0	3.5	12.0	8.0	9.5
3	0.5	0.0	0.5	0.5	0.0	0.0	4.0	3.5	4.0	10.5	7.5	8.5
4	0.5	0.0	0.0	0.5	0.0	0.0	4.0	3.0	3.5	11.0	8.0	9.5
5	0.5	0.0	0.0	0.5	0.0	0.5	3.0	2.0	3.0	12.5	---	---
6	0.5	0.0	0.0	0.5	0.0	0.0	5.0	2.5	3.5	---	---	---
7	0.5	0.0	0.0	0.5	0.0	0.0	3.0	2.5	3.0	---	---	---
8	0.5	0.0	0.0	0.5	0.0	0.5	3.5	2.5	3.0	11.5	10.0	11.0
9	0.0	0.0	0.0	1.0	0.5	0.5	4.0	3.0	3.5	13.0	10.0	11.5
10	0.0	0.0	0.0	0.5	0.0	0.0	7.0	3.5	5.0	13.5	9.5	12.0
11	0.0	0.0	0.0	0.5	0.0	0.0	5.5	3.5	4.5	12.5	11.5	12.0
12	0.0	0.0	0.0	1.0	0.0	0.5	8.5	4.5	6.0	12.0	11.0	11.5
13	0.5	0.0	0.0	1.5	0.5	1.0	8.0	4.5	6.0	11.5	8.0	9.5
14	0.5	0.0	0.0	2.0	0.0	1.0	8.0	3.5	6.0	8.5	7.5	8.0
15	0.5	0.0	0.0	4.5	1.0	2.5	10.0	5.5	8.0	12.0	7.0	9.5
16	0.5	0.0	0.0	6.0	2.5	4.5	10.5	7.0	9.0	13.5	10.5	12.0
17	0.0	0.0	0.0	6.0	3.5	4.5	8.5	5.5	6.5	14.5	10.0	12.0
18	0.0	0.0	0.0	4.0	2.0	3.0	5.5	4.0	5.0	15.5	10.5	13.0
19	0.5	0.0	0.0	4.5	1.5	3.0	9.5	5.0	7.0	16.0	11.5	13.5
20	0.5	0.0	0.0	3.5	2.5	3.0	11.5	7.5	9.5	16.5	12.0	14.0
21	0.5	0.0	0.0	5.5	2.0	3.5	10.0	8.0	9.5	14.5	12.5	13.5
22	0.5	0.0	0.0	6.0	3.5	4.5	10.0	8.5	9.0	13.5	10.5	12.0
23	0.5	0.0	0.0	5.0	4.0	4.5	9.0	5.5	7.0	12.5	11.0	12.0
24	0.0	0.0	0.0	7.0	3.5	5.0	10.0	4.5	7.0	12.0	11.0	11.5
25	0.5	0.0	0.0	8.0	4.5	6.0	12.0	6.0	9.0	14.0	11.0	12.5
26	0.5	0.0	0.0	7.0	5.0	6.0	10.5	8.0	9.0	13.5	12.0	12.5
27	0.0	0.0	0.0	7.5	4.5	5.5	11.5	7.5	9.5	15.0	11.0	13.0
28	0.5	0.0	0.5	8.0	5.0	6.5	12.0	7.0	9.5	15.0	12.5	13.5
29	---	---	---	7.0	5.0	6.0	10.5	8.0	9.5	15.0	12.0	13.5
30	---	---	---	5.0	3.0	4.0	10.5	7.0	9.0	17.0	12.5	14.5
31	---	---	---	4.5	2.5	3.5	---	---	---	14.5	11.5	12.5
MONTH	0.5	0.0	0.0	8.0	0.0	2.6	12.0	2.0	6.3	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.0	12.0	12.5	19.0	13.0	16.0	19.0	15.0	16.5	15.5	13.5	14.0
2	14.5	12.0	13.0	20.5	15.0	18.0	18.5	13.5	16.0	15.0	11.5	13.5
3	14.0	10.5	12.5	21.5	15.5	18.5	19.5	17.0	18.5	12.0	10.0	11.0
4	14.0	12.5	13.5	21.5	17.0	19.5	18.5	17.0	17.5	19.0	12.0	16.0
5	15.0	13.5	14.0	22.5	17.5	20.0	19.0	16.0	17.5	19.5	18.5	19.0
6	16.0	13.0	14.5	22.5	18.5	20.5	17.5	15.5	16.5	20.0	18.0	19.0
7	14.0	13.5	14.0	21.0	18.0	19.5	18.0	15.5	16.5	20.0	18.0	19.0
8	14.5	13.5	14.0	20.5	16.5	18.5	19.0	16.0	17.0	20.0	18.5	19.0
9	15.5	13.5	14.5	19.5	15.5	17.0	17.5	16.0	16.5	19.5	16.0	18.5
10	17.0	13.5	15.5	17.5	14.0	16.0	18.0	15.5	16.5	16.0	14.0	15.0
11	16.0	13.5	14.5	16.5	14.5	15.0	17.0	14.0	16.0	14.5	11.5	13.0
12	16.0	14.5	15.5	17.0	14.0	15.5	14.5	11.5	13.5	17.0	13.0	15.0
13	16.5	15.5	16.0	17.0	14.5	15.5	16.0	9.5	13.0	15.5	14.0	15.0
14	18.0	15.5	16.5	19.0	14.0	16.0	17.0	14.5	15.5	17.0	14.5	15.5
15	18.0	14.5	16.0	20.5	15.0	17.5	15.5	13.5	14.5	16.5	16.0	16.5
16	18.5	15.0	16.5	20.0	16.5	18.5	14.5	12.0	13.5	16.0	13.0	15.0
17	19.0	15.5	17.0	21.0	16.0	18.5	13.5	12.0	12.5	13.0	9.0	10.5
18	17.0	15.5	16.0	19.5	15.5	17.0	16.0	12.0	14.0	10.5	8.0	9.5
19	18.0	15.0	16.5	18.5	13.0	16.0	17.0	13.5	15.0	12.0	9.5	11.0
20	17.0	14.0	15.5	19.5	14.5	17.0	16.5	13.5	14.5	15.5	12.0	13.5
21	15.5	13.5	14.5	19.0	15.5	17.5	17.0	13.5	15.0	17.0	13.0	15.0
22	16.5	15.0	16.0	17.5	15.5	16.5	16.5	13.5	15.0	15.0	13.5	14.0
23	20.0	16.0	18.0	17.0	15.0	16.0	18.0	13.0	15.5	15.5	13.0	14.5
24	20.5	16.0	18.5	18.0	15.0	16.5	18.0	13.0	15.5	17.0	12.5	15.0
25	21.0	16.5	19.0	20.0	15.5	17.5	18.0	14.5	16.0	16.5	15.0	16.0
26	21.5	17.5	19.5	19.5	15.5	17.5	18.0	15.0	16.5	17.5	15.5	16.5
27	20.5	16.0	18.0	17.5	15.5	16.5	19.5	15.5	17.0	18.0	16.5	17.5
28	18.5	14.5	16.5	19.5	14.5	17.0	19.0	15.0	17.0	17.5	17.0	17.0
29	17.5	15.0	16.0	20.0	15.0	17.5	17.0	14.0	15.5	17.5	16.5	17.0
30	17.0	14.0	15.5	19.5	15.5	17.5	16.5	14.0	15.0	17.0	15.5	16.0
31	---	---	---	20.0	15.5	18.0	17.0	12.5	14.5	---	---	---
MONTH	21.5	10.5	15.7	22.5	13.0	17.4	19.5	9.5	15.6	20.0	8.0	15.2

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 and telephone 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)
Oct 16	2315	5,350	8.02	Sep 4	0630	*13,200	*11.33
Mar 21	2015	8,770	9.69	Sep 23	1245	8,560	9.60
Sep 2	1045	9,850	10.13	Sep 28	1000	8,350	9.51

Minimum discharge, 112 ft^3/s, Oct. 10, gage height, 1.40 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	371	564	634	e190	e310	1,440	394	1,510	322	683	248
2	119	355	500	2,180	e200	e400	1,250	946	1,180	291	987	4,950
3	153	339	436	1,320	e210	e450	1,240	1,060	867	268	891	2,320
4	142	317	388	1,060	e240	e400	1,160	784	807	260	1,350	7,560
5	168	305	381	865	e350	e370	1,070	680	738	257	1,290	2,760
6	175	479	392	771	e290	e350	946	639	648	222	1,150	1,510
7	146	543	316	692	e250	e330	866	585	623	224	886	1,050
8	130	439	332	657	e250	e320	787	562	667	361	707	809
9	118	400	269	621	e240	e310	714	547	583	275	622	658
10	113	382	244	e520	e230	e300	702	491	558	283	777	556
11	163	393	298	e470	e220	e300	903	523	541	341	1,610	484
12	1,490	451	382	e420	e210	e290	1,240	974	586	282	2,130	430
13	1,030	792	359	e370	e210	e290	1,060	793	1,280	228	1,460	391
14	728	647	540	e350	e210	e290	878	700	1,800	203	1,030	387
15	527	573	607	e320	e200	e300	795	624	1,250	182	798	492
16	1,570	549	499	e310	e200	393	734	563	945	232	667	520
17	3,040	1,690	398	e290	e200	720	655	519	768	216	669	390
18	1,470	1,900	327	e280	e200	1,810	591	475	694	185	595	335
19	1,020	1,310	420	e270	e200	2,310	548	436	639	178	525	390
20	851	1,120	1,040	e270	e200	2,060	503	401	598	157	444	507
21	685	1,040	1,590	e260	e220	7,530	473	439	972	151	396	393
22	577	1,300	1,080	e260	e260	6,430	496	404	1,450	646	355	342
23	505	1,980	876	e250	e370	4,400	466	368	1,120	839	324	4,070
24	448	1,360	740	e250	e560	2,870	426	373	790	602	284	2,260
25	405	1,110	e620	e250	e420	2,590	387	415	640	455	260	1,280
26	643	939	e580	e240	e370	2,690	457	536	549	356	243	994
27	658	846	e540	e240	e340	2,220	596	674	484	330	228	858
28	528	727	530	e230	e320	1,770	482	559	428	310	205	4,740
29	464	658	492	e220	---	2,420	439	511	391	265	197	2,450
30	429	607	455	e200	---	3,010	410	461	360	238	254	1,490
31	397	---	491	e200	---	1,910	---	524	---	217	207	---
TOTAL	19,028	23,922	16,686	15,270	7,360	50,143	22,714	17,960	24,466	9,376	22,224	45,624
MEAN	614	797	538	493	263	1,618	757	579	816	302	717	1,521
MAX	3,040	1,980	1,590	2,180	560	7,530	1,440	1,060	1,800	839	2,130	7,560
MIN	113	305	244	200	190	290	387	368	360	151	197	248
CFSM	2.55	3.31	2.23	2.04	1.09	6.71	3.14	2.40	3.38	1.25	2.97	6.31
IN.	2.94	3.69	2.58	2.36	1.14	7.74	3.51	2.77	3.78	1.45	3.43	7.04

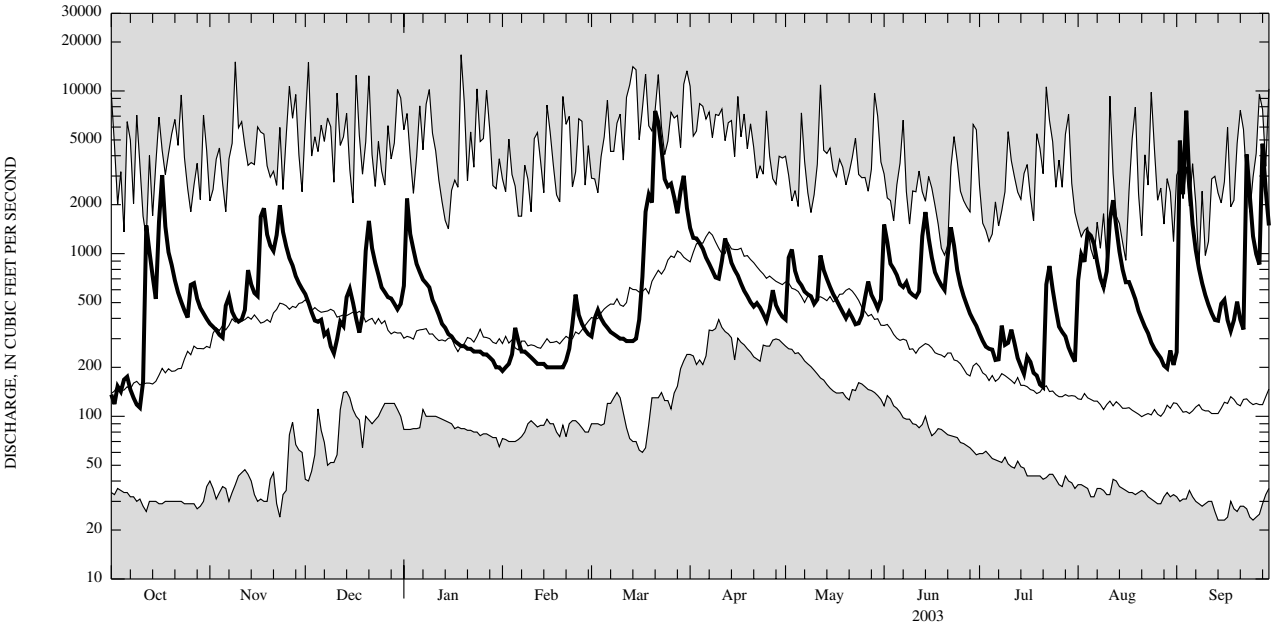
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2003, BY WATER YEAR (WY)

MEAN	380	599	629	527	494	972	1,269	692	397	279	215	254
MAX	1,535	1,427	1,967	1,769	2,026	2,485	2,581	1,584	1,271	1,329	1,037	1,521
(WY)	(1978)	(1973)	(1997)	(1996)	(1981)	(1977)	(1940)	(1989)	(1928)	(1945)	(1938)	(2003)
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)

01420500 BEAVER KILL AT COOKS FALLS, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1913 - 2003	
ANNUAL TOTAL	189,995		274,773			
ANNUAL MEAN	521		753		558	
HIGHEST ANNUAL MEAN					937	1928
LOWEST ANNUAL MEAN					277	1965
HIGHEST DAILY MEAN	3,790	Jun 7	7,560	Sep 4	16,700	Jan 19, 1996
LOWEST DAILY MEAN	36	Sep 14	113	Oct 10	23	Sep 14, 1913
ANNUAL SEVEN-DAY MINIMUM	39	Sep 9	142	Oct 4	26	Sep 21, 1964
ANNUAL RUNOFF (CFSM)	2.16		3.12		2.32	
ANNUAL RUNOFF (INCHES)	29.33		42.41		31.46	
10 PERCENT EXCEEDS	1,140		1,480		1,230	
50 PERCENT EXCEEDS	443		496		320	
90 PERCENT EXCEEDS	57		219		84	

e Estimated



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, 1999-2003), 31.0°C, July 9, 1993; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 24.0°C, July 6; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.5	13.5	15.5	6.0	5.0	5.5	3.5	1.0	2.0	3.5	3.0	3.0
2	19.5	16.0	17.5	5.0	4.0	4.5	2.0	0.5	1.5	3.0	1.5	2.0
3	18.5	16.5	17.5	5.5	4.5	5.0	1.5	0.5	0.5	1.5	0.5	1.0
4	16.5	15.0	15.5	5.5	4.5	5.0	0.5	0.5	0.5	2.0	0.0	1.0
5	18.0	15.0	16.5	6.0	4.5	5.5	1.0	0.5	0.5	2.0	1.5	2.0
6	15.5	13.0	14.5	6.0	5.0	5.5	0.5	0.5	0.5	2.0	1.5	2.0
7	15.5	13.0	14.0	5.5	4.0	5.0	0.5	0.0	0.5	2.0	0.5	1.0
8	13.5	11.0	12.5	5.5	3.0	4.5	0.5	0.0	0.5	1.5	0.5	1.0
9	13.0	10.5	12.0	6.5	4.5	5.5	0.5	0.0	0.0	2.5	1.5	2.0
10	13.0	12.5	12.5	9.0	6.5	7.5	0.5	0.0	0.0	2.5	1.0	2.0
11	13.0	12.5	12.5	10.5	9.0	10.0	0.5	0.0	0.0	1.0	0.5	0.5
12	13.0	12.0	12.5	10.0	8.5	9.0	1.0	0.5	0.5	0.5	0.5	0.5
13	13.0	12.0	12.5	8.5	7.0	7.5	0.5	0.5	0.5	0.5	0.5	0.5
14	12.0	9.5	11.0	7.0	6.0	6.5	1.5	0.0	0.5	0.5	0.5	0.5
15	9.5	8.0	9.0	7.5	6.0	7.0	2.5	0.5	1.5	0.5	0.5	0.5
16	9.5	9.0	9.5	7.0	6.0	6.5	2.5	1.0	2.0	0.5	0.5	0.5
17	10.0	9.0	9.5	6.5	5.5	6.0	1.0	0.5	0.5	0.5	0.5	0.5
18	10.0	8.5	9.0	6.0	4.5	5.0	0.5	0.0	0.5	0.5	0.0	0.0
19	9.0	8.5	8.5	5.0	4.5	4.5	0.5	0.5	0.5	0.5	0.0	0.0
20	9.5	8.0	9.0	6.0	4.5	5.0	1.5	0.5	1.0	0.5	0.5	0.5
21	9.0	7.5	8.0	5.5	4.5	5.0	2.5	1.5	2.0	0.5	0.0	0.0
22	8.5	6.5	7.5	6.0	5.5	5.5	3.0	2.0	2.5	0.5	0.0	0.0
23	8.5	7.0	8.0	6.0	4.0	4.5	3.0	2.5	3.0	0.0	0.0	0.0
24	7.5	5.5	6.5	5.0	4.0	4.5	2.5	1.5	2.0	0.0	0.0	0.0
25	7.5	6.0	7.0	5.0	4.0	4.5	2.0	0.5	1.0	0.5	0.0	0.0
26	8.0	7.0	7.5	5.0	4.0	4.5	0.5	0.5	0.5	0.5	0.0	0.0
27	8.5	7.5	8.0	4.0	2.5	3.5	1.0	0.5	1.0	0.5	0.0	0.0
28	8.0	7.0	7.5	2.5	1.0	2.0	1.5	1.0	1.0	0.0	0.0	0.0
29	7.0	5.5	6.0	2.5	2.0	2.0	2.5	1.5	2.0	0.5	0.0	0.0
30	6.5	5.5	6.0	3.5	2.5	3.0	2.5	1.5	2.0	0.5	0.0	0.0
31	6.5	4.5	5.5	---	---	---	3.5	2.0	3.0	0.0	0.0	0.0
MONTH	19.5	4.5	10.6	10.5	1.0	5.3	3.5	0.0	1.1	3.5	0.0	0.7

01420500 BEAVER KILL AT COOKS FALLS, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.5	0.0	0.5	3.0	1.5	2.0	14.0	10.0	12.0
2	0.0	0.0	0.0	0.5	0.0	0.5	5.0	1.5	3.0	13.0	11.0	12.5
3	0.0	0.0	0.0	0.5	0.0	0.5	4.5	4.0	4.5	13.0	9.0	11.0
4	0.5	0.0	0.0	0.5	0.0	0.5	4.5	3.0	4.0	12.5	8.0	10.5
5	0.5	0.0	0.0	0.5	0.0	0.5	3.0	1.5	2.0	11.0	8.5	9.5
6	0.5	0.0	0.0	0.5	0.0	0.5	5.0	1.5	3.0	9.0	8.0	8.5
7	0.5	0.0	0.5	0.5	0.0	0.0	3.5	1.5	2.5	13.5	8.5	11.0
8	0.5	0.0	0.0	0.5	0.0	0.5	3.5	1.5	2.5	12.5	11.0	11.5
9	0.5	0.0	0.0	0.5	0.5	0.5	4.0	3.0	3.5	13.5	10.5	12.0
10	0.5	0.0	0.0	0.5	0.0	0.0	7.5	3.5	5.5	14.0	10.0	12.0
11	0.0	0.0	0.0	0.5	0.0	0.0	6.0	4.5	5.0	13.0	12.0	12.0
12	0.0	0.0	0.0	0.5	0.0	0.5	9.0	4.5	6.5	12.0	10.5	11.0
13	0.0	0.0	0.0	0.5	0.5	0.5	8.5	5.0	6.5	10.5	9.5	10.0
14	0.5	0.0	0.0	0.5	0.0	0.5	8.5	4.5	6.5	10.0	9.0	9.5
15	0.5	0.0	0.0	1.0	0.5	0.5	11.0	6.0	8.5	12.5	8.5	10.5
16	0.0	0.0	0.0	2.5	0.5	1.0	12.0	8.5	10.5	12.5	10.5	11.5
17	0.0	0.0	0.0	4.5	1.0	2.5	10.5	6.5	8.0	14.0	9.5	11.5
18	0.5	0.0	0.0	4.0	1.0	2.0	6.5	5.0	5.5	15.0	10.0	12.5
19	0.0	0.0	0.0	4.0	1.0	2.5	10.5	5.5	7.5	16.0	10.5	13.0
20	0.0	0.0	0.0	2.5	2.0	2.5	11.5	7.5	9.5	15.5	11.0	13.5
21	0.5	0.0	0.0	4.5	1.5	2.5	10.0	8.0	9.5	14.0	11.5	12.5
22	0.5	0.0	0.0	5.0	2.5	3.5	10.0	8.5	9.5	12.5	10.5	11.5
23	0.5	0.0	0.5	4.5	3.0	3.5	9.0	5.5	7.0	12.5	10.5	11.5
24	0.5	0.0	0.5	6.0	2.5	4.0	9.5	4.5	7.0	12.0	11.0	11.5
25	0.5	0.0	0.5	7.0	3.5	5.0	11.0	5.5	8.5	13.5	11.0	12.0
26	0.5	0.0	0.5	5.5	4.5	5.0	9.5	8.5	9.0	12.5	11.0	12.0
27	0.5	0.0	0.5	6.5	3.5	5.0	13.0	8.0	10.0	13.5	10.5	12.0
28	0.5	0.5	0.5	7.5	4.0	5.5	13.5	8.5	11.0	13.5	11.5	12.5
29	---	---	---	7.5	6.0	7.0	12.5	10.0	11.0	14.5	11.5	13.0
30	---	---	---	6.5	3.0	4.5	12.5	8.5	10.5	16.0	12.0	14.0
31	---	---	---	4.5	2.0	3.0	---	---	---	14.0	12.0	13.0
MONTH	0.5	0.0	0.1	7.5	0.0	2.1	13.5	1.5	6.7	16.0	8.0	11.6
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.0	10.5	11.5	20.5	15.5	18.0	20.0	16.5	17.5	17.0	15.0	16.0
2	13.0	9.0	11.0	20.5	16.5	18.5	20.0	16.5	18.0	15.0	14.5	14.5
3	12.0	10.0	11.0	22.5	17.0	20.0	20.0	17.5	19.0	14.5	14.0	14.5
4	12.0	10.5	11.5	23.0	18.5	21.0	19.0	18.0	18.5	15.5	14.5	15.0
5	13.0	11.0	12.0	23.5	19.5	21.5	19.0	17.0	18.0	15.5	14.0	14.5
6	15.0	11.5	13.0	24.0	20.0	22.0	18.0	16.5	17.0	16.0	13.0	14.5
7	14.0	12.0	12.5	23.0	19.5	21.5	18.5	16.0	17.0	16.0	13.0	14.5
8	13.0	11.5	12.0	22.5	18.5	20.5	19.0	16.5	18.0	16.5	13.5	15.0
9	14.5	12.0	13.5	21.0	17.0	19.0	18.5	17.0	18.0	16.0	13.5	14.5
10	17.0	12.5	15.0	19.5	16.0	17.5	19.0	17.0	18.0	16.0	13.0	14.5
11	15.5	13.5	14.0	18.0	16.0	16.5	18.5	17.0	17.5	16.5	13.0	15.0
12	15.0	13.0	14.0	19.5	15.5	17.5	18.5	16.0	17.0	16.5	14.0	15.5
13	14.0	13.5	14.0	20.0	16.5	18.0	19.5	16.0	17.5	15.5	14.5	15.0
14	16.0	13.0	14.5	20.0	16.0	18.5	19.5	16.5	18.0	18.0	15.5	16.5
15	16.5	13.0	14.5	23.0	17.5	20.0	20.0	16.5	18.0	18.0	17.0	17.5
16	16.0	12.0	14.0	22.5	19.0	20.5	19.5	17.0	18.0	18.0	15.5	17.0
17	16.0	12.5	14.5	23.0	18.5	20.5	18.0	16.5	17.0	17.5	14.5	16.0
18	14.5	13.0	13.5	21.0	18.0	19.0	19.0	16.0	17.0	16.5	14.0	15.5
19	16.0	12.5	14.0	21.5	16.0	19.0	20.0	16.0	18.0	18.0	15.5	17.0
20	15.0	13.0	14.0	22.5	17.0	19.5	20.5	16.5	18.5	18.0	16.5	17.0
21	14.0	12.5	13.5	22.5	18.5	20.5	20.5	17.0	19.0	17.5	14.5	16.0
22	13.5	12.5	13.0	20.5	17.0	18.5	20.5	18.0	19.0	15.5	14.0	14.5
23	17.0	12.5	14.5	18.0	16.5	17.5	20.5	17.0	18.5	15.5	14.0	15.0
24	18.5	14.0	16.0	19.5	16.5	18.0	19.0	15.0	17.0	14.5	12.5	13.5
25	19.0	14.5	17.0	21.0	16.5	18.5	19.5	16.0	17.5	13.5	12.0	13.0
26	20.5	16.0	18.5	20.5	16.5	18.5	20.0	17.0	18.5	14.5	12.5	13.5
27	20.5	17.0	18.5	19.0	17.5	18.0	21.5	17.5	19.5	16.0	13.5	15.0
28	20.0	15.5	18.0	21.5	17.0	19.0	20.5	16.5	19.0	15.5	13.5	15.0
29	18.0	15.5	17.0	21.5	17.0	19.5	18.5	16.0	17.5	13.5	12.0	13.0
30	19.5	16.0	17.5	21.5	17.0	19.5	18.5	16.0	17.5	12.5	11.0	11.5
31	---	---	---	22.0	17.5	20.0	19.0	14.5	16.5	---	---	---
MONTH	20.5	9.0	14.2	24.0	15.5	19.2	21.5	14.5	17.9	18.0	11.0	15.0
YEAR	24.0	0.0	8.8									

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, 20,100 ft^3/s, Sept. 4, gage height, 15.70 ft; minimum discharge, 238 ft^3/s, Oct. 10, gage height, 7.73 ft.

CORRECTIONS.--The recomputed statistics of monthly mean data and the summary statistics published in the report for the 2002 water year are given below. The beginning water year used for the statistics should have been 1955 (since the construction of the Pepacton Reservoir). These figures supercede those published in the report for 2002.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2002, BY WATER YEAR (WY)												
MEAN	772	1,095	1,153	953	989	1,628	2,549	1,504	843	524	456	527
MAX	2,531	2,772	5,017	2,931	3,297	4,239	5,957	3,465	2,426	1,750	1,707	1,838
(WY)	(1956)	(1997)	(1997)	(1978)	(1976)	(1977)	(1993)	(1984)	(1973)	(1996)	(1955)	(1960)
MIN	163	311	404	277	213	578	808	432	229	157	136	139
(WY)	(1974)	(1999)	(1961)	(1981)	(1980)	(1970)	(1985)	(1987)	(1977)	(1966)	(1965)	(1972)

SUMMARY STATISTICS	WATER YEARS 1955 - 2002	
ANNUAL TOTAL		
ANNUAL MEAN	1,082	
HIGHEST ANNUAL MEAN	1,586	1973
LOWEST ANNUAL MEAN	604	1965
HIGHEST DAILY MEAN	26,500	Dec 2, 1996
LOWEST DAILY MEAN	72	Jul 24, 1964
ANNUAL SEVEN-DAY MINIMUM	84	Oct 9, 1954
10 PERCENT EXCEEDS	2,390	
50 PERCENT EXCEEDS	632	
90 PERCENT EXCEEDS	230	

01420980 EAST BRANCH DELAWARE RIVER ABOVE READ CREEK AT FISHS EDDY, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	302	682	966	997	e350	e620	4,630	1,160	2,530	614	763	429
2	269	648	851	2,940	e360	e740	3,960	2,890	2,970	546	1,450	7,010
3	348	611	739	e2,100	e380	e800	3,770	4,730	2,690	503	1,230	5,040
4	334	570	646	e1,700	e450	e760	3,540	4,030	2,560	478	1,590	14,100
5	334	543	634	e1,450	e620	e680	3,440	3,320	2,330	494	1,770	9,780
6	354	755	674	e1,280	e530	e650	3,230	2,790	2,060	433	1,880	6,130
7	309	911	554	e1,150	e480	e640	3,040	2,150	1,680	450	1,590	4,180
8	e275	773	579	e1,070	e500	e590	2,760	1,720	1,590	644	1,390	3,060
9	e250	717	e470	e1,010	e460	e570	2,180	1,490	1,290	503	1,330	2,170
10	241	692	e400	e940	e440	e540	1,840	1,240	1,180	514	1,360	1,670
11	298	699	e470	e840	e430	e570	1,920	1,090	1,300	1,070	2,510	1,230
12	2,640	773	e630	e790	e420	e540	2,400	1,880	1,530	829	4,370	809
13	2,150	1,340	e600	e680	e440	e520	2,250	1,860	2,550	625	3,650	706
14	1,490	1,210	e760	e660	e435	e510	1,990	1,750	4,510	532	3,130	682
15	1,100	1,100	e1,050	e610	e395	e530	1,820	1,590	3,910	468	2,390	951
16	2,110	1,050	e880	e580	e385	e670	1,680	1,410	3,120	558	1,680	1,160
17	5,600	2,310	e720	e550	e380	e1,200	1,530	1,230	2,390	528	1,480	1,180
18	2,960	2,910	e630	e530	e380	e3,100	1,340	1,070	1,890	457	1,290	1,080
19	2,030	2,250	e740	e510	e375	e4,200	1,180	917	1,570	443	1,110	1,120
20	1,630	1,940	1,350	e490	e385	3,610	1,030	789	1,330	395	934	886
21	1,300	1,820	2,580	e485	e405	10,200	907	780	2,100	384	774	706
22	1,080	2,000	1,920	e480	e450	9,700	897	725	3,070	960	702	608
23	933	2,960	1,600	e470	e650	7,250	862	656	3,030	1,350	594	5,250
24	815	2,290	1,350	e460	e900	4,860	798	652	2,270	1,160	514	4,800
25	730	1,920	1,210	e460	e730	4,250	729	692	1,770	901	473	3,270
26	1,040	1,640	1,160	e440	e700	4,510	979	795	1,470	744	448	2,580
27	1,150	1,460	1,130	e445	e640	3,830	1,760	1,020	1,350	667	425	2,310
28	956	1,260	979	e420	e620	3,130	1,600	894	945	625	392	7,190
29	857	1,130	897	e410	---	4,310	1,410	839	803	542	376	6,630
30	792	1,040	819	e380	---	e6,600	1,270	785	732	487	463	4,860
31	733	---	808	e385	---	5,680	---	919	---	442	397	---
TOTAL	35,410	40,004	28,796	25,712	13,690	86,360	60,742	47,863	62,520	19,346	42,455	101,577
MEAN	1,142	1,333	929	829	489	2,786	2,025	1,544	2,084	624	1,370	3,386
MAX	5,600	2,960	2,580	2,940	900	10,200	4,630	4,730	4,510	1,350	4,370	14,100
MIN	241	543	400	380	350	510	729	652	732	384	376	429

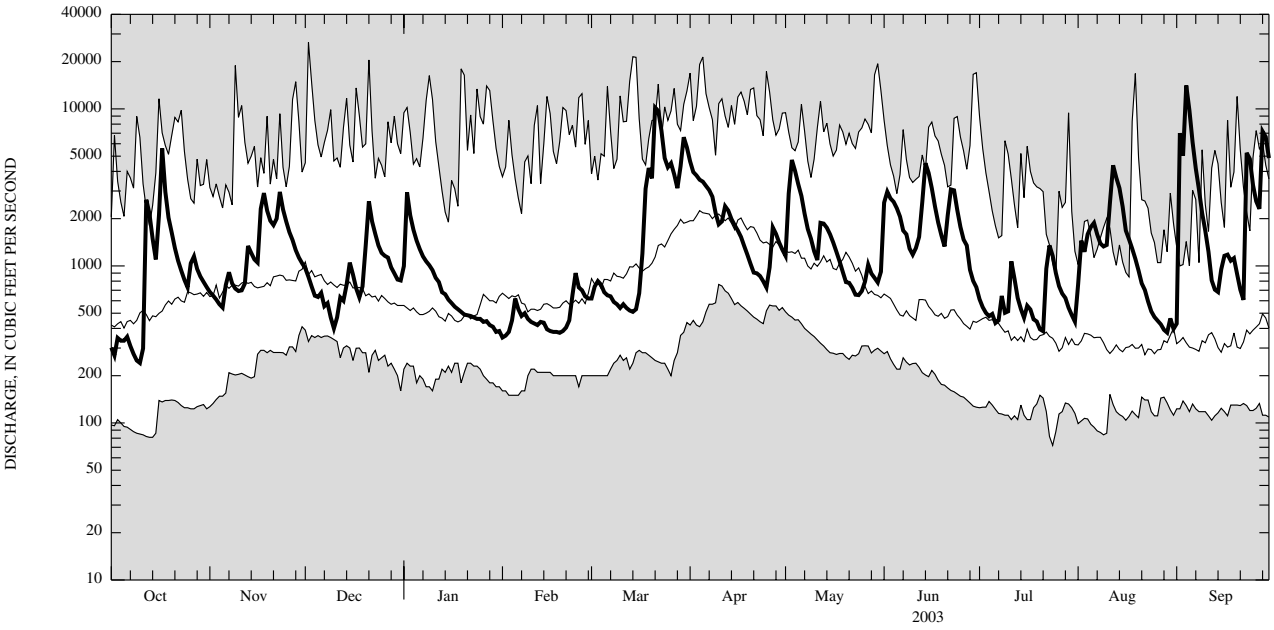
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2003, BY WATER YEAR (WY)

MEAN	780	1,100	1,149	950	979	1,652	2,539	1,505	869	526	474	585
MAX	2,531	2,772	5,017	2,931	3,297	4,239	5,957	3,465	2,426	1,750	1,707	3,386
(WY)	(1956)	(1997)	(1997)	(1978)	(1976)	(1977)	(1993)	(1984)	(1973)	(1996)	(1955)	(2003)
MIN	163	311	404	277	213	578	808	432	229	157	136	139
(WY)	(1974)	(1999)	(1961)	(1981)	(1980)	(1970)	(1985)	(1987)	(1977)	(1966)	(1965)	(1972)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1955 - 2003	
ANNUAL TOTAL	345,997		564,475			
ANNUAL MEAN	948		1,547		1,091	
HIGHEST ANNUAL MEAN					1,586	1973
LOWEST ANNUAL MEAN					604	1965
HIGHEST DAILY MEAN	6,290	Jun 7	14,100	Sep 4	26,500	Dec 2, 1996
LOWEST DAILY MEAN	116	Sep 14	241	Oct 10	72	Jul 24, 1964
ANNUAL SEVEN-DAY MINIMUM	147	Sep 9	294	Oct 5	84	Oct 9, 1954
10 PERCENT EXCEEDS	2,120		3,290		2,420	
50 PERCENT EXCEEDS	768		951		640	
90 PERCENT EXCEEDS	179		434		230	

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: October 2001 to current year.

INSTRUMENTATION.--Water-temperature satellite and telephone telemeter provides 15-minute-interval readings.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 28.5°C, Aug. 1, 2002; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 26.5°C, July 6; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.5	14.5	16.5	6.0	5.0	5.5	3.0	0.5	2.0	3.5	2.5	3.0
2	20.0	16.5	18.0	5.0	4.0	4.5	1.5	0.5	1.0	3.0	1.5	2.0
3	19.0	17.5	18.5	5.0	4.0	4.5	1.0	0.0	0.0	2.0	0.0	1.0
4	17.5	15.5	16.0	5.0	4.5	5.0	0.0	0.0	0.0	1.5	0.0	0.5
5	18.0	15.5	16.5	6.5	3.0	5.5	0.0	0.0	0.0	2.0	1.0	1.5
6	17.0	14.0	15.5	6.0	5.5	5.5	0.0	0.0	0.0	2.5	1.0	1.5
7	16.5	14.0	15.0	5.5	4.0	5.0	0.0	0.0	0.0	2.0	0.0	0.5
8	15.0	11.5	13.0	6.0	3.0	4.5	0.0	0.0	0.0	1.5	0.0	0.5
9	13.5	11.5	12.5	6.5	4.5	5.5	0.0	0.0	0.0	2.5	1.0	2.0
10	13.5	13.0	13.0	9.0	6.0	7.5	0.0	0.0	0.0	2.5	0.5	2.0
11	13.0	13.0	13.0	11.0	9.0	10.0	0.5	0.0	0.0	1.0	0.0	0.0
12	13.0	12.5	13.0	10.0	9.0	9.5	0.5	0.0	0.0	0.5	0.0	0.0
13	13.5	12.5	13.0	9.0	7.0	8.0	0.5	0.0	0.0	0.5	0.0	0.0
14	12.5	10.0	11.0	7.5	6.5	7.0	0.5	0.0	0.0	0.5	0.0	0.0
15	10.0	8.5	9.5	7.5	6.5	7.0	1.0	0.0	0.0	0.5	0.0	0.0
16	9.5	9.5	9.5	7.0	6.5	7.0	1.5	0.0	0.5	0.5	0.0	0.0
17	10.0	9.5	9.5	6.5	6.0	6.0	1.0	0.0	0.0	0.5	0.0	0.0
18	10.0	9.0	9.5	6.0	4.5	5.0	0.5	0.0	0.0	0.5	0.0	0.0
19	9.0	8.5	9.0	5.0	4.5	4.5	0.5	0.0	0.0	0.5	0.0	0.0
20	9.5	8.0	9.0	6.0	4.5	5.0	1.5	0.0	0.5	0.5	0.0	0.0
21	9.0	7.5	8.5	5.5	5.0	5.0	2.5	1.0	2.0	0.5	0.0	0.0
22	8.5	6.5	7.5	6.0	5.5	6.0	3.5	1.5	2.5	0.5	0.0	0.0
23	8.5	7.5	8.0	6.0	4.0	4.5	3.5	2.0	2.5	0.5	0.0	0.0
24	8.0	6.0	7.0	4.5	4.0	4.5	2.5	1.5	2.0	0.5	0.0	0.0
25	7.0	6.0	7.0	4.5	4.5	4.5	2.0	0.0	1.0	0.5	0.0	0.0
26	8.5	7.0	7.5	4.5	4.0	4.5	0.5	0.0	0.0	0.5	0.0	0.0
27	8.5	8.0	8.0	4.0	2.5	3.5	0.5	0.0	0.0	0.5	0.0	0.0
28	8.0	7.0	7.5	2.5	1.5	2.0	1.5	0.0	0.5	0.5	0.0	0.0
29	7.0	6.0	6.5	2.0	1.5	2.0	2.0	0.0	1.0	0.5	0.0	0.0
30	6.0	5.5	6.0	3.5	2.0	2.5	2.5	0.5	1.5	0.5	0.0	0.0
31	6.5	4.0	5.5	---	---	---	3.5	1.5	2.5	0.5	0.0	0.0
MONTH	20.0	4.0	11.0	11.0	1.5	5.4	3.5	0.0	0.6	3.5	0.0	0.5

01420980 EAST BRANCH DELAWARE RIVER ABOVE READ CREEK AT FISHS EDDY, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.0	0.0	0.0	0.5	0.0	0.0	3.5	1.5	2.5	14.5	9.5	12.0
2	0.5	0.0	0.0	0.5	0.0	0.0	5.0	2.0	3.5	13.5	10.0	12.0
3	0.5	0.0	0.0	0.5	0.0	0.0	5.0	3.5	4.5	12.0	8.5	10.0
4	0.5	0.0	0.0	0.5	0.0	0.0	4.5	3.0	4.0	12.5	8.0	10.0
5	0.5	0.0	0.0	0.5	0.0	0.0	3.5	2.0	2.5	10.5	8.5	9.5
6	0.5	0.0	0.0	0.5	0.0	0.0	5.5	1.5	3.5	10.5	8.5	9.5
7	0.5	0.0	0.0	0.5	0.0	0.0	3.5	2.0	3.0	13.5	9.0	11.0
8	0.5	0.0	0.0	0.5	0.0	0.0	4.0	1.5	2.5	13.0	11.0	12.0
9	0.5	0.0	0.0	0.5	0.0	0.0	4.5	2.5	3.5	14.5	11.0	12.5
10	0.5	0.0	0.0	0.5	0.0	0.0	8.0	3.5	5.5	15.0	11.0	13.0
11	0.5	0.0	0.0	0.5	0.0	0.0	7.0	4.5	5.5	14.0	12.5	13.0
12	0.5	0.0	0.0	0.5	0.0	0.0	9.5	4.5	7.0	13.0	11.0	12.0
13	0.5	0.0	0.0	0.5	0.0	0.0	9.0	5.0	7.5	11.5	9.0	10.5
14	0.5	0.0	0.0	0.5	0.0	0.0	9.0	5.0	7.0	10.0	8.5	9.5
15	0.5	0.0	0.0	0.5	0.0	0.0	11.5	6.5	9.0	12.5	8.0	10.5
16	0.5	0.0	0.0	0.5	0.0	0.0	13.0	9.0	11.0	13.5	10.5	12.0
17	1.0	0.0	0.0	0.5	0.0	0.0	10.5	6.5	8.5	15.0	10.5	12.5
18	0.5	0.0	0.0	3.0	0.0	1.5	6.5	5.0	6.0	16.5	11.0	14.0
19	0.5	0.0	0.0	4.5	1.0	2.5	10.5	5.5	8.0	17.5	11.5	14.5
20	0.5	0.0	0.0	3.5	2.0	2.5	12.5	7.5	10.5	17.0	12.5	15.0
21	0.5	0.0	0.0	5.0	1.5	3.0	11.0	8.5	10.0	15.5	12.5	14.0
22	0.5	0.0	0.0	6.0	3.0	4.0	11.0	9.0	10.0	14.0	11.5	13.0
23	0.5	0.0	0.0	5.0	3.0	4.0	9.5	6.0	8.0	13.5	12.0	12.5
24	0.5	0.0	0.0	6.5	3.0	4.5	10.5	4.5	7.5	13.5	11.5	12.5
25	0.5	0.0	0.0	7.5	3.5	5.5	12.0	6.5	9.5	15.5	11.5	13.5
26	0.5	0.0	0.0	7.0	4.5	5.5	11.0	9.0	10.0	14.0	12.5	13.5
27	0.5	0.0	0.0	7.0	4.0	5.5	13.0	8.0	10.5	16.0	11.5	14.0
28	0.5	0.0	0.0	7.5	4.5	6.0	13.5	8.5	11.0	16.0	13.0	14.0
29	---	---	---	7.5	6.5	7.0	12.5	10.0	11.0	16.5	13.0	14.5
30	---	---	---	7.0	3.5	4.5	12.5	8.5	10.5	18.0	13.5	15.5
31	---	---	---	4.5	2.0	3.5	---	---	---	16.5	13.0	14.5
MONTH	1.0	0.0	0.0	7.5	0.0	1.9	13.5	1.5	7.1	18.0	8.0	12.5
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.5	11.5	12.5	22.0	16.0	19.0	22.0	17.5	19.5	18.0	16.0	17.0
2	14.5	10.5	12.5	23.0	17.5	20.0	21.0	17.0	19.0	16.0	14.0	15.0
3	13.5	11.0	12.5	25.0	18.5	21.5	21.5	19.0	20.5	14.5	13.0	13.5
4	13.5	12.0	13.0	25.0	20.0	22.5	21.0	19.0	20.0	17.5	13.5	15.5
5	14.5	12.5	13.5	26.0	21.0	23.0	20.5	18.0	19.0	18.5	16.5	17.5
6	16.5	12.5	14.5	26.5	21.5	23.5	19.5	17.5	18.5	19.0	16.0	17.5
7	15.0	13.0	14.0	24.0	21.0	23.0	20.0	17.0	18.5	19.0	16.5	17.5
8	14.0	12.5	13.5	24.5	20.5	22.5	21.5	17.5	19.5	19.0	16.5	18.0
9	16.0	13.0	14.5	23.0	19.0	20.5	20.0	18.0	19.0	18.5	16.0	17.5
10	18.5	13.5	16.0	21.0	17.5	19.0	20.5	18.0	19.0	17.5	14.0	16.0
11	17.0	14.5	15.5	19.0	16.5	17.5	19.5	17.5	18.5	16.5	14.0	15.5
12	16.5	14.0	15.5	20.0	16.0	18.0	18.5	16.0	17.0	17.5	14.5	16.0
13	16.0	14.5	15.0	20.5	16.5	18.0	18.5	15.0	16.5	16.5	15.0	16.0
14	17.0	14.0	15.5	22.0	16.5	19.0	19.5	16.5	18.0	19.0	15.5	17.0
15	17.5	14.0	16.0	23.5	18.0	20.5	19.5	16.0	17.5	19.0	17.5	18.0
16	18.0	13.5	16.0	23.5	20.0	21.5	18.5	16.0	17.5	19.0	16.5	17.5
17	18.5	14.0	16.5	24.5	19.0	21.5	17.5	16.0	17.0	17.0	14.5	15.5
18	16.5	14.0	15.0	22.0	19.0	20.0	19.0	15.5	17.0	15.0	13.0	14.0
19	17.5	14.0	15.5	22.5	17.0	19.5	21.0	16.5	18.5	16.0	13.5	15.0
20	17.0	14.0	15.5	23.0	17.5	20.5	21.5	17.0	19.0	19.0	15.5	17.0
21	15.0	13.5	14.5	22.5	19.5	21.0	22.0	17.5	19.5	18.5	15.0	17.0
22	15.5	13.5	14.5	21.0	18.5	20.0	21.5	18.5	20.0	17.0	15.0	16.0
23	19.0	14.0	16.5	19.5	17.5	18.5	22.0	17.5	19.5	16.0	14.5	15.5
24	20.5	16.0	18.0	20.5	17.5	19.0	21.0	15.5	18.0	15.5	13.0	14.5
25	21.0	16.5	19.0	23.0	18.0	20.0	21.0	16.5	18.5	15.0	13.5	14.5
26	22.5	18.0	20.5	22.5	18.0	20.5	21.5	18.0	19.5	16.0	14.0	15.0
27	21.5	19.0	20.0	21.0	19.0	19.5	23.0	18.5	20.5	17.5	15.0	16.0
28	21.5	16.5	19.0	22.5	18.0	20.0	23.0	18.0	20.0	17.0	15.0	16.0
29	20.5	17.0	18.5	23.5	18.0	20.5	20.0	17.5	18.5	16.0	15.0	15.5
30	20.5	17.0	18.5	24.0	18.5	21.0	19.5	17.0	18.5	15.0	14.0	14.5
31	---	---	---	24.0	19.0	21.5	20.5	15.0	17.5	---	---	---
MONTH	22.5	10.5	15.7	26.5	16.0	20.4	23.0	15.0	18.7	19.0	13.0	16.0
YEAR	26.5	0.0	9.2									

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.

REVISED RECORDS.--WDR NY-02-1: 2000-2001.

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, 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 21	0045	*411	*2.26				

Minimum discharge, 3.7 ft^3/s, Oct. 8, gage height, 0.94 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	18	39	59	12	20	75	32	53	19	22	20
2	6.4	17	35	56	12	e20	70	75	37	17	22	115
3	8.5	17	31	47	12	20	68	52	33	16	14	58
4	5.9	17	30	47	24	e23	73	46	32	14	17	150
5	7.2	16	29	42	e20	e22	83	45	34	14	12	81
6	5.5	26	27	40	e18	e21	75	45	33	44	11	63
7	5.6	22	25	38	e16	e22	62	40	35	17	11	54
8	4.7	18	24	37	e15	e20	61	39	33	15	11	46
9	5.4	17	e19	37	e14	e19	57	38	28	16	10	39
10	5.4	17	e18	34	e14	e18	53	32	26	14	12	34
11	10	19	e18	e32	e13	e19	54	39	29	55	29	30
12	37	23	e19	e31	e12	e18	52	54	27	23	23	27
13	20	34	e22	e29	e12	e18	47	43	27	20	16	26
14	14	25	27	e27	e12	18	44	40	68	17	14	25
15	13	24	27	e25	e12	21	42	36	36	16	13	23
16	47	26	24	e23	e12	38	40	34	33	19	17	24
17	58	34	21	e21	e12	80	37	32	30	16	17	20
18	39	38	e21	e19	e13	110	34	29	32	18	14	17
19	33	32	e20	e19	e14	111	33	27	30	16	12	18
20	31	36	111	e19	14	137	30	25	31	13	11	17
21	26	40	83	e18	12	339	28	27	41	20	11	14
22	24	68	68	e17	15	271	32	24	57	30	10	13
23	24	100	62	e16	30	203	28	23	36	20	9.6	73
24	20	75	54	e15	27	144	26	25	31	16	8.6	29
25	20	67	47	e14	22	129	24	23	29	14	8.6	22
26	30	61	e50	e14	e23	126	47	27	28	13	16	21
27	23	55	45	e14	e23	105	43	23	26	12	12	21
28	20	48	39	e15	21	88	33	23	24	12	8.6	71
29	19	45	37	e13	---	103	32	21	22	9.9	17	43
30	17	43	33	13	---	112	31	19	21	9.6	37	37
31	17	---	43	12	---	89	---	21	---	9.5	15	---
TOTAL	601.9	1,078	1,148	843	456	2,484	1,414	1,059	1,002	565.0	461.4	1,231
MEAN	19.4	35.9	37.0	27.2	16.3	80.1	47.1	34.2	33.4	18.2	14.9	41.0
MAX	58	100	111	59	30	339	83	75	68	55	37	150
MIN	4.7	16	18	12	12	18	24	19	21	9.5	8.6	13
CFSM	1.25	2.32	2.39	1.75	1.05	5.17	3.04	2.20	2.15	1.18	0.96	2.65
IN.	1.44	2.59	2.76	2.02	1.09	5.96	3.39	2.54	2.40	1.36	1.11	2.95

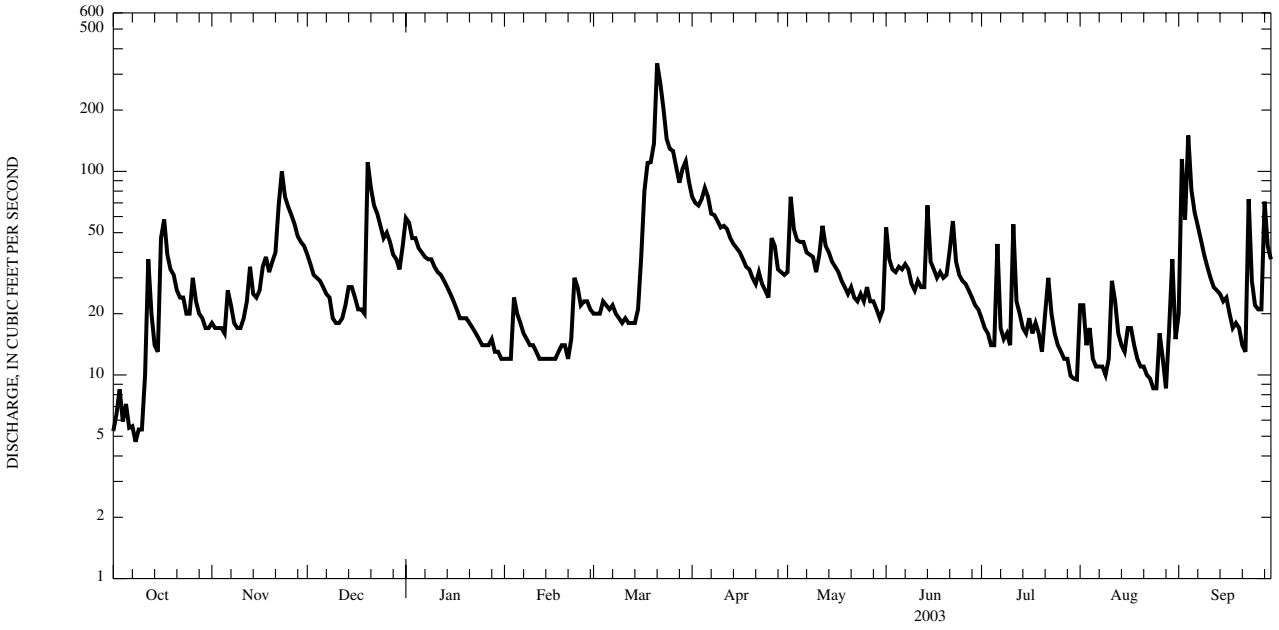
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	10.8	16.1	25.1	15.7	30.0	44.4	62.7	30.3	20.3	8.71	6.69	14.7
MAX	19.4	35.9	37.0	27.2	38.4	80.1	102	46.3	33.4	18.2	14.9	41.0
(WY)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2001)	(2002)	(2003)	(2003)	(2003)	(2003)
MIN	3.28	0.89	4.45	7.00	16.3	23.3	39.1	10.5	6.78	3.38	2.35	2.86
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(2001)	(2002)	(2001)	(2001)	(2001)	(2001)	(2001)

01421610 WEST BRANCH DELAWARE RIVER AT HOBART, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	8,591.6		12,343.3			
ANNUAL MEAN	23.5		33.8		23.8	
HIGHEST ANNUAL MEAN					33.8	2003
LOWEST ANNUAL MEAN					16.5	2002
HIGHEST DAILY MEAN	121	Mar 27	339	Mar 21	346	Apr 10, 2001
LOWEST DAILY MEAN	1.5	Aug 15	4.7	Oct 8	0.09	Nov 18, 2001
ANNUAL SEVEN-DAY MINIMUM	1.8	Aug 9	5.7	Oct 4	0.11	Nov 13, 2001
ANNUAL RUNOFF (CFSM)	1.52		2.18		1.54	
ANNUAL RUNOFF (INCHES)	20.62		29.62		20.90	
10 PERCENT EXCEEDS	54		62		50	
50 PERCENT EXCEEDS	19		24		16	
90 PERCENT EXCEEDS	2.8		12		2.4	

e Estimated



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 22	1215	30	2.31	Sep 4	0300	22	2.22
Mar 29	1600	24	2.25	Sep 27	2330	*39	*2.39

Minimum discharge, 0.05 ft^3/s, Oct. 1, 2, 8, 9; minimum gage height not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.06	1.1	1.4	1.7	e0.44	e0.90	6.0	2.0	1.7	0.71	0.89	0.62
2	0.07	1.0	1.3	1.6	e0.43	e0.98	4.5	5.1	2.5	0.59	1.3	2.3
3	0.09	0.92	1.1	1.6	e0.45	e0.90	3.7	6.2	2.6	0.52	1.0	2.2
4	0.07	0.86	0.99	1.6	1.1	e0.85	3.4	4.6	2.0	0.49	1.2	5.7
5	0.10	0.79	0.94	1.5	0.81	e0.75	3.7	3.3	1.8	0.47	1.1	4.3
6	0.07	1.3	0.92	e1.4	e0.65	e0.80	3.1	2.5	1.6	0.52	1.1	3.5
7	0.07	1.0	0.86	e1.3	e0.58	e0.74	2.7	1.9	1.6	0.42	1.0	2.6
8	0.06	0.93	0.84	e1.2	e0.56	e0.64	2.4	1.7	1.4	0.38	0.96	1.8
9	0.06	0.95	0.70	e1.1	e0.52	e0.60	2.1	1.5	1.3	0.43	0.91	1.4
10	0.07	1.0	0.68	e1.0	e0.50	e0.64	2.0	1.3	1.3	0.36	0.86	1.2
11	0.19	1.2	0.68	e1.0	e0.50	e0.56	1.9	1.5	1.3	1.2	1.8	1.0
12	1.0	1.5	0.70	e0.95	e0.50	e0.54	2.0	1.6	1.2	0.53	1.8	0.89
13	0.73	1.8	0.71	e0.90	e0.49	e0.50	2.4	1.5	1.4	0.46	2.0	0.85
14	0.77	1.8	e0.80	e0.85	e0.48	e0.58	e3.3	1.5	3.1	0.43	1.7	0.76
15	0.75	1.8	e0.72	e0.80	e0.45	e0.54	3.2	1.6	3.3	0.39	1.5	1.1
16	e1.8	1.7	0.81	e0.80	e0.46	0.91	5.6	1.5	2.7	0.50	1.6	0.89
17	e2.5	1.7	0.69	e0.76	e0.47	1.5	e5.0	1.4	2.1	0.38	1.4	0.69
18	2.2	1.6	0.83	e0.70	e0.48	3.3	2.9	1.3	1.7	0.74	1.2	0.59
19	1.8	1.5	0.73	e0.68	e0.50	4.9	2.0	1.2	1.5	0.51	1.0	0.75
20	1.6	1.5	2.6	e0.66	e0.50	7.3	1.9	1.1	1.4	0.47	0.96	0.67
21	1.5	1.5	2.9	e0.64	e0.50	20	1.8	1.1	1.5	0.72	0.88	0.57
22	1.3	2.4	2.7	e0.60	0.85	25	1.8	0.96	1.9	1.2	0.81	0.54
23	1.1	7.6	2.4	e0.58	1.4	17	1.6	0.91	1.8	1.2	0.68	1.9
24	1.0	5.2	2.2	e0.58	1.2	10	1.4	0.95	1.8	1.3	0.57	2.0
25	0.94	4.0	2.3	e0.54	1.1	9.2	1.3	0.90	1.5	1.2	0.54	1.9
26	1.5	3.0	1.9	e0.52	1.3	11	2.0	1.0	1.4	1.1	0.53	1.5
27	1.3	2.4	1.6	e0.50	e1.1	9.5	2.3	0.93	1.2	1.0	0.47	2.4
28	1.4	1.8	1.5	e0.47	e1.0	7.9	2.7	1.0	1.1	0.92	0.42	8.1
29	1.3	1.7	1.4	e0.46	---	15	2.5	1.0	0.94	0.73	0.49	7.5
30	1.3	1.6	1.3	e0.45	---	e18	2.1	1.0	0.82	0.57	0.45	5.0
31	1.3	---	1.6	e0.44	---	10	---	1.2	---	0.52	0.38	---
TOTAL	28.00	57.15	40.80	27.88	19.32	181.03	83.3	55.25	51.46	20.96	31.50	65.22
MEAN	0.90	1.91	1.32	0.90	0.69	5.84	2.78	1.78	1.72	0.68	1.02	2.17
MAX	2.5	7.6	2.9	1.7	1.4	25	6.0	6.2	3.3	1.3	2.0	8.1
MIN	0.06	0.79	0.68	0.44	0.43	0.50	1.3	0.90	0.82	0.36	0.38	0.54
CFSM	1.19	2.51	1.73	1.18	0.91	7.68	3.65	2.35	2.26	0.89	1.34	2.86
IN.	1.37	2.80	2.00	1.36	0.95	8.86	4.08	2.70	2.52	1.03	1.54	3.19

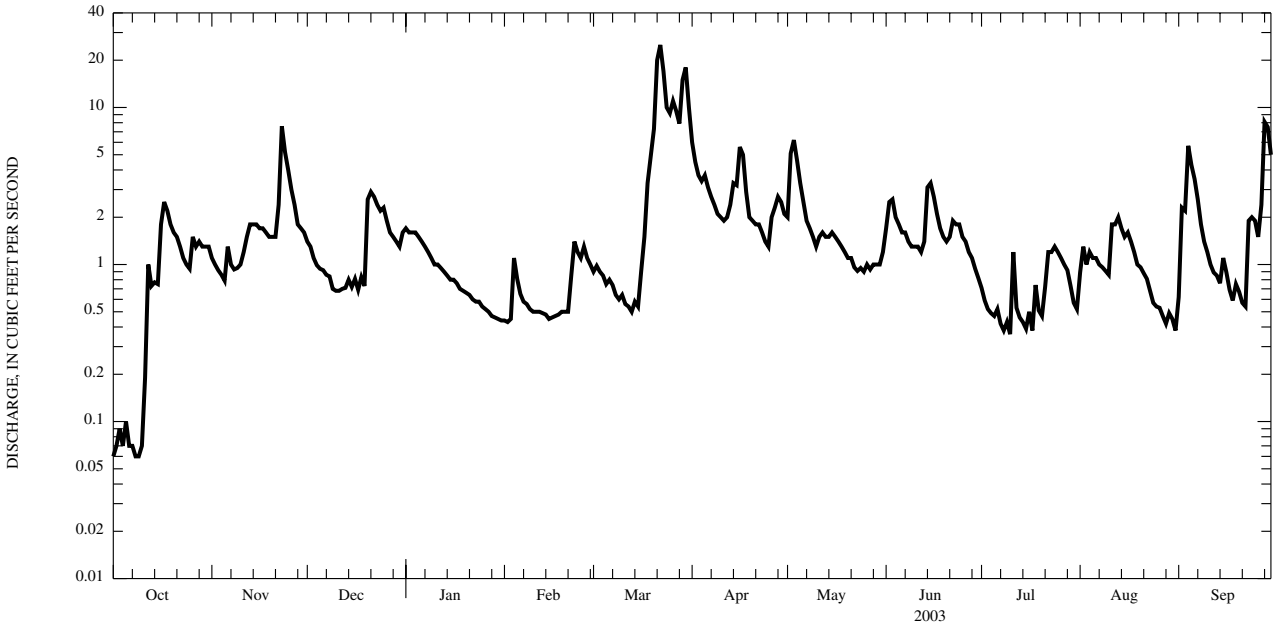
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	0.63	1.02	1.24	1.18	1.60	2.94	3.85	2.02	1.46	0.74	0.45	0.92
MAX	1.40	1.90	2.20	2.76	2.36	5.84	6.36	3.38	3.04	2.03	1.02	2.17
(WY)	(2000)	(2003)	(2001)	(1999)	(2002)	(2003)	(2001)	(2000)	(2000)	(1999)	(2003)	(2003)
MIN	0.073	0.095	0.46	0.45	0.69	0.64	2.61	0.56	0.61	0.21	0.073	0.073
(WY)	(2002)	(2002)	(1999)	(2001)	(2003)	(2001)	(1999)	(2001)	(1999)	(2002)	(2001)	(2001)

01421614 TOWN BROOK TRIBUTARY SOUTHEAST OF HOBART, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	495.98		661.87			
ANNUAL MEAN	1.36		1.81		1.50	
HIGHEST ANNUAL MEAN					2.13	2000
LOWEST ANNUAL MEAN					1.08	2002
HIGHEST DAILY MEAN	7.6	Nov 23	25	Mar 22	28	Apr 13, 2001
LOWEST DAILY MEAN	0.03	Sep 13	0.06	Oct 1	0.03	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	0.04	Sep 8	0.07	Oct 4	0.04	Sep 8, 2002
ANNUAL RUNOFF (CFSM)	1.79		2.39		1.97	
ANNUAL RUNOFF (INCHES)	24.28		32.40		26.80	
10 PERCENT EXCEEDS	3.1		3.2		3.5	
50 PERCENT EXCEEDS	1.0		1.2		0.84	
90 PERCENT EXCEEDS	0.07		0.48		0.10	

e Estimated



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)
Dec 20	1300	616	3.59	Sep 2	0545	789	3.91
Mar 21	0000	694	3.74	Sep 4	0415	a*946	*4.17
Aug 11	1730	657	3.67	Sep 28	0045	738	3.82

a From rating curve extended as explained above.

Minimum discharge, 0.64 ft^3/s, Oct. 2, gage height, 0.96 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.90	18	31	93	e11	e22	85	34	e35	10	22	17
2	0.78	17	e28	59	e11	e23	85	193	e56	8.4	43	241
3	3.5	16	e25	41	e11	e24	76	91	e44	7.2	16	78
4	1.8	15	e22	40	e16	e22	85	73	39	6.6	21	292
5	1.9	14	e20	34	e26	e21	108	58	38	6.5	16	117
6	1.3	33	e18	32	e24	e20	73	50	33	16	15	69
7	1.0	23	e17	31	e22	e19	51	39	38	6.6	12	44
8	0.88	19	e16	e30	e20	e18	52	37	30	5.9	10	33
9	0.75	17	e16	e26	e18	e17	51	36	24	7.6	9.2	26
10	0.73	17	e18	e25	e16	e17	48	28	21	5.6	11	21
11	1.8	20	e19	e23	e14	e16	48	47	25	97	141	17
12	86	38	e18	e22	e13	e16	44	69	23	16	90	13
13	20	53	e19	e21	e12	e15	37	43	30	10	59	12
14	14	34	e23	e20	e12	e15	38	38	148	8.2	40	10
15	11	33	e26	e19	e11	27	37	34	48	6.5	32	27
16	162	34	e23	e18	e11	86	40	31	40	11	61	20
17	101	49	e23	e17	e11	152	39	28	34	6.7	38	10
18	72	56	e22	e17	e10	177	33	25	33	18	26	7.8
19	53	41	e30	e16	e10	159	29	22	28	11	21	11
20	42	48	309	e16	e10	226	26	19	31	6.9	17	9.2
21	32	64	114	e15	e11	395	25	22	46	13	14	6.4
22	27	176	85	e14	e15	334	28	18	92	38	12	5.4
23	24	155	64	e14	e44	237	26	17	37	19	10	142
24	21	95	47	e13	e40	155	23	20	32	16	8.3	29
25	19	72	e38	e13	e32	129	20	19	27	12	7.4	27
26	43	56	e34	e13	e30	136	67	26	24	9.6	8.6	24
27	26	46	e31	e12	e27	115	40	e23	21	9.1	8.4	28
28	22	38	37	e12	e23	88	33	20	18	8.3	6.0	257
29	20	34	28	e12	---	163	31	e19	15	6.8	9.1	89
30	19	34	26	e11	---	179	28	e17	12	5.8	18	64
31	18	---	61	e11	---	118	---	e24	---	5.3	7.5	---
TOTAL	847.34	1,365	1,288	740	511	3,141	1,406	1,220	1,122	414.6	809.5	1,746.8
MEAN	27.3	45.5	41.5	23.9	18.2	101	46.9	39.4	37.4	13.4	26.1	58.2
MAX	162	176	309	93	44	395	108	193	148	97	141	292
MIN	0.73	14	16	11	10	15	20	17	12	5.3	6.0	5.4
CFSM	1.91	3.18	2.91	1.67	1.28	7.09	3.28	2.75	2.62	0.94	1.83	4.07
IN.	2.20	3.55	3.35	1.93	1.33	8.17	3.66	3.17	2.92	1.08	2.11	4.54

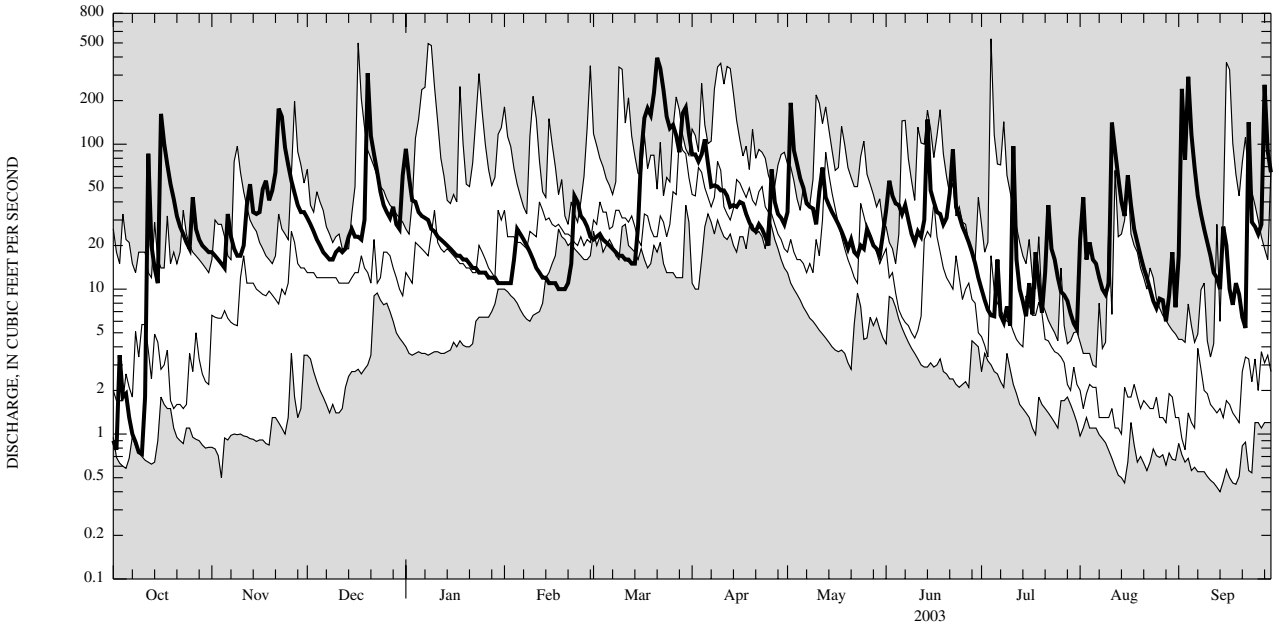
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	9.89	20.2	25.4	37.9	33.4	58.5	58.9	33.7	27.6	13.4	7.89	19.5
MAX	27.3	45.5	54.0	88.2	48.6	101	105	51.0	51.2	33.8	26.1	58.2
(WY)	(2003)	(2003)	(2001)	(1998)	(2002)	(2003)	(2001)	(2002)	(2000)	(1999)	(2003)	(2003)
MIN	1.05	1.21	5.20	17.1	18.2	23.0	32.0	6.32	4.27	2.85	1.09	1.33
(WY)	(2002)	(2002)	(1999)	(2002)	(2003)	(2001)	(1999)	(2001)	(1999)	(2001)	(2001)	(2001)

01421618 TOWN BROOK SOUTHEAST OF HOBART, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	10,522.82		14,611.24			
ANNUAL MEAN	28.8		40.0		28.8	
HIGHEST ANNUAL MEAN					40.0	2003
LOWEST ANNUAL MEAN					20.0	2002
HIGHEST DAILY MEAN	309	Dec 20	395	Mar 21	534	Jul 4, 1999
LOWEST DAILY MEAN	0.40	Sep 14	0.73	Oct 10	0.40	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	0.47	Sep 9	1.2	Oct 4	0.47	Sep 9, 2002
ANNUAL RUNOFF (CFSM)	2.02		2.80		2.01	
ANNUAL RUNOFF (INCHES)	27.37		38.01		27.36	
10 PERCENT EXCEEDS	72		88		66	
50 PERCENT EXCEEDS	20		24		15	
90 PERCENT EXCEEDS	0.87		8.9		1.3	

e Estimated



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.

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)
Dec 20	2100	2,030	6.08	Sep 2	1145	2,110	6.18
Mar 18	2230	1,930	5.94	Sep 4	1615	2,270	6.39
Mar 21	0900	*3,780	*8.21				

Minimum discharge, 18 ft^3/s, Oct. 10, gage height, 1.92 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	149	332	628	e90	191	676	255	449	117	139	99
2	27	148	268	636	e90	205	611	748	342	103	341	1,490
3	30	136	223	467	95	210	609	587	254	95	153	693
4	32	127	200	443	173	205	719	455	236	87	337	1,730
5	30	123	e180	392	249	196	844	395	228	82	192	1,010
6	29	203	e170	e330	211	e190	789	383	235	140	194	704
7	25	212	e160	e300	170	e180	599	320	223	99	153	516
8	22	166	160	e270	e160	e170	567	282	248	90	134	387
9	20	153	140	e260	e150	e160	534	283	185	86	126	296
10	19	145	168	e230	e140	e150	476	227	157	89	130	234
11	21	151	165	e220	e140	e150	443	235	179	428	292	191
12	302	188	171	e210	e140	e140	433	451	192	175	561	160
13	219	479	168	e200	e140	e140	352	339	198	110	302	138
14	143	313	235	e190	e130	142	318	326	832	96	217	131
15	107	287	275	e190	e130	149	304	275	448	83	178	153
16	471	290	226	e180	e120	314	292	245	360	90	167	173
17	1,050	526	188	e170	e110	799	268	225	298	84	202	122
18	546	587	e180	e160	e100	1,310	242	200	287	102	143	103
19	400	445	e200	e150	e98	1,430	226	177	258	112	123	97
20	367	467	1,040	e150	e94	1,450	198	158	243	79	107	101
21	273	513	1,050	e140	e100	3,510	179	170	450	81	95	87
22	226	735	712	e140	108	2,960	214	155	707	278	89	79
23	202	1,250	607	e130	360	2,150	212	137	435	169	80	888
24	179	849	498	e130	367	1,410	180	144	335	139	72	391
25	161	719	e360	e120	276	1,200	159	153	279	112	66	239
26	308	609	e340	e110	275	1,170	440	171	236	96	65	210
27	260	522	e320	e110	266	1,010	529	165	203	90	90	178
28	201	436	e300	e110	208	805	342	137	173	89	65	895
29	179	384	e290	e100	---	887	309	126	148	77	60	566
30	167	360	272	e96	---	1,120	277	116	132	70	215	435
31	155	---	342	e94	---	843	---	116	---	64	96	---
TOTAL	6,202	11,672	9,940	7,056	4,690	24,946	12,341	8,156	8,950	3,612	5,184	12,496
MEAN	200	389	321	228	168	805	411	263	298	117	167	417
MAX	1,050	1,250	1,050	636	367	3,510	844	748	832	428	561	1,730
MIN	19	123	140	94	90	140	159	116	132	64	60	79
CFSM	1.49	2.90	2.39	1.70	1.25	6.01	3.07	1.96	2.23	0.87	1.25	3.11
IN.	1.72	3.24	2.76	1.96	1.30	6.93	3.43	2.26	2.48	1.00	1.44	3.47

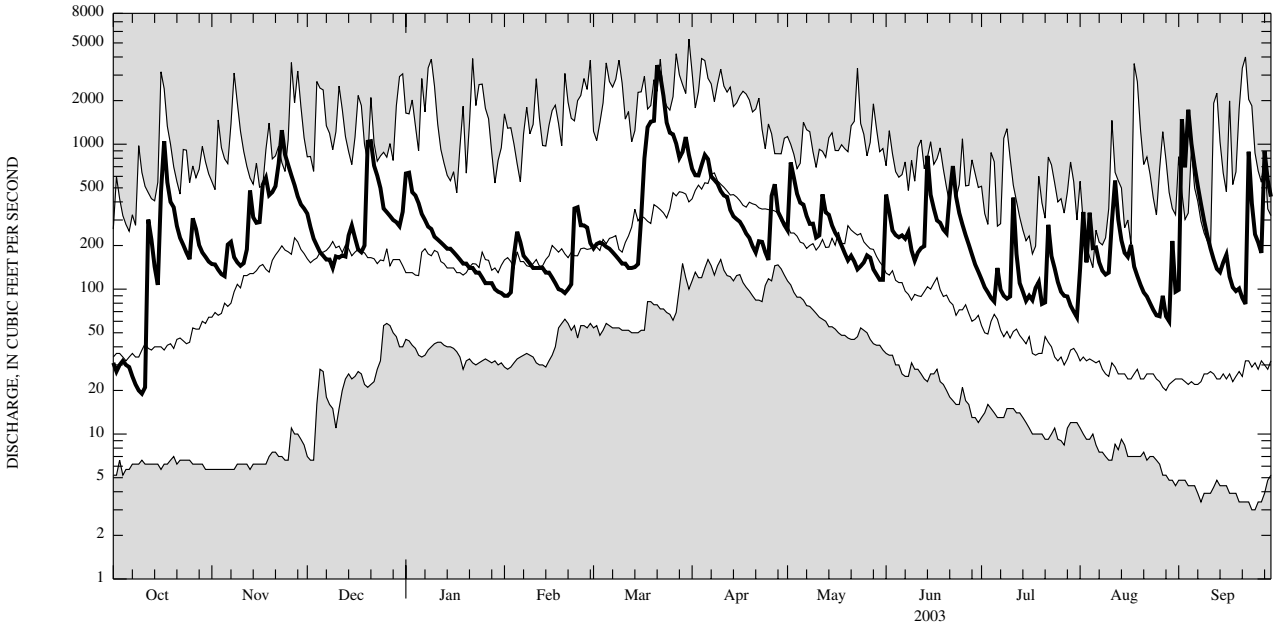
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	89.6	218	257	256	276	479	547	278	155	78.5	61.6	86.7
MAX	492	534	536	708	583	897	1,322	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)

01421900 WEST BRANCH DELAWARE RIVER UPSTREAM FROM DELHI, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	88,669		115,245			
ANNUAL MEAN	243		316		231	
HIGHEST ANNUAL MEAN					328	1956
LOWEST ANNUAL MEAN					112	1965
HIGHEST DAILY MEAN	1,990	Mar 27	3,510	Mar 21	5,320	Mar 31, 1940
LOWEST DAILY MEAN	10	Sep 13	19	Oct 10	3.0	Sep 24, 1964
ANNUAL SEVEN-DAY MINIMUM	11	Sep 11	24	Oct 5	3.3	Sep 20, 1964
ANNUAL RUNOFF (CFSM)	1.81		2.36		1.72	
ANNUAL RUNOFF (INCHES)	24.62		31.99		23.39	
10 PERCENT EXCEEDS	567		683		538	
50 PERCENT EXCEEDS	180		200		121	
90 PERCENT EXCEEDS	21		90		19	

e Estimated



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; maximum gage height, 1.77 ft, Mar. 4, 2003 (ice jam); minimum discharge, 0.01 ft^3/s, part or all of each day Sept. 6, 14-15, 18-22, 25-27, (corrected), Oct. 1-8, 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)
Mar 4	0100	ice jam	*1.77	Sep 4	1145	18	1.70
Mar 21	1245	*20	1.73				

Minimum discharge, 0.26 ft^3/s, Jan. 30, 31, Feb. 1, 2, 3, 4, gage height, 0.87 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.93	1.2	1.3	1.4	0.26	0.69	6.2	3.9	4.3	0.79	2.0	0.84
2	0.93	1.1	1.1	1.6	0.26	0.73	4.6	13	6.0	0.70	6.2	4.8
3	1.0	0.95	0.98	1.5	0.26	e0.84	3.9	11	4.9	0.56	5.8	4.1
4	0.90	0.85	0.84	1.4	0.70	e0.78	3.8	8.2	3.7	0.51	4.9	15
5	1.2	0.77	0.76	1.3	0.73	0.56	4.3	6.0	3.1	0.47	4.4	13
6	1.1	1.1	0.69	1.2	e0.52	e0.57	3.9	4.5	2.3	0.42	4.5	8.3
7	1.1	1.1	0.63	e1.1	e0.43	e0.50	3.3	3.5	2.4	0.52	3.1	5.3
8	1.0	1.1	0.58	e1.0	e0.45	0.46	2.7	3.1	2.0	0.46	2.5	3.7
9	0.91	1.1	0.55	e0.92	e0.41	0.47	2.2	2.6	1.8	0.53	2.0	2.8
10	0.84	1.2	0.56	e0.86	e0.38	e0.45	1.9	2.1	1.6	0.44	1.9	2.1
11	1.1	1.5	0.49	e0.82	e0.35	e0.42	1.9	2.2	1.8	1.4	5.3	1.7
12	9.0	2.2	0.48	0.79	e0.37	0.39	2.1	2.4	1.6	0.72	9.5	1.4
13	8.2	3.6	0.46	0.74	e0.42	0.37	2.7	2.6	2.0	0.68	7.2	1.2
14	6.3	3.9	0.57	0.69	e0.50	0.51	3.1	2.7	5.2	0.62	5.0	1.2
15	4.9	3.1	0.54	0.65	e0.40	0.34	3.1	2.6	5.2	0.57	3.7	1.2
16	7.9	2.6	0.54	0.61	e0.35	0.41	4.5	2.4	3.8	0.88	3.0	1.2
17	12	3.7	0.53	0.58	e0.32	0.83	4.4	2.1	2.8	0.61	2.4	0.63
18	9.2	3.5	0.57	e0.54	e0.34	3.2	2.9	1.8	2.4	0.92	2.0	0.50
19	7.3	2.9	0.54	e0.52	0.33	5.0	2.1	1.6	1.9	0.86	1.7	0.50
20	5.5	2.4	3.6	0.51	0.31	6.9	1.8	1.3	2.0	0.81	1.4	0.51
21	4.1	2.3	5.1	0.49	0.31	13	1.6	1.3	2.1	2.0	1.2	0.39
22	3.2	4.1	4.0	0.49	0.50	14	1.4	1.1	2.6	5.9	1.1	0.33
23	2.0	6.7	3.0	e0.45	1.1	13	1.3	0.98	2.8	6.1	0.98	2.7
24	1.7	5.4	2.3	e0.42	1.1	9.7	1.1	0.98	2.5	4.3	0.84	2.6
25	1.4	4.1	e1.9	0.35	1.1	9.0	0.92	0.88	2.0	2.8	0.75	2.7
26	2.0	3.1	e1.5	0.32	1.1	11	2.2	1.1	1.7	2.2	0.68	2.3
27	1.8	2.5	e1.3	0.32	0.87	9.4	3.8	1.2	1.4	1.8	0.62	2.1
28	1.8	2.0	e1.2	0.39	0.75	8.0	3.6	1.4	1.2	1.6	0.57	3.5
29	1.7	1.8	1.2	0.29	---	11	2.9	1.4	1.0	1.3	0.56	3.1
30	1.5	1.5	1.0	0.27	---	12	2.2	1.3	0.88	1.1	0.53	2.7
31	1.3	---	1.2	0.28	---	8.8	---	1.8	---	0.97	0.47	---
TOTAL	103.81	73.37	40.01	22.80	14.92	143.32	86.42	93.04	78.98	43.54	86.80	92.40
MEAN	3.35	2.45	1.29	0.74	0.53	4.62	2.88	3.00	2.63	1.40	2.80	3.08
MAX	12	6.7	5.1	1.6	1.1	14	6.2	13	6.0	6.1	9.5	15
MIN	0.84	0.77	0.46	0.27	0.26	0.34	0.92	0.88	0.88	0.42	0.47	0.33
CFSM	4.41	3.22	1.70	0.97	0.70	6.08	3.79	3.95	3.46	1.85	3.68	4.05
IN.	5.08	3.59	1.96	1.12	0.73	7.02	4.23	4.55	3.87	2.13	4.25	4.52

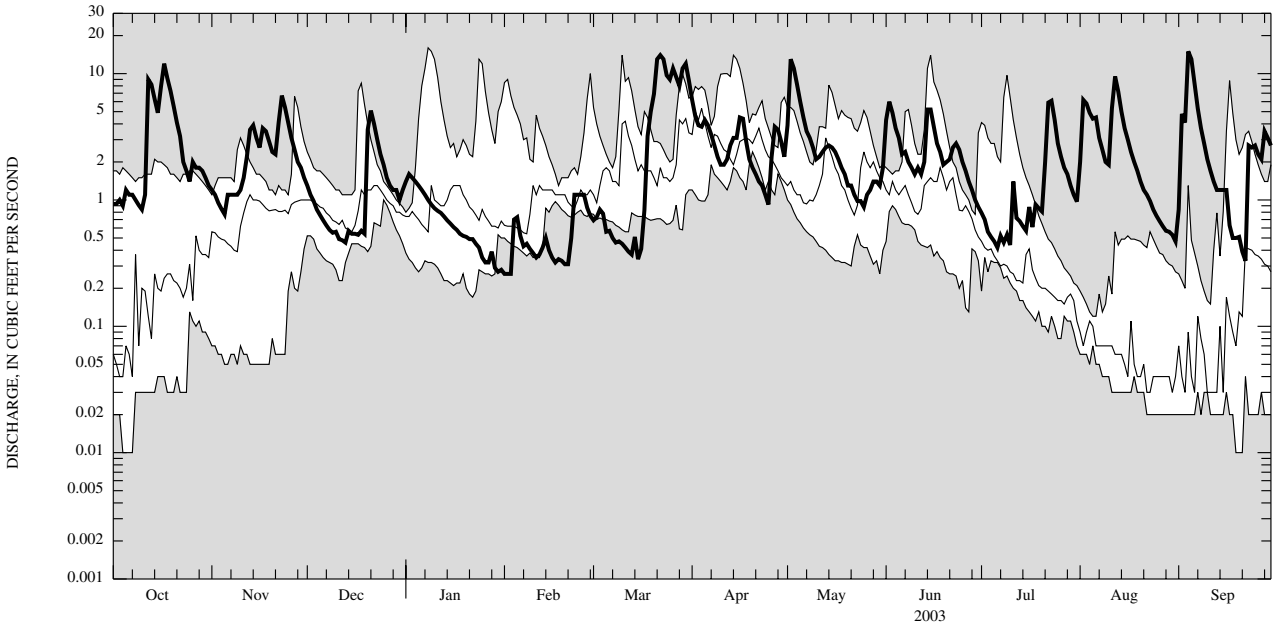
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	1.01	1.12	1.16	1.54	1.38	2.77	3.38	2.03	1.66	0.76	0.56	0.91
MAX	3.35	2.45	1.76	3.74	2.99	4.62	5.06	3.50	2.85	2.10	2.80	3.08
(WY)	(2003)	(2003)	(2001)	(1998)	(2002)	(2003)	(2001)	(2002)	(1998)	(1998)	(2003)	(2003)
MIN	0.090	0.10	0.65	0.43	0.53	0.72	2.88	0.57	0.48	0.19	0.056	0.024
(WY)	(2002)	(2002)	(1999)	(2001)	(2003)	(2001)	(2003)	(2001)	(1999)	(2002)	(2001)	(1998)

01422389 COULTER BROOK NEAR BOVINA CENTER, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	673.95		879.41			
ANNUAL MEAN	1.85		2.41		1.52	
HIGHEST ANNUAL MEAN					2.41	2003
LOWEST ANNUAL MEAN					1.02	2001
HIGHEST DAILY MEAN	12	Oct 17	15	Sep 4	16	Jan 8, 1998
LOWEST DAILY MEAN	0.03	Aug 11	0.26	Feb 1	0.01	Sep 19, 1998
ANNUAL SEVEN-DAY MINIMUM	0.03	Aug 9	0.29	Jan 28	0.01	Oct 1, 1998
ANNUAL RUNOFF (CFSM)	2.43		3.17		2.00	
ANNUAL RUNOFF (INCHES)	32.99		43.04		27.20	
10 PERCENT EXCEEDS	4.8		5.4		3.7	
50 PERCENT EXCEEDS	1.2		1.4		0.88	
90 PERCENT EXCEEDS	0.10		0.46		0.07	

e Estimated



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.

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 and crest-stage gage. 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)
Oct 16	2045	1,680	5.39	Aug 11	1930	1,680	5.39
Mar 21	0100	1,740	5.45	Sep 2	0800	1,510	5.22
Jun 14	0315	1,360	5.06	Sep 4	0545	*2,290	*5.94

Minimum discharge, 18 ft^3/s, Sept. 1, gage height, 2.13 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	79	120	189	e34	e49	254	124	147	42	93	36
2	31	75	100	210	e33	e54	239	458	108	37	411	578
3	42	71	84	154	e32	e60	221	310	96	32	244	157
4	34	64	e74	e130	e40	e66	236	244	91	29	327	1,030
5	39	58	e68	e120	e60	e64	313	197	91	26	206	476
6	32	109	e64	e110	e52	e60	273	176	84	26	186	284
7	28	92	e60	e100	e46	e57	229	140	91	32	142	184
8	25	77	e58	e96	e40	e58	211	123	84	33	143	134
9	23	73	e56	e90	e42	e56	193	117	61	29	138	98
10	21	72	e54	e86	e39	e52	164	90	50	25	134	76
11	27	80	e56	e78	e36	e49	153	95	71	234	448	61
12	429	114	e58	e74	e35	e46	144	136	65	61	416	49
13	208	209	e62	e70	e39	e45	123	115	83	40	334	42
14	158	150	e90	e66	e50	e43	113	110	560	32	210	38
15	118	154	e86	e62	e44	44	108	94	275	27	155	40
16	566	153	e76	e58	e36	117	103	86	207	38	131	54
17	625	389	e68	e54	e33	289	92	80	160	28	114	35
18	430	335	e95	e52	e30	524	81	72	152	98	91	29
19	329	275	e140	e50	e33	551	73	61	126	65	72	27
20	279	279	543	e49	e30	655	63	51	140	42	60	30
21	192	270	405	e47	e29	1,320	59	59	219	74	50	24
22	152	398	322	e45	e37	1,120	69	48	255	176	46	21
23	131	497	254	e42	e70	801	66	42	171	124	40	359
24	110	397	195	e40	e66	537	54	45	145	104	33	102
25	99	323	169	e39	e74	447	46	45	122	84	29	76
26	190	256	199	e40	e58	449	163	58	102	68	29	67
27	127	211	136	e41	e50	384	152	47	87	64	30	59
28	108	168	113	e38	e46	300	133	39	72	57	26	304
29	98	147	101	e37	---	361	126	35	60	45	21	164
30	92	136	91	e37	---	400	111	33	50	38	25	139
31	84	---	116	e34	---	311	---	46	---	33	20	---
TOTAL	4,862	5,711	4,113	2,338	1,214	9,369	4,365	3,376	4,025	1,843	4,404	4,773
MEAN	157	190	133	75.4	43.4	302	146	109	134	59.5	142	159
MAX	625	497	543	210	74	1,320	313	458	560	234	448	1,030
MIN	21	58	54	34	29	43	46	33	50	25	20	21
CFSM	3.15	3.82	2.66	1.51	0.87	6.07	2.92	2.19	2.69	1.19	2.85	3.19
IN.	3.63	4.27	3.07	1.75	0.91	7.00	3.26	2.52	3.01	1.38	3.29	3.57

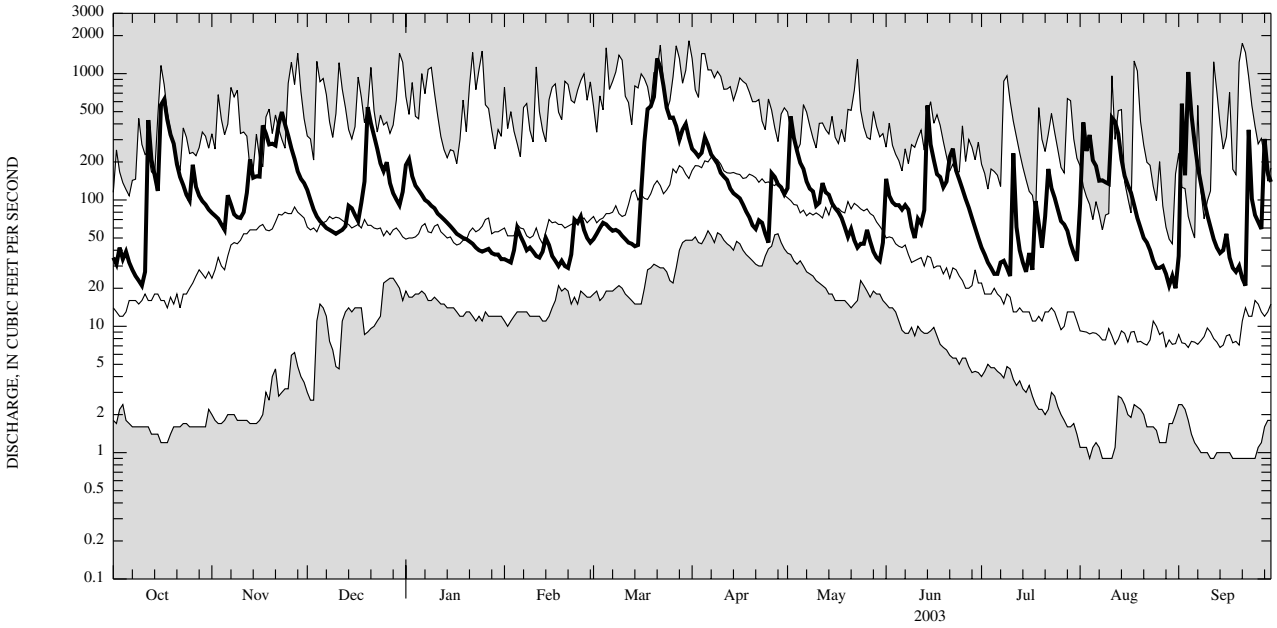
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	40.4	89.2	101	97.1	99.3	176	208	106	57.5	33.7	22.3	34.7
MAX	203	227	200	265	224	346	490	240	157	173	142	235
(WY)	(1956)	(1960)	(1951)	(1998)	(1939)	(1945)	(1958)	(1943)	(1998)	(1998)	(2003)	(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)

01422500 LITTLE DELAWARE RIVER NEAR DELHI, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	39,153.6		50,393			
ANNUAL MEAN	107		138		88.7	
HIGHEST ANNUAL MEAN					138	2003
LOWEST ANNUAL MEAN					42.2	1965
HIGHEST DAILY MEAN	625	Oct 17	1,320	Mar 21	1,820	Mar 31, 1940
LOWEST DAILY MEAN	3.2	Aug 13	20	Aug 31	0.90	Aug 4, 1964
ANNUAL SEVEN-DAY MINIMUM	4.0	Aug 9	26	Aug 25	0.90	Sep 18, 1964
ANNUAL RUNOFF (CFSM)	2.15		2.77		1.78	
ANNUAL RUNOFF (INCHES)	29.25		37.64		24.20	
10 PERCENT EXCEEDS	254		322		205	
50 PERCENT EXCEEDS	77		84		46	
90 PERCENT EXCEEDS	8.4		33		6.1	

e Estimated



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 for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47 ft^3/s, Sept. 4, 2003, gage height, 2.51 ft, from rating curve extended above 20 ft^3/s; 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)
Oct 16	1715	18	2.17	Sep 2	0500	23	2.29
Mar 18	1545	12	2.05	Sep 4	0345	a*47	*2.51
Mar 21	0015	27	2.30	Sep 23	0530	31	2.38
Jun 13	2315	25	2.30	Sep 28	0615	19	2.24

a From rating curve extended as explained above.

Minimum discharge, 0.07 ft^3/s, Oct. 2, gage height, 1.40 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	0.82	1.0	1.6	e0.25	e0.54	2.3	1.6	2.5	0.41	0.91	0.83
2	0.11	0.80	0.86	1.8	e0.26	e0.54	2.4	2.0	1.6	0.36	1.2	6.9
3	0.24	0.79	0.80	1.4	e0.28	e0.52	2.3	1.5	1.0	0.33	0.59	2.7
4	0.19	0.82	0.77	e1.1	0.92	e0.52	2.5	1.3	1.00	0.34	0.59	11
5	0.20	0.83	0.72	e1.0	0.72	e0.50	3.1	1.3	1.2	0.33	0.59	2.0
6	0.17	1.7	0.72	e0.94	e0.52	e0.48	2.6	1.3	0.90	0.37	0.71	1.6
7	0.15	1.3	0.68	e0.90	e0.46	e0.47	2.3	1.2	0.90	0.62	0.59	1.2
8	0.11	1.1	0.66	e0.86	e0.42	e0.45	2.1	1.2	0.83	0.50	0.51	0.84
9	0.09	1.0	0.62	e0.80	e0.40	e0.44	2.0	1.1	0.73	0.54	0.77	0.52
10	0.09	1.0	0.54	e0.72	e0.39	e0.43	1.8	0.99	0.63	0.43	0.74	0.41
11	0.26	1.0	0.86	e0.66	e0.38	e0.41	1.8	1.1	0.87	1.8	0.93	0.39
12	1.9	1.4	1.1	e0.62	e0.38	0.49	1.7	1.4	0.84	0.64	0.85	0.36
13	0.90	1.9	0.88	e0.60	e0.39	0.49	1.5	1.3	2.5	0.52	0.65	0.33
14	0.69	1.3	1.7	e0.58	e0.42	0.50	1.4	1.2	6.0	0.44	0.60	0.31
15	0.53	1.2	1.3	e0.56	e0.54	0.56	1.3	1.1	2.3	0.37	0.55	0.65
16	6.0	1.4	1.2	e0.54	0.96	1.1	1.2	1.0	1.6	0.48	0.53	0.58
17	3.2	2.6	1.1	e0.52	0.66	2.3	1.1	0.95	1.3	0.37	0.52	0.36
18	2.3	2.2	0.99	e0.50	e0.30	5.1	1.0	0.93	1.3	1.4	0.53	0.27
19	2.2	2.1	0.86	e0.47	e0.28	4.3	0.98	0.86	0.99	0.72	0.54	0.29
20	1.9	2.2	3.1	e0.45	e0.27	8.0	0.90	0.82	1.2	0.53	0.44	0.32
21	1.6	2.2	2.4	e0.44	e0.29	19	0.89	0.96	1.8	0.71	0.40	0.32
22	1.3	2.6	2.1	e0.43	0.58	15	1.1	0.82	1.8	1.6	0.38	0.33
23	1.1	2.7	1.8	e0.42	1.6	8.1	0.99	0.73	1.3	1.2	0.36	9.1
24	0.98	2.4	1.4	e0.37	1.0	4.6	0.92	0.99	1.1	0.92	0.33	1.6
25	0.87	2.1	e1.4	e0.36	e0.70	4.1	0.85	1.1	0.91	0.76	0.30	0.91
26	1.8	1.9	1.3	e0.34	e0.64	4.1	2.7	1.1	0.74	0.63	0.35	0.66
27	1.2	1.6	1.0	e0.33	e0.60	3.2	2.1	0.93	0.63	0.66	0.34	0.50
28	1.1	1.3	0.90	e0.32	e0.56	2.6	1.8	0.82	0.52	0.57	0.28	5.9
29	0.99	1.2	0.85	e0.30	---	3.3	1.7	0.75	0.47	0.49	0.29	2.9
30	0.86	1.1	0.79	e0.28	---	3.6	1.5	0.80	0.44	0.43	0.31	1.1
31	0.82	---	1.1	e0.26	---	2.6	---	0.91	---	0.39	0.27	---
TOTAL	33.97	46.56	35.50	20.47	15.17	98.34	50.83	34.06	39.90	19.86	16.95	55.18
MEAN	1.10	1.55	1.15	0.66	0.54	3.17	1.69	1.10	1.33	0.64	0.55	1.84
MAX	6.0	2.7	3.1	1.8	1.6	19	3.1	2.0	6.0	1.8	1.2	11
MIN	0.09	0.79	0.54	0.26	0.25	0.41	0.85	0.73	0.44	0.33	0.27	0.27
CFSM	1.80	2.54	1.88	1.08	0.89	5.20	2.78	1.80	2.18	1.05	0.90	3.02
IN.	2.07	2.84	2.16	1.25	0.93	6.00	3.10	2.08	2.43	1.21	1.03	3.37

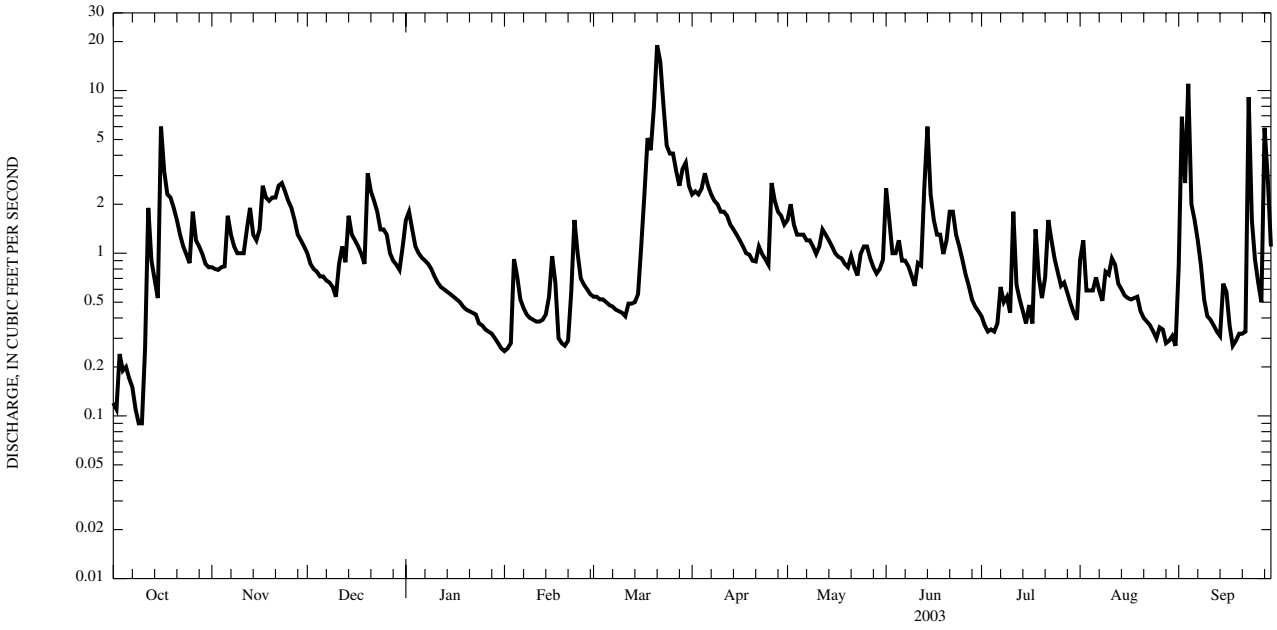
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	0.52	0.65	0.89	1.10	1.36	2.09	2.03	1.13	0.73	0.23	0.17	0.53
MAX	1.10	1.55	1.52	2.48	1.84	3.17	2.99	1.91	1.33	0.64	0.55	1.84
(WY)	(2003)	(2003)	(2001)	(1999)	(2002)	(2003)	(2001)	(2002)	(2003)	(2003)	(2003)	(2003)
MIN	0.072	0.095	0.34	0.66	0.54	1.24	1.20	0.31	0.13	0.065	0.016	0.095
(WY)	(2002)	(2002)	(1999)	(2003)	(2003)	(2001)	(1999)	(2001)	(1999)	(1999)	(1999)	(2001)

01422738 WOLF CREEK AT MUNDALE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	383.59		466.79			
ANNUAL MEAN	1.05		1.28		0.95	
HIGHEST ANNUAL MEAN					1.28	2003
LOWEST ANNUAL MEAN					0.68	1999
HIGHEST DAILY MEAN	7.1	Feb 1	19	Mar 21	19	Mar 21, 2003
LOWEST DAILY MEAN	0.02	Aug 10	0.09	Oct 9	0.00	Aug 17, 1999
ANNUAL SEVEN-DAY MINIMUM	0.02	Sep 8	0.14	Oct 4	0.00	Aug 30, 1999
ANNUAL RUNOFF (CFSM)	1.72		2.10		1.56	
ANNUAL RUNOFF (INCHES)	23.39		28.47		21.14	
10 PERCENT EXCEEDS	2.2		2.3		2.1	
50 PERCENT EXCEEDS	0.94		0.86		0.60	
90 PERCENT EXCEEDS	0.03		0.33		0.05	

e Estimated



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)
Oct 16	1945	666	4.13	Sep 4	0515	604	4.01
Mar 21	0000	*944	*4.60	Sep 23	0715	530	3.86
Sep 2	0730	516	3.83				

Minimum discharge, 4.6 ft^3/s, Oct. 9, 10, 11; minimum gage height, 1.62 ft, Aug. 31, Sept. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	28	48	71	e16	e31	99	55	55	18	26	13
2	6.6	26	41	101	e15	e30	99	89	42	16	66	205
3	8.5	25	36	74	e15	e29	97	66	36	15	29	83
4	7.6	24	33	70	e71	e29	104	59	33	14	29	259
5	7.3	23	30	62	e52	e28	124	54	31	13	40	133
6	6.4	44	29	57	e40	e27	115	51	28	14	51	92
7	5.7	39	e27	52	e36	e25	98	45	31	14	45	68
8	5.1	35	25	51	e29	e24	91	42	30	15	36	52
9	4.8	34	e24	49	e28	e23	84	40	25	14	39	41
10	4.6	33	e20	45	e27	e22	76	34	21	13	41	34
11	6.3	32	e40	45	e26	e21	71	35	25	48	48	28
12	73	43	e44	38	e25	e20	73	47	26	21	50	23
13	45	76	37	e34	e24	e19	63	43	36	16	38	21
14	35	57	70	e31	e22	e20	57	41	208	13	32	19
15	28	53	71	e30	e21	e25	52	37	108	12	27	31
16	211	56	65	e32	e25	50	48	33	80	13	25	29
17	189	124	56	e30	e24	140	42	30	60	11	23	20
18	116	111	e52	e27	e25	245	38	27	59	40	20	17
19	90	95	47	e26	e25	231	35	24	49	26	18	16
20	77	97	170	e24	e24	281	31	21	54	18	16	16
21	58	97	125	e23	e25	638	29	25	91	30	15	14
22	47	117	100	e22	22	461	34	21	95	69	14	12
23	41	138	84	e21	e64	312	34	18	72	50	12	214
24	35	113	68	e20	e55	215	30	20	59	39	11	99
25	31	98	57	e20	e43	184	27	20	48	32	10	76
26	59	85	63	e20	e39	180	85	24	40	26	10	61
27	44	73	50	e19	e37	147	91	22	33	23	10	53
28	38	63	44	e19	e33	115	76	18	27	22	9.0	113
29	35	57	40	e19	---	128	67	18	23	18	8.3	75
30	32	53	37	e18	---	148	57	17	20	15	9.3	64
31	30	---	43	e19	---	117	---	20	---	14	8.1	---
TOTAL	1,384.7	1,949	1,676	1,169	888	3,965	2,027	1,096	1,545	702	815.7	1,981
MEAN	44.7	65.0	54.1	37.7	31.7	128	67.6	35.4	51.5	22.6	26.3	66.0
MAX	211	138	170	101	71	638	124	89	208	69	66	259
MIN	4.6	23	20	18	15	19	27	17	20	11	8.1	12
CFSM	1.81	2.63	2.19	1.53	1.28	5.18	2.74	1.43	2.09	0.92	1.07	2.67
IN.	2.09	2.94	2.52	1.76	1.34	5.97	3.05	1.65	2.33	1.06	1.23	2.98

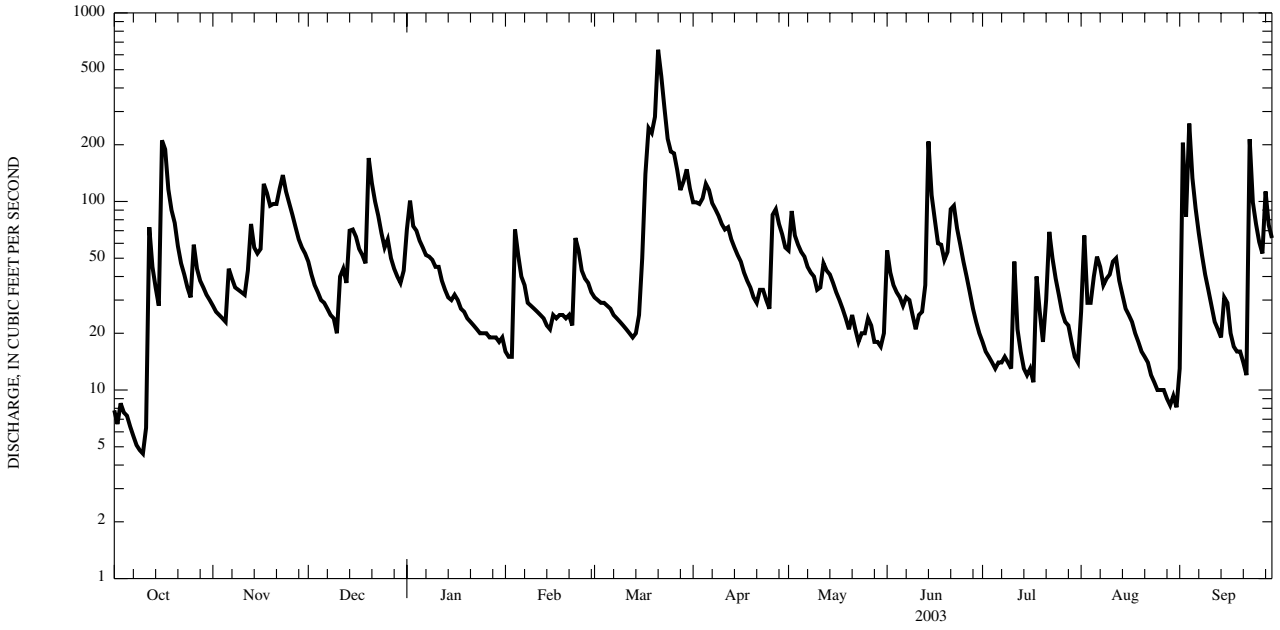
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	19.5	26.2	36.1	41.5	53.3	83.1	85.3	48.9	38.4	11.2	9.46	21.0
MAX	44.7	65.0	60.6	92.9	77.3	128	123	87.3	51.5	22.6	26.3	66.0
(WY)	(2003)	(2003)	(2001)	(1999)	(2000)	(2003)	(2001)	(2000)	(2003)	(2003)	(2003)	(2003)
MIN	3.14	3.29	9.88	17.4	31.7	45.2	55.1	15.5	7.17	4.94	1.76	4.54
(WY)	(2002)	(2002)	(1999)	(2001)	(2003)	(2001)	(1999)	(2001)	(1999)	(1999)	(1999)	(2001)

01422747 EAST BROOK EAST OF WALTON, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	15,697.2		19,198.4			
ANNUAL MEAN	43.0		52.6		39.4	
HIGHEST ANNUAL MEAN					52.6	2003
LOWEST ANNUAL MEAN					28.4	1999
HIGHEST DAILY MEAN	279	Mar 27	638	Mar 21	638	Mar 21, 2003
LOWEST DAILY MEAN	1.6	Aug 23	4.6	Oct 10	1.2	Sep 5, 1999
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 10	5.7	Oct 5	1.4	Aug 2, 1999
ANNUAL RUNOFF (CFSM)	1.74		2.13		1.59	
ANNUAL RUNOFF (INCHES)	23.64		28.91		21.65	
10 PERCENT EXCEEDS	97		100		92	
50 PERCENT EXCEEDS	37		35		25	
90 PERCENT EXCEEDS	2.9		15		3.0	

e Estimated



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)
Mar 21	2130	*9,620	*11.21

No other peak greater than base discharge.

Minimum discharge, 81 ft^3/s, Oct. 10, 11, gage height, 2.75 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	449	776	1,090	268	e550	1,610	745	799	324	344	235
2	123	437	664	1,350	266	e520	1,440	1,540	866	283	998	2,330
3	132	417	571	1,040	262	e480	1,450	1,500	679	254	572	1,510
4	133	389	518	993	395	e445	1,520	1,170	637	231	848	3,380
5	126	373	495	892	651	e435	1,720	1,020	600	216	717	2,480
6	123	524	490	e770	e470	e420	1,830	959	595	236	772	1,650
7	108	595	437	e700	e450	e410	1,430	838	556	255	652	1,230
8	98	507	430	e650	e400	e420	1,330	746	630	257	539	965
9	89	476	351	e640	e360	e410	1,250	730	505	216	617	770
10	83	457	336	e580	e330	e370	1,140	614	433	218	568	632
11	93	457	377	e520	e330	e375	1,050	576	439	833	761	532
12	722	514	530	e480	e310	e380	1,070	888	522	572	1,630	456
13	803	983	503	e450	e305	e370	918	787	542	325	1,120	402
14	587	822	651	e430	e305	e330	840	758	2,160	263	854	374
15	467	764	794	e390	e310	373	791	676	1,450	223	693	464
16	1,070	770	e680	e370	e300	570	746	613	1,130	228	594	517
17	2,820	1,250	e560	e360	e290	1,430	678	569	923	225	589	398
18	1,640	1,420	506	e345	e305	2,730	615	518	857	346	487	319
19	1,220	1,200	588	e340	e285	3,310	569	468	774	435	408	295
20	1,110	1,180	1,590	e330	e280	3,190	511	420	715	275	345	297
21	878	1,210	2,300	e320	e280	8,480	470	436	1,180	297	300	263
22	736	1,420	1,570	e310	334	7,740	514	419	1,450	807	272	237
23	647	2,130	1,340	e300	820	5,370	537	367	1,150	684	247	1,800
24	573	1,700	1,120	e295	1,050	3,400	473	376	933	549	214	1,330
25	513	1,490	988	e290	e740	2,760	424	394	792	404	192	862
26	748	1,280	856	e265	e640	2,730	786	413	679	373	179	732
27	732	1,120	893	e285	e600	2,400	1,400	448	577	331	200	633
28	595	977	778	e270	e580	1,910	1,010	368	498	317	177	1,530
29	543	877	695	e290	---	1,920	908	344	425	264	158	1,340
30	510	817	620	e270	---	2,520	805	329	370	226	235	1,050
31	478	---	646	e260	---	1,960	---	338	---	200	249	---
TOTAL	18,640	27,005	23,653	15,875	11,916	58,708	29,835	20,367	23,866	10,667	16,531	29,013
MEAN	601	900	763	512	426	1,894	994	657	796	344	533	967
MAX	2,820	2,130	2,300	1,350	1,050	8,480	1,830	1,540	2,160	833	1,630	3,380
MIN	83	373	336	260	262	330	424	329	370	200	158	235
CFSM	1.81	2.71	2.30	1.54	1.28	5.70	3.00	1.98	2.40	1.04	1.61	2.91
IN.	2.09	3.03	2.65	1.78	1.34	6.58	3.34	2.28	2.67	1.20	1.85	3.25

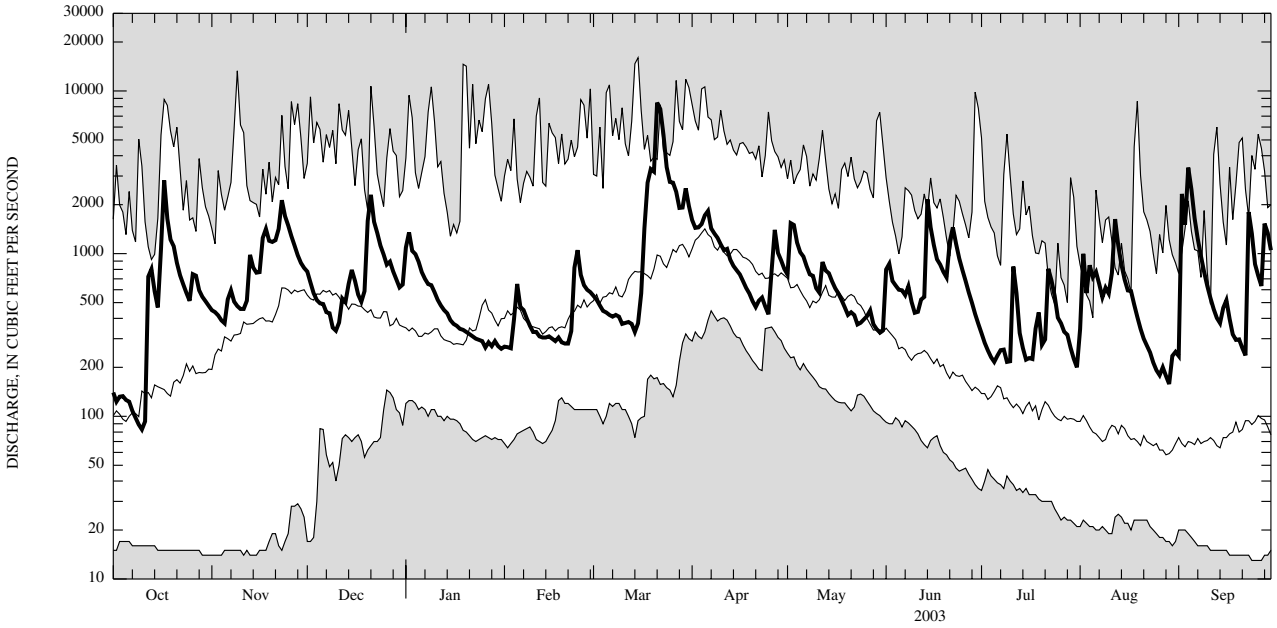
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

MEAN	336	614	715	634	681	1,116	1,278	683	370	203	151	207
MAX	2,013	1,605	2,002	1,980	2,052	2,935	2,953	1,564	1,111	889	942	1,332
(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)

01423000 WEST BRANCH DELAWARE RIVER AT WALTON, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	216,256		286,076			
ANNUAL MEAN	592		784		581	
HIGHEST ANNUAL MEAN					833	1976
LOWEST ANNUAL MEAN					263	1965
HIGHEST DAILY MEAN	3,900	Mar 27	8,480	Mar 21	16,000	Mar 15, 1986
LOWEST DAILY MEAN	25	Sep 20	83	Oct 10	13	Sep 24, 1964
ANNUAL SEVEN-DAY MINIMUM	27	Sep 15	103	Oct 5	13	Sep 21, 1964
ANNUAL RUNOFF (CFSM)	1.78		2.36		1.75	
ANNUAL RUNOFF (INCHES)	24.23		32.05		23.79	
10 PERCENT EXCEEDS	1,310		1,490		1,330	
50 PERCENT EXCEEDS	503		569		315	
90 PERCENT EXCEEDS	49		261		55	

e Estimated



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)
Jun 13	2345	a*1,090	*6.08

No other peak greater than base discharge.

a From rating curve extended above 450 ft^3/s.

Minimum discharge, 3.5 ft^3/s, Oct. 10, gage height, 1.24 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	26	37	58	12	30	94	48	113	18	26	12
2	8.0	24	31	94	12	e30	97	83	76	16	19	143
3	9.9	23	25	64	11	e27	95	57	61	15	14	39
4	8.2	22	23	60	42	e26	100	49	51	13	18	131
5	7.8	21	23	52	e34	27	120	50	45	13	18	65
6	6.1	43	23	48	e27	26	105	46	36	13	22	46
7	5.2	33	20	44	e25	e27	88	39	38	13	17	36
8	4.5	29	19	43	e23	24	81	34	33	13	16	29
9	4.1	28	15	42	e22	23	73	32	27	15	16	24
10	3.7	27	15	38	e21	e20	66	29	27	12	15	20
11	8.6	26	17	33	e20	e20	66	35	30	55	16	18
12	91	32	35	31	e19	20	69	54	27	19	17	16
13	43	45	29	27	e18	19	62	43	102	15	14	15
14	34	34	54	25	e17	e18	57	42	420	13	13	15
15	27	31	52	24	e16	21	51	38	177	11	12	58
16	164	37	48	e23	e15	46	45	33	108	12	11	62
17	159	94	43	e22	14	118	38	31	74	10	11	32
18	102	81	36	e20	15	190	34	28	70	29	11	27
19	86	71	39	e19	15	192	32	23	54	18	9.9	28
20	71	76	131	e19	14	221	28	20	96	13	9.3	27
21	53	74	92	18	15	408	27	27	142	24	8.7	22
22	43	85	76	e18	20	334	34	19	136	57	8.3	20
23	37	87	65	e17	76	246	32	17	96	32	7.7	196
24	31	76	53	e16	54	182	29	25	72	30	6.9	94
25	28	67	e45	15	42	167	26	23	55	25	6.8	72
26	61	60	e55	14	38	172	100	29	43	20	6.7	57
27	42	54	44	e15	37	141	95	25	36	19	6.5	45
28	35	47	35	e15	33	111	79	27	29	18	5.9	78
29	32	42	32	13	---	139	65	28	25	15	5.7	50
30	29	42	29	e13	---	147	51	21	21	13	6.2	42
31	27	---	34	e13	---	116	---	34	---	12	5.8	---
TOTAL	1,270.8	1,437	1,275	953	707	3,288	1,939	1,089	2,320	601	380.4	1,519
MEAN	41.0	47.9	41.1	30.7	25.2	106	64.6	35.1	77.3	19.4	12.3	50.6
MAX	164	94	131	94	76	408	120	83	420	57	26	196
MIN	3.7	21	15	13	11	18	26	17	21	10	5.7	12
CFSM	2.03	2.37	2.04	1.52	1.25	5.25	3.20	1.74	3.83	0.96	0.61	2.51
IN.	2.34	2.65	2.35	1.76	1.30	6.06	3.57	2.01	4.27	1.11	0.70	2.80

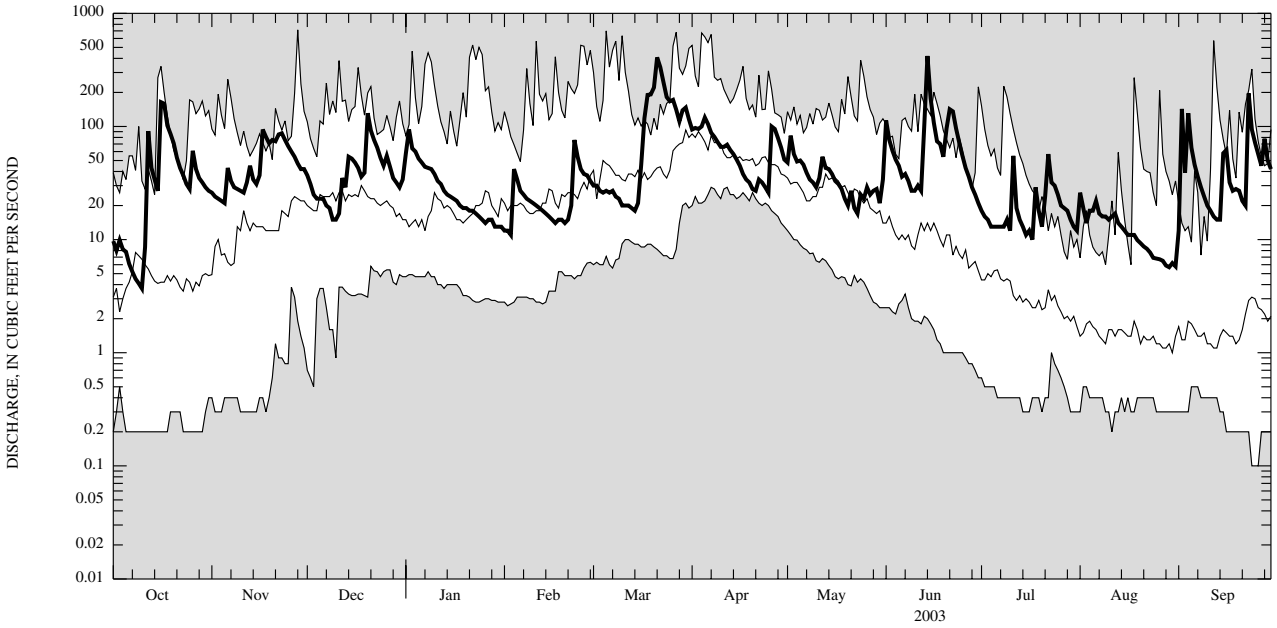
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2003, BY WATER YEAR (WY)

MEAN	13.8	25.3	31.9	35.9	38.9	67.1	78.9	35.7	23.4	7.66	4.51	11.7
MAX	63.9	102	68.0	89.7	74.8	131	181	88.0	77.3	50.5	29.1	52.8
(WY)	(1956)	(1960)	(1960)	(1998)	(1961)	(1964)	(1958)	(2000)	(2003)	(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)

0142400103 TROUT CREEK NEAR TROUT CREEK, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1953 - 2003	
ANNUAL TOTAL	14,796.46		16,779.2			
ANNUAL MEAN	40.5		46.0		31.6	
HIGHEST ANNUAL MEAN					46.7	1960
LOWEST ANNUAL MEAN					15.0	1965
HIGHEST DAILY MEAN	281	Mar 27	420	Jun 14	715	Nov 28, 1959
LOWEST DAILY MEAN	0.69	Aug 23	3.7	Oct 10	0.10	Sep 24, 1964
ANNUAL SEVEN-DAY MINIMUM	0.75	Aug 17	5.7	Oct 4	0.16	Sep 20, 1964
ANNUAL RUNOFF (CFSM)	2.01		2.28		1.56	
ANNUAL RUNOFF (INCHES)	27.25		30.90		21.26	
10 PERCENT EXCEEDS	97		95		78	
50 PERCENT EXCEEDS	31		30		15	
90 PERCENT EXCEEDS	1.5		12		1.2	

e Estimated



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, 89 ft^3/s, June 13, 2003, gage height, 2.35 ft; maximum gage height, 2.48 ft, from crest-stage gage, May 24, 2000; 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)
Oct 16	1830	31	1.70	Mar 22	1515	36	1.79
Mar 20	2330	32	1.72	Jun 13	2230	*89	*2.35

Minimum discharge, 0.15 ft^3/s, Oct. 9, 10, gage height, 0.28 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.37	1.8	2.3	2.5	0.49	1.8	6.9	3.7	7.7	1.1	1.4	0.88
2	0.32	1.7	2.1	3.4	0.48	1.9	6.3	5.8	5.7	0.99	0.94	11
3	0.40	1.5	1.7	3.0	0.46	e1.8	6.7	4.7	4.5	0.88	0.67	4.4
4	0.34	1.4	1.4	2.8	5.4	e1.7	7.5	4.0	3.8	0.79	0.91	10
5	0.32	1.4	1.2	2.7	4.0	1.7	7.4	3.6	3.3	0.71	0.89	5.9
6	0.25	3.1	1.2	2.7	e2.0	1.6	6.6	3.2	2.6	0.63	0.99	4.3
7	0.22	2.7	1.0	2.6	1.7	e1.6	5.9	2.7	2.5	0.76	0.80	3.4
8	0.19	2.3	0.95	2.6	1.5	1.4	5.3	2.4	2.2	0.70	0.71	2.7
9	0.17	2.1	e0.90	2.5	1.4	1.5	4.7	2.1	1.8	0.83	0.73	2.2
10	0.17	2.1	e0.82	2.2	1.3	e1.3	5.0	1.9	1.4	0.64	0.75	1.8
11	0.51	2.0	0.95	2.1	1.2	e1.3	5.8	2.3	1.8	4.0	0.77	1.5
12	6.0	2.3	1.4	1.9	1.2	1.3	6.5	3.8	1.7	1.3	0.77	1.3
13	3.4	2.9	1.5	e2.2	1.1	1.2	5.7	3.3	10	0.85	0.64	1.2
14	2.6	2.5	3.4	e2.0	0.95	1.2	5.0	3.1	37	0.66	0.54	1.2
15	2.0	2.2	3.3	e1.8	0.85	1.3	4.5	2.7	14	0.55	0.51	5.7
16	11	2.5	2.9	e1.7	e0.90	1.8	3.8	2.4	8.7	0.58	0.56	8.4
17	11	5.8	2.5	e1.8	0.88	4.6	3.2	2.2	5.9	0.48	0.51	4.5
18	6.7	5.1	e2.8	e1.6	e0.84	11	2.8	1.9	4.9	1.3	0.47	3.5
19	5.5	4.4	2.2	e1.4	0.68	12	2.5	1.6	3.8	0.87	0.42	3.3
20	4.5	4.3	4.5	e1.3	0.64	13	2.2	1.4	5.8	0.60	0.37	3.0
21	3.5	4.3	4.7	e1.2	0.62	25	2.1	1.7	10	1.1	0.34	2.4
22	2.9	5.2	4.1	e1.1	0.96	27	2.5	1.3	9.0	3.0	0.33	2.1
23	2.4	5.4	3.6	e1.0	2.8	18	2.5	1.1	6.7	2.1	0.31	13
24	2.1	4.6	3.2	e0.90	2.9	14	2.3	1.6	4.8	1.9	0.28	6.9
25	1.8	4.1	e3.8	e0.80	2.5	16	2.2	1.6	3.6	1.5	0.26	5.4
26	4.0	3.7	e3.4	0.76	e2.5	16	6.6	2.4	2.9	1.1	0.25	4.5
27	3.2	3.3	2.4	0.71	2.1	13	7.2	2.2	2.3	1.1	0.23	3.7
28	2.6	2.9	2.1	0.61	2.0	11	5.5	2.0	1.9	0.92	0.21	4.8
29	2.3	2.7	2.0	0.54	---	13	4.7	1.8	1.6	0.77	0.23	3.8
30	2.1	2.6	1.8	0.50	---	12	3.9	1.6	1.3	0.64	0.25	3.2
31	1.9	---	1.9	0.48	---	8.6	---	2.6	---	0.55	0.20	---
TOTAL	84.76	92.9	72.02	53.40	44.35	238.6	143.8	78.7	173.2	33.90	17.24	129.98
MEAN	2.73	3.10	2.32	1.72	1.58	7.70	4.79	2.54	5.77	1.09	0.56	4.33
MAX	11	5.8	4.7	3.4	5.4	27	7.5	5.8	37	4.0	1.4	13
MIN	0.17	1.4	0.82	0.48	0.46	1.2	2.1	1.1	1.3	0.48	0.20	0.88
CFSM	2.17	2.46	1.84	1.37	1.26	6.11	3.80	2.01	4.58	0.87	0.44	3.44
IN.	2.50	2.74	2.13	1.58	1.31	7.04	4.25	2.32	5.11	1.00	0.51	3.84

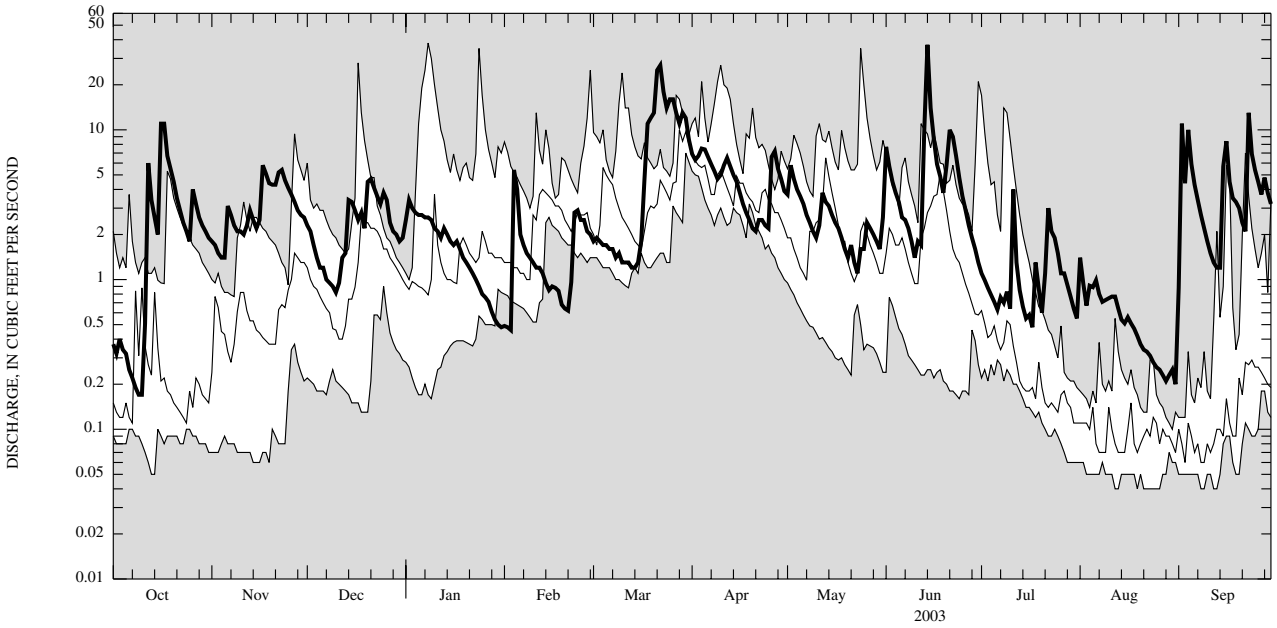
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	0.97	1.24	1.75	2.96	2.91	5.29	5.19	3.10	2.92	0.95	0.18	1.11
MAX	2.73	3.10	2.98	7.72	4.18	7.70	7.53	5.90	5.77	3.41	0.56	4.33
(WY)	(2003)	(2003)	(2001)	(1998)	(2002)	(2003)	(2001)	(2000)	(2003)	(1998)	(2003)	(2003)
MIN	0.099	0.15	0.52	0.73	1.58	2.44	3.55	0.45	0.32	0.19	0.071	0.12
(WY)	(2002)	(2002)	(1999)	(2001)	(2003)	(2001)	(2002)	(2001)	(1999)	(1999)	(1999)	(1998)

01424108 SHERRUCK BROOK TRIBUTARY NEAR TROUT CREEK, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	887.31		1,162.85			
ANNUAL MEAN	2.43		3.19		2.37	
HIGHEST ANNUAL MEAN					3.19	2003
LOWEST ANNUAL MEAN					1.60	1999
HIGHEST DAILY MEAN	17	Mar 27	37	Jun 14	38	Jan 8, 1998
LOWEST DAILY MEAN	0.04	Aug 12	0.17	Oct 9	0.04	Sep 8, 1999
ANNUAL SEVEN-DAY MINIMUM	0.04	Aug 17	0.23	Aug 25	0.04	Aug 20, 2001
ANNUAL RUNOFF (CFSM)	1.93		2.53		1.88	
ANNUAL RUNOFF (INCHES)	26.20		34.33		25.61	
10 PERCENT EXCEEDS	5.8		6.6		5.9	
50 PERCENT EXCEEDS	2.0		2.1		1.1	
90 PERCENT EXCEEDS	0.08		0.55		0.10	

e Estimated



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

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, 9,610 ft^3/s, Mar. 22, gage height, 11.43 ft; minimum recorded discharge, 49 ft^3/s, Oct. 31, Nov. 1, 3, 4, 5, but may have been less during period of estimated daily discharge; minimum gage height, 4.29 ft, Oct. 31, Nov. 1, 5..

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e130	49	56	58	356	551	2,860	1,250	682	368	291	253
2	e220	50	56	67	361	471	2,510	1,280	935	299	243	272
3	503	49	56	63	354	417	2,330	1,480	1,010	296	200	602
4	389	49	56	61	400	338	2,230	1,380	1,010	296	204	1,360
5	414	52	56	59	508	309	2,300	1,230	974	296	179	1,760
6	522	68	56	59	544	307	2,450	1,100	933	296	159	2,180
7	469	51	56	58	440	286	2,340	968	904	374	138	2,040
8	560	50	56	58	366	292	2,160	842	897	434	106	1,900
9	617	50	56	59	401	308	1,970	730	845	374	228	1,690
10	600	51	63	58	446	297	1,800	615	769	278	289	1,530
11	371	51	133	58	471	266	1,540	522	725	148	306	1,060
12	e90	52	143	58	467	265	1,420	556	766	69	538	790
13	e60	53	129	57	428	270	1,300	645	773	67	848	609
14	e54	52	98	58	300	263	1,190	808	1,410	190	910	567
15	e50	52	65	57	216	248	1,200	877	1,920	217	781	700
16	e50	54	57	63	168	264	1,190	882	1,820	299	532	989
17	e50	57	56	143	228	470	1,130	847	1,600	314	423	1,100
18	e50	58	55	246	280	1,380	1,050	810	1,420	370	434	962
19	e52	57	69	296	307	2,750	980	755	1,290	510	431	707
20	e50	56	77	356	329	3,430	902	688	1,190	293	368	471
21	e50	56	63	390	340	6,130	834	665	1,380	295	300	366
22	e54	56	62	406	366	9,270	815	587	1,610	183	258	366
23	e54	56	63	406	486	8,860	812	424	1,730	139	241	340
24	e54	56	62	392	775	6,760	782	437	1,590	108	241	1,560
25	e54	56	63	378	918	5,150	727	479	1,370	120	249	1,580
26	e52	56	65	393	907	4,440	795	513	1,280	268	244	1,410
27	e56	56	62	405	845	4,070	1,270	547	1,120	323	484	1,260
28	e50	56	58	385	687	3,450	1,450	544	747	292	527	1,510
29	e50	56	58	372	---	3,020	1,440	520	588	291	400	1,710
30	50	56	58	369	---	3,230	1,360	493	468	316	484	1,670
31	49	---	59	359	---	3,210	---	500	---	320	323	---
TOTAL	5,874	1,621	2,122	6,247	12,694	70,772	45,137	23,974	33,756	8,443	11,359	33,314
MEAN	189	54.0	68.5	202	453	2,283	1,505	773	1,125	272	366	1,110
MAX	617	68	143	406	918	9,270	2,860	1,480	1,920	510	910	2,180
MIN	49	49	55	57	168	248	727	424	468	67	106	253

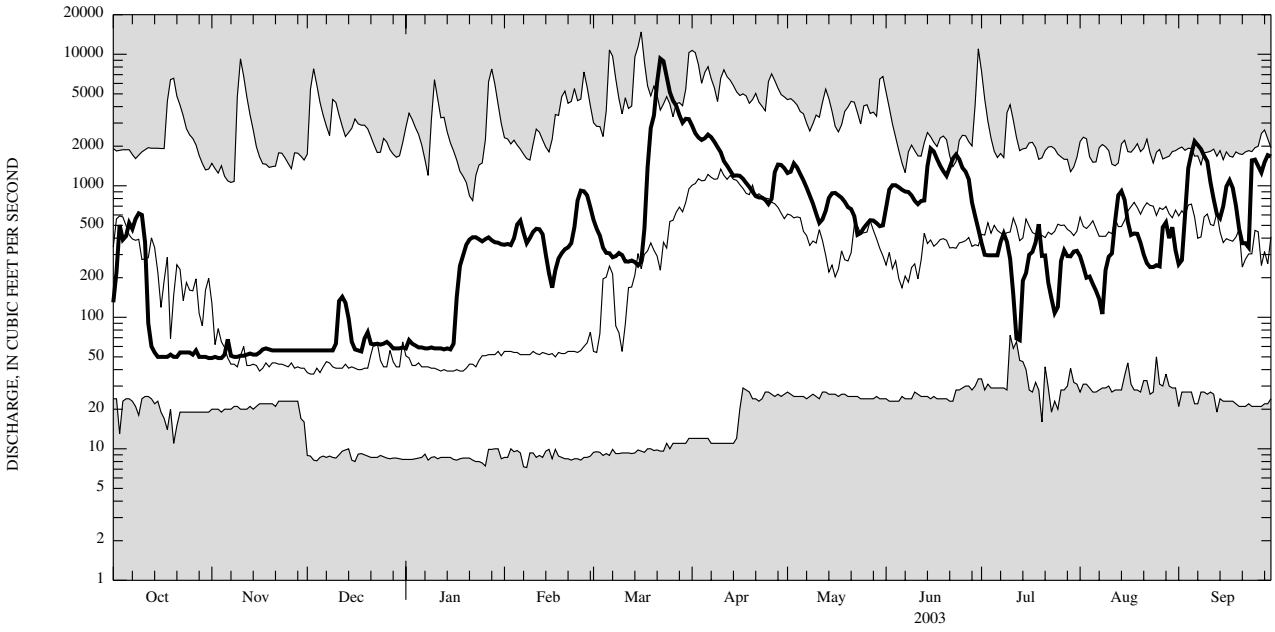
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	504	275	320	302	396	828	1,240	704	524	616	630	558
MAX	1,593	1,971	2,644	1,910	2,309	2,879	4,389	1,883	1,593	1,646	1,675	1,606
(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)

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	80,432.7		255,313			
ANNUAL MEAN	220		699		575	
HIGHEST ANNUAL MEAN					1,049	1997
LOWEST ANNUAL MEAN					87.3	1965
HIGHEST DAILY MEAN	1,290	Aug 16	9,270	Mar 22	14,800	Mar 16, 1986
LOWEST DAILY MEAN	8.3	Jan 1	49	Oct 31	7.2	Feb 8, 1966
ANNUAL SEVEN-DAY MINIMUM	8.5	Jan 1	49	Oct 29	8.1	Jan 20, 1966
10 PERCENT EXCEEDS	766		1,580		1,430	
50 PERCENT EXCEEDS	52		371		315	
90 PERCENT EXCEEDS	10		56		22	

e Estimated



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. Interruptions of record were due to malfunction of recording instrument.

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, 1998-2003), 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 recorded, 22.0°C, June 26, but may have been higher during periods of instrument malfunction; minimum, 0.0°C, Dec. 25, Jan. 17, 19, Feb. 15, Mar. 3.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.0	14.5	16.0	9.5	7.5	9.0	5.0	3.0	4.0	4.0	3.0	3.5
2	17.5	15.0	16.0	9.0	7.5	8.0	5.5	4.0	4.5	3.5	2.0	2.5
3	16.5	15.5	16.0	9.5	8.0	8.5	4.5	2.5	3.0	2.0	1.0	1.5
4	16.5	15.5	16.0	9.0	8.0	8.5	5.0	3.0	4.0	3.0	1.0	2.0
5	17.0	15.5	16.0	10.5	8.0	9.0	4.0	3.5	4.0	3.5	2.0	3.0
6	18.0	15.0	16.5	9.0	8.0	8.5	5.5	3.5	4.5	3.5	2.5	3.0
7	17.0	15.0	16.0	9.0	7.0	7.5	5.5	2.5	3.5	3.0	1.5	2.0
8	18.0	15.0	16.5	11.0	7.0	8.5	5.0	2.5	4.0	3.5	2.0	2.5
9	17.0	15.5	16.5	10.5	7.5	9.0	5.0	2.5	3.0	3.5	3.0	3.0
10	17.0	16.5	16.5	11.0	8.5	9.5	4.5	2.0	3.0	3.5	1.5	2.5
11	17.0	16.0	16.5	11.0	8.5	10.0	3.5	3.0	3.5	2.5	0.5	1.5
12	16.5	15.5	16.0	9.0	8.5	9.0	4.5	3.5	4.0	3.0	1.5	2.0
13	16.5	15.5	16.0	8.5	8.0	8.5	5.0	4.5	4.5	3.0	0.5	1.5
14	15.5	13.5	14.5	10.0	7.0	8.0	5.0	4.0	4.5	2.5	1.0	1.5
15	15.0	12.0	13.5	10.0	7.5	8.5	5.0	4.0	4.5	2.5	1.0	1.5
16	14.0	12.5	13.5	8.0	7.5	7.5	4.5	2.0	3.5	2.5	0.5	1.5
17	13.5	12.5	13.0	8.0	7.5	7.5	4.5	2.0	3.0	0.5	0.0	0.5
18	15.0	12.5	13.5	7.5	5.5	6.5	4.5	1.5	2.5	0.5	0.0	0.5
19	13.0	11.5	12.0	7.5	6.5	7.0	5.0	2.5	3.5	0.5	0.5	0.5
20	12.0	10.5	11.5	9.5	7.0	7.5	5.0	3.0	4.0	1.0	0.5	0.5
21	12.0	10.5	11.0	8.0	7.0	7.5	4.0	3.5	3.5	1.0	0.5	0.5
22	12.5	9.5	11.0	8.5	7.0	8.0	5.0	3.0	4.0	1.0	0.5	0.5
23	11.5	10.0	10.5	7.0	5.0	5.5	4.0	3.0	3.5	1.0	0.5	0.5
24	11.5	9.0	10.0	7.0	5.5	6.5	4.0	2.5	3.0	1.0	0.5	1.0
25	10.5	9.0	10.0	7.0	6.0	6.5	3.5	0.0	2.0	1.5	1.0	1.0
26	10.5	9.5	10.0	7.0	5.5	6.5	2.5	0.5	1.5	1.5	1.0	1.5
27	10.5	10.0	10.0	6.5	5.0	5.5	3.0	2.0	3.0	1.0	0.5	1.0
28	10.5	9.0	9.5	6.5	4.5	5.5	4.0	2.0	3.0	1.5	0.5	1.0
29	10.0	8.0	9.0	5.5	5.0	5.0	4.0	3.0	3.5	2.0	1.0	1.5
30	10.0	8.5	9.5	6.5	5.0	6.0	4.5	3.0	3.5	2.5	0.5	1.5
31	11.5	7.5	9.0	---	---	---	5.5	3.0	4.0	2.0	0.5	1.5
MONTH	18.0	7.5	13.3	11.0	4.5	7.6	5.5	0.0	3.5	4.0	0.0	1.6

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.0	1.5	2.0	2.5	1.5	2.0	3.0	2.5	2.5	10.0	6.5	8.0
2	2.0	1.5	1.5	2.0	1.5	2.0	3.5	3.0	3.0	10.0	6.5	8.5
3	2.5	1.5	2.0	1.5	0.0	1.0	3.0	3.0	3.0	11.0	9.0	10.0
4	2.0	1.5	2.0	2.5	0.5	1.5	3.0	3.0	3.0	11.5	9.5	10.0
5	1.5	1.0	1.0	2.5	1.5	2.0	3.0	2.5	3.0	10.0	9.0	9.5
6	2.0	1.0	1.5	1.5	1.0	1.5	3.5	2.5	3.0	11.0	9.5	10.0
7	2.0	1.0	1.5	2.5	0.5	1.0	3.0	2.5	3.0	12.0	10.0	11.0
8	2.5	0.5	1.0	3.5	1.0	2.0	3.0	3.0	3.0	12.0	10.5	11.0
9	2.0	1.0	1.5	3.0	0.5	2.0	3.0	3.0	3.0	12.5	11.0	11.5
10	2.0	1.0	1.5	2.0	0.5	1.0	4.0	3.0	3.5	14.0	11.5	12.5
11	2.0	0.5	1.0	3.0	0.5	1.5	3.5	3.0	3.0	14.0	13.0	13.5
12	1.5	1.0	1.0	3.5	1.5	2.0	4.5	3.0	3.5	14.0	8.5	12.0
13	1.5	0.5	1.0	2.5	1.0	2.0	4.5	3.0	3.5	9.0	5.5	7.5
14	2.0	0.5	1.0	3.5	1.0	2.0	5.0	3.0	4.0	10.0	8.0	9.0
15	1.5	0.0	1.0	5.0	1.5	2.5	5.5	3.5	4.5	12.0	10.0	11.0
16	1.0	0.5	0.5	5.0	1.5	3.0	5.5	4.0	4.5	13.0	11.5	12.0
17	0.5	0.5	0.5	4.5	2.0	3.0	4.5	3.5	4.0	13.0	11.0	12.0
18	1.5	0.5	1.0	3.0	2.0	2.5	4.0	3.5	4.0	15.0	11.0	12.5
19	3.0	1.0	2.0	3.0	2.0	2.5	5.5	4.0	4.5	16.0	11.5	13.5
20	3.5	1.5	2.0	2.5	2.5	2.5	6.0	4.0	5.0	16.5	12.5	14.0
21	3.0	1.0	2.0	3.0	2.5	2.5	5.0	4.0	4.5	14.5	12.5	13.5
22	2.5	1.5	2.0	2.5	2.5	2.5	5.5	5.0	5.0	14.5	12.5	13.5
23	2.0	1.0	1.5	2.5	2.5	2.5	5.0	4.0	4.5	14.0	12.5	13.5
24	2.0	1.0	1.5	3.0	2.5	2.5	6.0	4.0	4.5	14.0	13.0	13.5
25	2.0	1.0	1.5	3.0	2.5	2.5	7.0	4.5	5.5	16.0	13.0	14.5
26	2.5	1.0	1.5	2.5	2.5	2.5	7.0	5.5	6.0	14.5	13.5	14.0
27	2.5	1.0	1.5	3.0	2.5	3.0	7.5	6.0	6.5	16.0	14.0	15.0
28	2.5	1.5	2.0	3.5	2.5	3.0	7.5	6.0	6.5	16.0	14.5	15.0
29	---	---	---	3.5	3.0	3.0	7.0	5.0	6.5	15.5	14.0	14.5
30	---	---	---	3.0	2.5	2.5	7.5	6.0	6.5	15.5	14.0	14.5
31	---	---	---	3.0	2.5	3.0	---	---	---	15.5	14.5	15.0
MONTH	3.5	0.0	1.4	5.0	0.0	2.2	7.5	2.5	4.2	16.5	5.5	12.1
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.0	15.0	15.5	---	---	---	---	---	---	---	---	---
2	16.0	14.5	15.0	---	---	---	---	---	---	---	---	---
3	15.0	13.5	14.5	---	---	---	---	---	---	---	---	---
4	16.0	14.5	15.5	---	---	---	---	---	---	---	---	---
5	16.0	15.0	15.5	---	---	---	---	---	---	---	---	---
6	16.5	14.0	15.5	---	---	---	---	---	---	---	---	---
7	16.5	15.5	16.0	---	---	---	---	---	---	---	---	---
8	17.0	16.0	16.5	---	---	---	---	---	---	---	---	---
9	17.0	14.0	16.0	---	---	---	---	---	---	---	---	---
10	17.0	14.0	16.0	---	---	---	---	---	---	---	---	---
11	17.0	16.0	16.5	---	---	---	---	---	---	17.0	15.5	16.5
12	18.0	14.5	17.0	---	---	---	---	---	---	---	---	---
13	18.0	17.5	17.5	---	---	---	---	---	---	---	---	---
14	18.5	17.5	18.0	---	---	---	---	---	---	---	---	---
15	19.0	16.0	17.5	---	---	---	---	---	---	---	---	---
16	19.5	17.0	18.5	---	---	---	---	---	---	---	---	---
17	19.5	18.0	18.5	---	---	---	---	---	---	---	---	---
18	18.5	17.5	18.0	---	---	---	---	---	---	---	---	---
19	20.0	18.0	19.0	---	---	---	---	---	---	---	---	---
20	19.5	18.5	19.0	---	---	---	12.5	9.5	10.5	---	---	---
21	19.0	18.5	19.0	---	---	---	12.0	8.7	9.9	---	---	---
22	19.0	18.5	18.5	---	---	---	8.7	---	---	---	---	---
23	19.5	18.0	18.5	---	---	---	---	---	---	---	---	---
24	20.0	18.0	19.0	---	---	---	---	---	---	---	---	---
25	20.5	18.5	19.5	---	---	---	---	---	---	---	---	---
26	22.0	16.5	19.5	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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, about 12,000 ft^3/s, Mar. 22, gage height, 11.1 ft, from floodmark in gage well; minimum discharge, 142 ft^3/s, Nov. 5, gage height, 1.92 ft; minimum gage height, 1.88 ft, July 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	181	270	325	e500	e670	3,470	1,690	1,810	521	483	373
2	242	171	230	1,060	e430	e560	3,110	2,050	1,820	431	520	2,670
3	551	164	215	633	e420	e480	2,980	2,110	1,630	410	364	1,410
4	468	154	234	515	e520	e380	2,900	1,920	1,550	405	707	3,480
5	448	147	e220	403	e700	e370	3,040	1,710	1,420	411	550	2,810
6	549	245	e195	354	e660	e365	3,120	1,550	1,330	399	476	2,800
7	515	231	e200	318	e540	e335	2,920	1,360	1,290	452	429	2,460
8	576	196	e205	306	e450	e355	2,690	1,200	1,270	559	332	2,060
9	697	184	e180	288	e495	e350	2,470	1,070	1,160	505	403	1,920
10	632	179	e280	274	e480	e345	2,330	912	1,040	411	505	1,770
11	545	173	e330	254	e580	e320	2,120	830	1,050	645	518	1,320
12	1,010	188	e375	253	e595	e290	2,040	1,050	1,100	305	731	983
13	566	329	e280	230	e470	e280	1,880	1,060	1,260	204	1,020	777
14	402	269	e335	236	e400	e270	1,710	1,200	3,500	302	1,070	734
15	297	245	e330	226	e320	e300	1,660	1,240	2,750	321	964	1,070
16	1,130	265	e300	229	e270	e340	1,600	1,210	2,340	440	699	1,650
17	1,710	673	e245	e290	e335	1,110	1,510	1,130	1,970	449	599	1,500
18	920	726	e230	e360	e380	2,630	1,390	1,060	1,760	474	567	1,240
19	592	578	340	e410	e400	4,030	1,300	979	1,570	643	563	1,080
20	445	505	503	e490	e435	4,630	1,190	896	1,720	428	498	847
21	343	490	563	e640	e450	e8,000	1,100	876	2,960	470	405	607
22	280	577	424	e640	e465	e10,500	1,130	805	2,820	735	354	582
23	236	815	377	e560	e620	e10,000	1,130	625	2,530	513	322	2,460
24	204	602	318	e510	e840	8,000	1,100	634	2,130	384	316	2,600
25	182	505	270	e490	e1,050	6,390	1,030	695	1,770	341	322	2,250
26	360	413	480	e510	e1,100	5,780	1,470	761	1,510	425	311	1,900
27	321	367	427	e540	e960	5,090	2,080	791	1,380	502	518	1,670
28	271	319	313	e580	e800	4,260	2,090	773	913	467	570	1,870
29	242	288	249	e600	---	3,900	1,960	740	754	436	698	2,150
30	215	274	212	e620	---	4,210	1,810	695	631	445	562	2,060
31	195	---	213	e590	---	3,940	---	738	---	440	426	---
TOTAL	15,310	10,453	9,343	13,734	15,665	88,480	60,330	34,360	50,738	13,873	16,802	51,103
MEAN	494	348	301	443	559	2,854	2,011	1,108	1,691	448	542	1,703
MAX	1,710	815	563	1,060	1,100	10,500	3,470	2,110	3,500	735	1,070	3,480
MIN	166	147	180	226	270	270	1,030	625	631	204	311	373

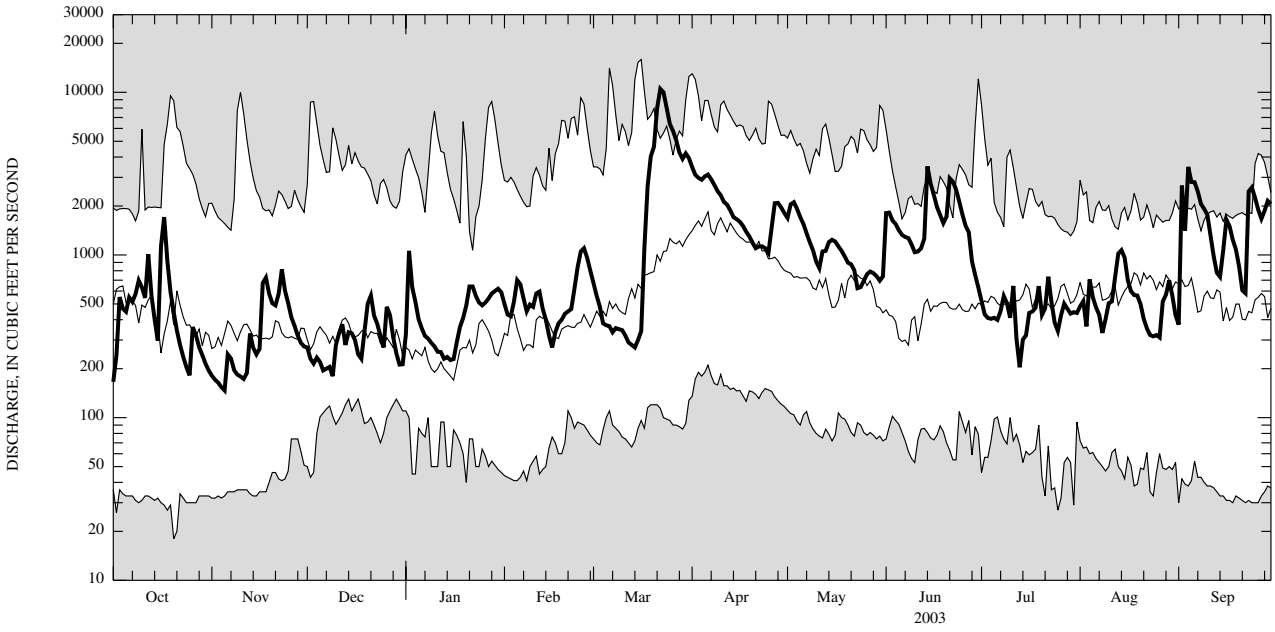
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	642	528	598	544	671	1,283	1,710	976	668	683	676	642
MAX	2,123	2,346	3,164	2,494	3,107	3,617	5,167	2,322	1,899	1,456	1,698	1,703
(WY)	(1976)	(1997)	(1997)	(1978)	(1976)	(1986)	(1993)	(1996)	(1968)	(1971)	(1968)	(2003)
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)

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	165,420		380,191			
ANNUAL MEAN	453		1,042		802	
HIGHEST ANNUAL MEAN					1,411	1978
LOWEST ANNUAL MEAN					204	1965
HIGHEST DAILY MEAN	1,950	Mar 27	10,500	Mar 22	15,900	Mar 16, 1986
LOWEST DAILY MEAN	90	Jan 19	147	Nov 5	18	Oct 20, 1963
ANNUAL SEVEN-DAY MINIMUM	128	Mar 9	175	Oct 30	26	Oct 15, 1963
10 PERCENT EXCEEDS	922		2,330		1,790	
50 PERCENT EXCEEDS	353		563		480	
90 PERCENT EXCEEDS	165		245		125	

e Estimated



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, 1998-2003), 30.5°C, July 22, 23, 1972, June 16, 1981; minimum (water years 1968, 1978-2003), 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 23.5°C, June 26; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.5	14.5	17.5	6.5	5.0	6.0	3.5	1.0	2.0	3.5	2.5	3.0
2	20.5	16.5	18.5	5.5	4.0	4.5	2.5	0.5	1.0	2.5	1.0	1.5
3	18.5	16.0	17.0	5.5	4.5	5.0	1.0	0.0	0.0	1.5	0.0	0.5
4	16.0	15.0	15.5	5.5	4.5	5.0	0.5	0.0	0.0	1.5	0.0	0.5
5	18.5	15.5	16.5	7.5	5.0	6.0	0.0	0.0	0.0	2.0	1.0	1.5
6	18.5	14.0	16.0	6.5	5.5	6.0	0.5	0.0	0.0	2.0	1.0	1.5
7	17.5	14.5	16.0	7.0	4.5	5.5	0.5	0.0	0.0	1.5	0.0	0.5
8	17.5	13.0	15.5	8.0	3.5	5.5	0.0	0.0	0.0	2.0	0.0	1.0
9	17.0	14.0	15.5	8.0	5.0	6.5	0.0	0.0	0.0	2.5	2.0	2.5
10	16.5	15.5	16.0	11.0	7.0	9.0	1.0	0.0	0.0	3.0	0.5	2.0
11	16.0	15.5	16.0	12.5	10.5	12.0	0.0	0.0	0.0	0.5	0.0	0.0
12	15.5	13.5	14.5	10.5	8.5	9.5	1.0	0.0	0.5	0.5	0.0	0.0
13	14.5	13.0	14.0	9.0	7.0	8.0	2.5	1.0	2.0	0.0	0.0	0.0
14	13.0	10.5	12.0	8.5	6.0	7.0	3.0	2.0	2.5	0.0	0.0	0.0
15	11.5	8.5	10.5	9.0	6.5	8.0	3.0	2.5	2.5	0.0	0.0	0.0
16	10.5	10.0	10.5	8.0	6.0	6.5	3.0	0.5	2.0	0.0	0.0	0.0
17	11.0	10.0	10.5	6.5	6.0	6.0	1.5	0.0	0.5	0.0	0.0	0.0
18	12.0	9.5	10.5	6.0	4.5	4.5	0.5	0.0	0.0	0.0	0.0	0.0
19	10.0	9.0	9.5	4.5	4.0	4.5	1.5	0.0	0.5	0.0	0.0	0.0
20	11.0	8.5	9.5	7.0	4.5	5.5	3.5	1.5	3.0	0.5	0.0	0.0
21	10.5	8.0	9.0	6.0	5.0	5.5	3.0	2.0	2.5	1.0	0.0	0.0
22	10.0	6.5	8.5	7.0	6.0	6.5	3.5	1.5	2.5	0.5	0.0	0.5
23	9.5	7.5	9.0	6.0	4.0	4.5	3.0	2.0	2.5	1.5	0.0	0.5
24	9.5	6.0	8.0	5.0	3.5	4.5	2.5	1.0	2.0	1.0	0.0	0.5
25	8.5	6.5	7.5	5.0	4.5	4.5	2.0	0.0	0.5	1.0	0.0	0.5
26	8.5	7.0	8.0	5.0	4.0	4.5	0.0	0.0	0.0	1.0	0.0	0.5
27	9.5	8.0	8.5	4.0	2.5	3.5	0.0	0.0	0.0	0.5	0.0	0.5
28	8.5	7.0	8.0	2.5	1.0	2.0	1.0	0.0	0.0	0.5	0.0	0.0
29	7.0	5.5	6.5	2.5	1.5	2.0	0.5	0.0	0.0	0.5	0.0	0.0
30	6.5	5.5	6.0	4.0	2.5	3.5	1.5	0.0	0.5	0.5	0.0	0.0
31	8.0	4.0	6.0	---	---	---	4.0	1.0	2.5	0.0	0.0	0.0
MONTH	20.5	4.0	11.8	12.5	1.0	5.7	4.0	0.0	1.0	3.5	0.0	0.6

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.5	0.0	0.5	3.0	1.5	2.0	2.5	2.0	2.5	13.0	8.0	10.0
2	1.5	1.0	1.0	2.5	1.5	2.0	4.5	2.5	3.5	11.0	8.5	9.5
3	3.0	1.0	2.0	2.0	0.0	0.5	3.5	3.0	3.5	13.0	9.0	11.0
4	2.0	1.0	1.5	3.0	0.0	1.0	3.5	3.0	3.0	13.5	9.0	11.0
5	1.0	0.0	0.5	3.0	1.0	2.0	3.0	2.0	2.5	10.5	9.0	9.5
6	2.0	0.0	0.5	2.0	0.0	1.0	4.5	2.0	3.0	11.0	9.0	9.5
7	2.0	0.0	1.0	3.0	0.0	1.0	3.0	2.0	2.5	13.5	9.5	11.5
8	2.0	0.0	0.5	5.0	0.5	2.5	3.5	2.5	3.0	12.0	11.0	11.5
9	2.5	0.0	1.0	4.0	0.0	2.5	3.5	3.0	3.5	14.5	10.5	12.0
10	1.5	0.5	1.0	2.0	0.0	0.5	6.0	3.0	4.5	14.5	10.5	12.5
11	2.0	0.0	0.5	3.0	0.0	1.0	4.5	3.0	3.5	14.0	12.5	13.5
12	2.0	0.0	0.5	4.5	0.5	2.5	7.5	3.5	5.0	14.0	10.5	12.5
13	1.0	0.0	0.5	3.0	0.5	2.0	7.5	3.5	5.0	10.5	7.0	9.0
14	1.5	0.0	0.5	5.0	0.0	2.0	8.0	3.0	5.0	10.0	8.0	9.0
15	0.5	0.0	0.0	7.5	1.0	4.0	9.0	4.0	6.0	13.5	9.0	11.0
16	1.0	0.0	0.0	8.0	1.5	4.0	9.0	4.5	6.5	13.5	11.0	12.0
17	0.5	0.0	0.0	6.5	1.5	3.0	5.5	4.0	4.5	15.5	10.5	12.5
18	0.0	0.0	0.0	3.5	1.5	2.0	5.0	3.5	4.0	16.5	10.5	13.0
19	2.5	0.0	0.5	4.0	1.5	2.5	8.5	4.0	6.0	17.5	10.5	14.0
20	5.0	0.5	2.0	2.5	2.0	2.5	9.0	4.5	6.5	17.5	11.5	14.5
21	4.0	0.0	2.0	4.0	2.0	3.0	6.5	4.5	6.0	13.5	12.0	13.0
22	2.5	2.0	2.5	4.0	2.5	3.0	7.0	5.5	6.0	15.0	11.5	13.5
23	2.0	0.0	1.5	3.0	2.5	3.0	6.0	4.0	5.0	14.5	12.0	13.0
24	1.5	0.0	0.5	4.0	2.5	3.0	9.0	3.5	6.0	13.5	12.5	13.0
25	2.5	0.0	1.0	4.5	2.5	3.5	10.5	4.0	7.0	17.0	12.5	14.5
26	2.5	0.0	1.0	3.5	3.0	3.0	8.0	6.5	7.0	14.5	13.0	13.5
27	2.5	0.5	1.5	4.5	3.0	3.5	10.5	7.0	8.5	18.0	13.0	15.0
28	3.0	1.0	2.0	5.0	2.5	3.5	10.5	6.5	8.0	17.5	14.5	15.5
29	---	---	---	4.5	4.0	4.0	10.0	6.0	8.0	17.5	14.0	15.5
30	---	---	---	4.0	2.5	3.0	9.5	6.0	7.5	18.5	13.5	15.5
31	---	---	---	4.5	2.0	3.0	---	---	---	15.0	13.5	14.5
MONTH	5.0	0.0	0.9	8.0	0.0	2.5	10.5	2.0	5.1	18.5	7.0	12.4
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.5	12.5	13.5	18.5	11.5	14.5	12.5	9.5	10.5	11.0	8.5	9.0
2	16.0	12.0	14.0	17.5	10.5	14.0	18.0	10.5	14.5	15.0	9.5	14.0
3	14.5	12.5	13.5	17.5	9.5	13.5	18.5	13.0	16.0	14.0	9.5	12.5
4	15.0	13.5	14.0	17.5	10.0	13.5	19.0	14.0	16.5	16.0	9.0	12.5
5	16.0	14.0	15.0	18.0	10.5	13.5	18.5	15.0	16.5	20.0	16.0	18.5
6	17.5	14.0	15.5	17.5	10.0	13.5	18.5	15.0	16.5	21.0	18.5	20.0
7	15.0	14.5	15.0	14.0	9.0	11.5	18.0	15.0	16.5	21.5	19.0	20.0
8	17.0	14.5	15.5	15.5	9.0	11.5	21.5	16.0	19.0	21.5	19.5	20.5
9	18.0	14.5	16.5	11.0	8.0	9.5	20.0	13.0	16.5	21.5	15.5	19.0
10	19.0	13.5	16.0	15.0	8.5	11.5	16.0	11.5	13.5	17.5	14.5	15.5
11	17.5	15.5	16.0	17.5	11.5	14.5	14.0	11.0	12.0	18.0	13.5	15.5
12	18.0	15.5	16.5	20.5	14.0	17.0	13.0	9.0	11.0	17.5	15.0	16.0
13	17.0	16.5	16.5	21.5	15.5	18.0	13.5	8.0	10.5	17.0	15.5	16.0
14	18.0	15.5	17.0	19.5	14.5	17.0	14.0	9.0	11.0	19.0	16.0	17.5
15	18.5	15.5	17.0	19.0	12.5	16.0	14.5	9.0	11.0	17.5	16.0	16.5
16	19.5	16.0	17.5	17.0	11.5	14.5	13.0	9.5	11.0	18.5	13.5	16.5
17	20.0	17.0	18.0	17.5	9.5	13.0	14.0	9.5	11.5	15.5	12.5	13.5
18	17.5	16.5	17.0	13.5	9.5	10.5	16.5	10.5	13.0	14.0	11.5	12.5
19	20.0	17.0	18.0	14.0	7.5	10.5	18.0	12.0	14.5	14.0	11.5	13.0
20	18.0	16.0	17.5	15.5	7.5	11.5	17.5	11.0	14.0	15.5	11.5	13.5
21	17.5	15.5	16.5	14.0	8.5	11.5	17.5	12.0	15.0	17.0	12.0	14.5
22	17.5	16.0	17.0	17.0	14.0	15.5	16.5	12.5	14.0	14.5	12.5	13.5
23	20.0	16.5	18.0	18.5	14.0	16.0	17.0	10.0	13.5	17.0	14.0	15.5
24	21.0	17.0	19.0	20.0	16.0	17.5	16.5	8.5	12.5	18.0	15.5	16.5
25	21.5	17.5	19.5	22.5	15.5	18.5	15.0	10.0	12.5	17.5	16.0	16.5
26	23.5	15.5	20.0	19.5	12.5	16.5	15.0	10.0	12.5	19.0	16.5	17.5
27	18.0	14.5	16.0	12.5	10.0	11.5	13.5	9.0	11.0	20.0	17.5	18.5
28	20.0	15.0	17.0	17.5	10.0	13.5	14.0	7.0	10.0	18.5	17.5	17.5
29	19.0	14.0	16.5	16.5	9.5	13.0	11.5	6.5	8.5	18.5	16.5	17.5
30	17.5	13.5	15.5	16.5	9.5	13.0	10.5	7.5	9.0	18.0	16.0	17.0
31	---	---	---	16.0	9.0	12.5	14.5	6.5	10.0	---	---	---
MONTH	23.5	12.0	16.5	22.5	7.5	13.8	21.5	6.5	13.0	21.5	8.5	15.9
YEAR	23.5	0.0	8.3									

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. Interruption of record was due to malfunction of recording instrument.

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, 22.5°C, June 26, July 25, 26; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.5	14.5	17.0	6.5	5.0	6.0	3.0	0.5	2.0	2.5	1.5	2.0
2	21.0	17.0	18.5	5.5	4.5	5.0	2.0	0.5	1.0	2.0	1.0	1.5
3	18.0	16.5	17.5	6.0	4.5	5.0	1.0	0.0	0.0	1.5	0.0	0.5
4	16.5	15.0	15.5	5.5	4.5	5.0	0.0	0.0	0.0	1.0	0.0	0.5
5	18.0	15.5	16.5	7.0	4.5	5.5	0.0	0.0	0.0	2.0	1.0	1.5
6	17.0	14.0	15.5	6.5	5.5	6.0	0.5	0.0	0.0	2.0	1.0	1.5
7	17.0	14.5	15.5	6.5	4.0	5.5	0.5	0.0	0.0	1.5	0.0	0.5
8	15.5	13.0	14.5	7.0	3.5	5.0	0.0	0.0	0.0	1.5	0.0	0.5
9	15.5	13.5	14.5	7.5	4.5	6.0	0.0	0.0	0.0	2.5	1.5	2.0
10	15.5	15.0	15.0	9.5	6.5	8.0	0.0	0.0	0.0	2.5	0.5	1.5
11	15.0	13.5	14.5	11.0	9.0	10.0	0.0	0.0	0.0	0.5	0.0	0.0
12	14.0	13.0	13.5	9.0	8.0	8.5	0.0	0.0	0.0	0.5	0.0	0.0
13	13.5	12.5	13.5	8.0	7.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
14	12.5	10.0	11.5	8.0	6.0	7.0	1.0	0.0	0.5	0.0	0.0	0.0
15	11.0	9.0	10.0	8.5	6.5	7.5	1.0	0.5	1.0	0.0	0.0	0.0
16	10.5	10.0	10.5	7.5	6.0	6.5	1.5	0.5	1.0	0.0	0.0	0.0
17	10.5	10.0	10.5	6.5	6.0	6.0	0.5	0.0	0.0	0.0	0.0	0.0
18	11.5	9.5	10.0	6.0	4.5	5.0	0.0	0.0	0.0	0.5	0.0	0.0
19	10.0	9.5	9.5	5.0	4.5	4.5	1.0	0.0	0.0	0.5	0.0	0.0
20	10.5	8.5	9.5	6.0	4.5	5.0	2.5	1.0	2.0	0.0	0.0	0.0
21	10.0	8.0	9.0	5.5	4.5	5.0	2.5	2.0	2.5	0.0	0.0	0.0
22	9.5	7.0	8.5	6.5	5.5	6.0	3.0	2.0	2.5	0.0	0.0	0.0
23	10.0	7.0	8.5	6.0	4.0	4.5	3.0	2.0	2.5	0.0	0.0	0.0
24	9.0	6.0	7.5	5.0	3.5	4.5	2.0	1.5	2.0	0.0	0.0	0.0
25	8.0	6.5	7.5	5.0	4.0	4.5	2.0	0.0	0.5	0.0	0.0	0.0
26	8.5	7.5	8.0	4.5	4.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
27	9.5	8.0	8.5	4.0	2.5	3.5	0.5	0.0	0.5	0.0	0.0	0.0
28	8.5	7.0	8.0	2.5	1.5	2.0	1.0	0.0	0.5	0.0	0.0	0.0
29	7.0	5.5	6.5	2.5	2.0	2.0	1.5	0.5	1.0	0.0	0.0	0.0
30	7.0	5.5	6.5	4.0	2.0	3.0	1.5	0.5	1.0	0.0	0.0	0.0
31	7.5	4.0	6.0	---	---	---	2.0	1.0	1.5	0.0	0.0	0.0
MONTH	21.0	4.0	11.5	11.0	1.5	5.5	3.0	0.0	0.7	2.5	0.0	0.4

01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	1.5	0.5	1.0	3.0	2.0	2.5	13.5	7.5	10.5
2	0.0	0.0	0.0	2.0	1.5	1.5	5.0	2.5	3.5	12.5	9.5	11.0
3	0.0	0.0	0.0	1.5	0.0	0.5	4.0	3.5	4.0	13.5	9.0	11.0
4	0.0	0.0	0.0	1.0	0.0	0.5	4.0	3.0	3.5	13.5	9.0	11.5
5	0.0	0.0	0.0	2.0	0.5	1.5	3.0	2.0	2.5	11.5	9.0	10.0
6	0.0	0.0	0.0	2.0	0.0	1.0	5.0	2.0	3.5	10.5	8.5	9.5
7	0.0	0.0	0.0	1.0	0.0	0.5	3.5	2.0	3.0	13.5	9.5	11.5
8	0.0	0.0	0.0	3.0	0.0	1.5	3.5	2.0	3.0	13.0	11.5	12.0
9	0.0	0.0	0.0	3.0	0.5	2.5	4.0	3.0	3.5	14.5	11.0	12.5
10	0.0	0.0	0.0	0.5	0.0	0.5	7.0	3.5	5.0	14.5	10.5	13.0
11	0.0	0.0	0.0	1.0	0.0	0.5	5.0	3.5	4.0	14.0	12.5	13.5
12	0.0	0.0	0.0	2.5	0.0	1.0	8.5	4.0	6.0	13.5	12.5	13.0
13	0.0	0.0	0.0	2.5	0.5	1.5	8.0	4.0	6.0	12.5	8.5	10.5
14	0.0	0.0	0.0	2.5	0.0	1.5	8.5	3.5	6.0	10.0	8.0	9.0
15	0.0	0.0	0.0	5.5	1.5	3.5	10.0	5.0	7.5	13.0	8.5	11.0
16	0.0	0.0	0.0	6.0	2.5	4.0	10.5	6.0	8.0	13.0	10.5	12.0
17	0.0	0.0	0.0	5.0	2.5	3.0	8.0	4.5	5.5	15.0	11.0	13.0
18	0.0	0.0	0.0	3.0	1.5	2.0	5.5	3.5	4.5	16.0	11.0	13.5
19	0.0	0.0	0.0	4.0	1.5	2.5	9.5	4.5	6.5	17.0	11.5	14.5
20	0.5	0.0	0.0	2.5	2.5	2.5	10.0	5.0	7.5	16.5	12.5	15.0
21	0.5	0.0	0.0	4.0	2.0	3.0	8.5	6.0	7.0	16.0	12.5	13.5
22	0.0	0.0	0.0	4.5	3.0	3.5	7.5	6.5	7.0	14.0	11.5	13.0
23	0.0	0.0	0.0	3.5	3.0	3.0	7.0	4.5	6.0	14.0	12.5	13.0
24	0.0	0.0	0.0	4.5	2.5	3.5	9.0	3.5	6.0	13.0	12.5	12.5
25	0.0	0.0	0.0	5.5	3.0	4.0	10.5	4.5	8.0	16.5	12.0	14.0
26	0.0	0.0	0.0	4.0	3.5	4.0	9.5	7.5	8.0	15.5	13.0	13.5
27	0.0	0.0	0.0	5.5	3.0	4.0	11.5	8.0	9.5	17.0	12.5	15.0
28	0.5	0.0	0.0	5.5	3.0	4.5	11.5	7.0	9.5	16.5	14.0	15.5
29	---	---	---	5.5	4.5	5.0	11.0	7.5	9.0	17.0	13.5	15.5
30	---	---	---	5.0	3.0	3.5	10.5	6.0	8.5	17.5	14.0	16.0
31	---	---	---	5.0	2.0	3.5	---	---	---	16.0	13.5	14.5
MONTH	0.5	0.0	0.0	6.0	0.0	2.4	11.5	2.0	5.8	17.5	7.5	12.7
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.5	11.5	13.0	19.5	14.5	17.0	17.5	13.5	15.0	14.5	13.0	13.5
2	15.0	11.0	13.0	20.0	15.5	18.0	20.0	13.5	18.5	15.5	14.5	15.0
3	13.5	12.0	13.0	20.0	16.0	18.0	21.0	18.0	19.5	15.0	13.5	14.5
4	14.0	12.5	13.5	20.5	16.5	18.5	20.0	18.5	19.0	15.0	12.5	14.0
5	15.0	13.5	14.0	20.0	17.0	18.5	20.0	18.0	19.0	19.0	15.0	17.5
6	17.5	13.5	15.0	20.5	17.0	18.5	18.5	17.5	18.0	20.5	17.5	19.0
7	16.0	14.0	14.5	19.0	16.0	17.5	19.0	17.0	18.0	21.0	18.5	19.5
8	16.0	14.0	15.0	17.5	13.0	15.5	20.5	17.5	19.0	21.0	18.5	19.5
9	17.0	15.0	16.0	16.5	12.5	13.5	19.5	18.5	19.0	21.5	17.0	19.5
10	18.5	14.0	16.5	16.0	12.0	14.0	20.0	17.0	18.5	18.0	15.0	16.5
11	17.5	15.0	16.0	17.0	15.0	16.0	18.0	16.5	17.5	17.5	14.0	16.0
12	17.0	15.0	16.0	19.0	15.5	17.0	18.5	14.5	16.5	18.0	15.5	16.5
13	16.0	15.0	15.5	19.0	15.5	17.0	16.0	11.5	14.0	16.5	15.0	16.0
14	17.5	14.5	16.0	22.0	15.0	18.5	16.0	11.5	14.0	19.0	16.5	18.0
15	17.5	15.5	16.5	22.0	17.0	19.5	16.0	11.5	14.0	19.0	17.0	17.5
16	19.0	15.0	17.0	20.5	18.0	19.5	15.5	13.0	14.5	18.0	16.0	17.0
17	19.5	16.0	17.5	20.0	16.0	18.0	15.0	13.5	14.5	16.0	13.5	15.0
18	17.5	16.0	16.5	18.0	13.5	16.0	17.0	13.5	15.5	15.0	12.5	14.0
19	19.0	16.0	17.5	15.5	11.5	13.5	19.5	15.5	17.5	15.5	13.5	14.5
20	18.0	15.5	17.0	17.5	12.5	15.0	19.5	16.0	17.5	16.0	14.0	15.0
21	16.0	14.5	15.5	17.0	15.5	16.0	20.5	16.5	18.5	17.0	13.5	15.0
22	---	---	---	18.0	15.0	16.5	20.5	17.5	19.0	15.0	14.0	14.5
23	---	---	---	19.0	16.5	18.0	20.0	15.5	17.5	16.5	15.0	15.5
24	---	---	---	20.5	17.5	19.0	19.0	14.0	16.5	17.0	14.5	15.5
25	---	---	---	22.5	17.5	20.0	19.0	15.0	17.0	16.5	15.0	15.5
26	22.5	---	---	22.5	18.0	20.5	18.0	15.5	17.0	18.0	15.5	16.5
27	21.0	15.5	17.0	20.5	15.5	17.5	18.0	14.0	16.0	19.0	16.5	18.0
28	19.5	15.0	17.5	19.0	14.0	16.5	16.0	12.0	14.0	18.5	16.5	17.0
29	19.0	15.5	17.0	20.0	16.0	18.0	13.5	9.0	11.0	17.5	16.0	16.5
30	18.5	16.0	17.5	20.0	15.5	18.0	13.0	11.0	12.5	17.0	15.0	15.5
31	---	---	---	19.0	15.5	17.5	15.0	9.5	12.5	---	---	---
MONTH	---	---	---	22.5	11.5	17.3	21.0	9.0	16.5	21.5	12.5	16.2

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, 26.0°C, July 6; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.0	16.0	17.0	5.5	5.0	5.5	2.5	1.0	2.0	2.0	1.5	2.0
2	21.0	18.0	19.0	5.0	4.5	4.5	1.0	0.5	1.0	2.0	1.5	1.5
3	20.0	19.0	19.5	4.5	4.0	4.5	0.5	0.0	0.0	1.5	0.0	1.0
4	19.0	16.5	17.5	4.5	4.0	4.5	0.0	0.0	0.0	0.5	0.0	0.0
5	18.0	16.0	17.0	5.5	4.0	5.0	0.0	0.0	0.0	1.0	0.5	1.0
6	17.5	15.5	16.5	6.0	5.0	5.5	0.0	0.0	0.0	1.5	1.0	1.0
7	16.5	15.0	16.0	5.5	4.5	5.0	0.0	0.0	0.0	1.0	0.0	0.5
8	16.0	13.5	14.5	5.5	4.0	4.5	0.0	0.0	0.0	0.5	0.0	0.0
9	14.5	13.0	14.0	6.0	4.5	5.0	0.0	0.0	0.0	1.5	0.5	1.0
10	14.0	14.0	14.0	8.0	6.0	7.0	0.0	0.0	0.0	2.0	1.0	1.5
11	14.0	14.0	14.0	10.0	8.0	9.5	0.0	0.0	0.0	1.0	0.0	0.0
12	14.0	13.5	13.5	10.0	9.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0
13	13.5	13.0	13.5	9.0	8.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
14	13.0	11.5	12.0	8.0	7.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
15	11.5	10.0	10.5	8.0	7.0	7.5	0.5	0.0	0.0	0.0	0.0	0.0
16	10.0	10.0	10.0	7.5	6.5	7.0	0.5	0.0	0.0	0.0	0.0	0.0
17	10.0	10.0	10.0	6.5	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
18	10.5	9.5	10.0	6.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
19	9.5	9.0	9.5	5.0	4.5	4.5	0.5	0.0	0.0	0.0	0.0	0.0
20	9.5	8.5	9.0	5.0	4.5	5.0	0.5	0.0	0.5	0.0	0.0	0.0
21	9.5	8.5	9.0	5.5	5.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0
22	8.5	7.5	8.0	6.0	5.0	5.5	2.0	0.5	1.5	0.0	0.0	0.0
23	9.0	8.0	8.5	6.0	4.0	5.0	2.5	2.0	2.0	0.0	0.0	0.0
24	8.0	6.5	7.5	4.5	4.0	4.0	2.0	1.5	2.0	0.0	0.0	0.0
25	7.5	7.0	7.5	4.5	4.0	4.0	1.5	0.0	0.5	0.0	0.0	0.0
26	8.0	7.0	7.5	4.5	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
27	9.0	7.5	8.0	4.0	2.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
28	8.5	7.5	8.0	2.5	2.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0
29	7.5	6.0	6.5	2.0	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
30	6.5	6.0	6.0	2.5	1.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0
31	6.5	5.0	5.5	---	---	---	1.5	0.0	1.0	0.0	0.0	0.0
MONTH	21.0	5.0	11.6	10.0	1.5	5.2	2.5	0.0	0.4	2.0	0.0	0.3

01427301 DELAWARE RIVER NEAR HANKINS, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.0	2.5	13.5	10.5	11.5
2	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	3.0	13.5	12.0	13.0
3	0.5	0.0	0.0	0.0	0.0	0.0	4.5	4.0	4.0	12.0	10.0	11.5
4	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.5	4.0	12.0	10.0	11.0
5	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.0	2.5	11.5	9.5	10.5
6	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	3.0	9.5	9.0	9.5
7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	3.0	12.5	9.5	11.0
8	0.0	0.0	0.0	0.5	0.0	0.0	2.5	2.0	2.0	13.0	12.5	12.5
9	0.0	0.0	0.0	0.5	0.0	0.0	3.5	2.5	3.0	14.0	12.0	13.0
10	0.0	0.0	0.0	0.5	0.0	0.0	6.0	3.5	5.0	14.5	12.5	13.5
11	0.0	0.0	0.0	0.5	0.0	0.0	6.0	5.0	5.5	14.0	13.5	14.0
12	0.0	0.0	0.0	0.5	0.0	0.0	8.0	5.0	6.5	13.5	12.5	13.0
13	0.0	0.0	0.0	0.0	0.0	0.0	8.0	6.5	7.5	12.5	11.0	11.5
14	0.0	0.0	0.0	0.5	0.0	0.0	8.0	6.0	7.0	11.0	10.0	10.5
15	0.0	0.0	0.0	1.0	0.0	0.5	10.0	7.0	8.5	12.0	9.5	11.0
16	0.0	0.0	0.0	1.0	0.0	0.5	11.5	9.5	10.5	12.5	11.5	12.0
17	0.0	0.0	0.0	1.0	0.0	0.5	11.0	6.5	9.0	14.0	11.5	13.0
18	0.0	0.0	0.0	1.0	0.0	0.5	6.5	5.5	6.0	16.0	12.5	14.5
19	0.0	0.0	0.0	3.0	0.0	1.5	9.0	5.5	7.0	17.0	13.5	15.0
20	0.0	0.0	0.0	3.0	1.5	2.5	11.0	8.0	9.5	17.0	14.5	16.0
21	0.0	0.0	0.0	3.5	1.5	2.5	10.0	9.0	10.0	16.0	14.0	15.5
22	0.0	0.0	0.0	4.5	3.0	3.5	9.5	9.0	9.5	14.0	13.0	13.5
23	0.0	0.0	0.0	4.0	3.5	3.5	9.0	6.5	7.5	14.0	13.0	13.5
24	0.0	0.0	0.0	5.0	3.0	4.0	8.5	5.5	7.0	13.5	13.0	13.0
25	0.0	0.0	0.0	6.0	3.5	5.0	10.5	7.0	9.0	15.0	12.5	14.0
26	0.0	0.0	0.0	5.5	4.5	5.0	10.0	9.0	9.5	15.0	14.0	14.5
27	0.0	0.0	0.0	5.5	3.5	4.5	12.0	8.5	10.0	16.0	13.0	14.5
28	0.0	0.0	0.0	6.5	4.0	5.5	12.0	9.5	11.0	17.5	15.5	16.0
29	---	---	---	7.0	6.0	6.5	12.0	10.5	11.0	17.5	15.0	16.0
30	---	---	---	6.5	3.5	5.0	11.0	9.5	10.5	18.5	16.0	17.0
31	---	---	---	4.0	2.5	3.5	---	---	---	17.0	15.0	16.0
MONTH	0.5	0.0	0.0	7.0	0.0	1.8	12.0	2.0	6.8	18.5	9.0	13.3
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.0	12.5	14.0	22.0	18.5	20.5	22.5	20.0	21.0	17.5	16.5	17.0
2	14.0	11.5	12.5	22.5	19.5	21.0	21.0	19.0	20.0	16.5	15.0	15.5
3	13.5	13.0	13.5	24.5	20.5	22.5	22.5	20.5	21.5	15.0	14.5	15.0
4	13.5	12.5	13.0	25.0	22.0	23.5	22.0	21.5	22.0	16.0	14.5	15.0
5	14.5	13.5	14.0	25.5	23.0	24.0	21.5	20.5	21.0	17.5	16.0	17.0
6	16.0	14.0	15.0	26.0	23.5	24.5	20.5	19.5	20.0	18.5	17.0	17.5
7	16.0	14.0	15.0	25.5	23.0	24.5	20.5	19.0	20.0	19.0	17.5	18.5
8	14.5	14.0	14.5	25.0	23.0	24.0	22.5	19.5	21.0	19.5	18.0	18.5
9	16.5	14.5	15.5	23.5	20.0	21.5	21.5	20.5	21.0	19.5	18.0	18.5
10	18.5	15.5	17.0	20.0	18.5	19.5	21.5	20.0	21.0	18.5	17.0	18.0
11	18.0	16.5	17.0	19.0	18.0	18.5	21.0	19.0	20.0	17.5	16.0	17.0
12	17.0	16.0	16.5	20.0	17.5	18.5	19.0	18.0	18.5	18.0	16.5	17.5
13	16.5	16.0	16.0	21.0	18.5	19.5	19.5	18.0	18.5	17.0	17.0	17.0
14	17.0	15.0	16.0	22.5	19.0	21.0	19.5	17.5	18.5	19.0	17.0	18.0
15	17.5	16.0	16.5	24.0	20.5	22.5	20.0	18.0	19.0	19.0	18.0	19.0
16	17.5	15.5	16.5	24.5	22.0	23.0	19.5	18.5	19.0	18.5	17.0	18.0
17	18.5	16.5	17.5	24.0	21.5	22.5	19.0	18.0	18.5	17.5	16.5	17.0
18	18.0	16.0	17.0	23.0	20.5	21.5	19.5	17.0	18.5	16.5	15.5	16.0
19	18.0	15.5	16.5	22.0	18.5	20.5	21.5	18.0	19.5	17.0	15.5	16.5
20	17.5	16.0	17.0	21.5	18.0	20.0	22.5	19.5	21.0	18.0	16.0	17.0
21	16.0	15.0	15.5	22.5	20.0	21.0	22.5	20.5	21.5	18.0	16.0	17.0
22	15.5	15.0	15.0	22.0	19.5	20.5	23.0	21.0	22.0	17.0	16.5	16.5
23	18.5	15.0	16.5	20.5	19.0	20.0	22.5	20.5	21.5	17.0	15.5	16.5
24	20.0	17.5	18.5	21.5	19.5	20.5	21.0	18.0	20.0	15.5	14.5	15.0
25	21.0	18.5	20.0	23.5	20.0	21.5	21.5	19.0	20.0	15.0	14.5	15.0
26	22.5	20.0	21.5	24.0	21.0	22.5	21.5	20.0	21.0	16.5	14.5	15.5
27	22.5	20.5	21.5	23.0	21.5	22.0	23.0	20.5	21.5	18.0	16.0	17.0
28	21.5	18.5	20.0	22.5	20.5	21.0	22.0	20.0	21.0	18.0	15.5	16.5
29	21.0	19.5	20.0	23.0	19.5	21.5	20.0	18.5	19.0	16.0	15.0	15.5
30	21.0	19.0	20.0	24.0	21.0	22.5	18.5	17.0	17.5	15.0	14.5	14.5
31	---	---	---	24.0	21.0	22.5	18.5	15.5	17.0	---	---	---
MONTH	22.5	11.5	16.6	26.0	17.5	21.6	23.0	15.5	20.0	19.5	14.5	16.8
YEAR	26.0	0.0	9.6									

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, 33,900 ft^3/s, Sept. 4, gage height, 9.38 ft; minimum discharge, 634 ft^3/s, Oct. 2, gage height, 2.73 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	756	1,410	e1,600	2,450	e1,000	e1,380	10,200	3,450	6,450	1,670	1,260	1,060
2	673	1,330	e1,450	7,890	e910	e1,400	8,930	5,290	7,730	1,400	2,440	11,700
3	e640	1,300	e1,300	5,990	e930	e1,370	8,680	8,160	6,330	1,240	2,200	11,500
4	e900	1,170	e1,100	4,710	e1,000	e1,280	8,050	7,450	6,000	1,170	2,770	26,300
5	e970	1,070	e1,040	3,770	e1,400	e1,220	8,120	6,260	5,590	1,190	3,680	18,200
6	e900	1,370	e1,050	e3,000	e1,250	e1,200	7,950	5,440	5,040	1,130	4,270	12,200
7	e950	1,930	e930	e2,450	e1,150	e1,100	7,570	4,550	4,660	1,040	3,580	8,990
8	e930	1,590	e970	e2,010	e1,080	e1,050	6,890	3,900	e4,900	1,270	2,780	6,890
9	e870	1,360	e790	e1,730	e1,050	e1,000	6,110	3,340	e4,200	1,440	e2,650	5,220
10	e960	1,120	e830	e1,490	e1,020	e970	5,480	2,850	e3,400	1,270	2,870	4,450
11	e1,100	1,060	e870	e1,340	e1,030	e950	5,640	e2,550	e3,100	2,170	4,590	e3,800
12	e4,700	1,520	e940	e1,270	e1,050	e930	6,370	e3,300	e3,400	2,360	7,240	e2,600
13	e6,400	2,900	e1,200	e1,100	e1,000	e910	5,820	e4,400	e4,000	1,430	6,030	1,960
14	e4,000	2,920	e1,800	e1,080	e950	e870	5,070	e4,200	e9,800	1,120	5,550	1,750
15	e3,000	2,510	e3,800	e1,000	e890	e850	4,560	e3,650	e10,200	1,080	e4,700	4,050
16	e3,400	2,370	e3,500	e920	e780	e970	4,210	3,260	e7,400	1,120	e3,800	5,640
17	e13,000	5,390	e2,500	e960	e800	e2,300	3,780	2,940	e5,800	1,330	e3,200	4,080
18	e8,000	e8,000	e2,000	e980	e830	9,850	3,380	2,620	e5,200	1,170	e3,000	3,340
19	e5,000	e6,600	e1,800	e1,050	e870	13,300	3,080	2,310	e4,600	1,270	e2,450	3,210
20	e4,200	e5,500	e2,600	e1,130	e890	12,400	2,770	2,040	e4,200	1,230	1,950	2,990
21	e3,300	e5,000	e6,400	e1,150	e960	25,700	2,480	1,930	e7,800	966	1,640	2,180
22	e2,700	e4,950	e5,400	e1,150	e1,000	30,200	2,450	1,880	e9,500	1,900	1,410	1,780
23	e2,200	e6,200	3,560	e1,080	e1,260	26,100	2,450	1,640	e9,300	2,970	1,260	10,300
24	e1,750	e6,000	2,900	e1,030	e1,850	18,100	2,290	1,540	e6,600	2,460	1,070	12,200
25	1,480	e4,400	2,550	e1,000	e1,900	14,400	2,110	1,740	e5,600	1,860	e1,030	8,060
26	2,160	e3,550	2,140	e1,000	e1,950	13,800	2,470	2,040	e4,100	1,520	e1,000	6,160
27	2,750	e2,950	2,430	e990	e1,750	12,200	5,280	2,450	e3,400	1,480	e970	5,190
28	2,220	e2,500	2,220	e1,020	e1,550	9,880	4,870	2,260	e2,850	1,470	e1,070	9,090
29	1,970	e2,120	1,950	e1,030	---	9,510	4,340	2,180	2,300	1,300	e1,090	11,200
30	1,700	e1,890	1,840	e1,040	---	13,500	3,840	1,950	1,960	1,160	1,240	8,590
31	1,530	---	1,800	e1,020	---	12,200	---	2,010	---	1,080	1,190	---
TOTAL	85,109	91,980	65,260	57,830	32,100	240,890	155,240	103,580	165,410	45,266	83,980	214,680
MEAN	2,745	3,066	2,105	1,865	1,146	7,771	5,175	3,341	5,514	1,460	2,709	7,156
MAX	13,000	8,000	6,400	7,890	1,950	30,200	10,200	8,160	10,200	2,970	7,240	26,300
MIN	640	1,060	790	920	780	850	2,110	1,540	1,960	966	970	1,060

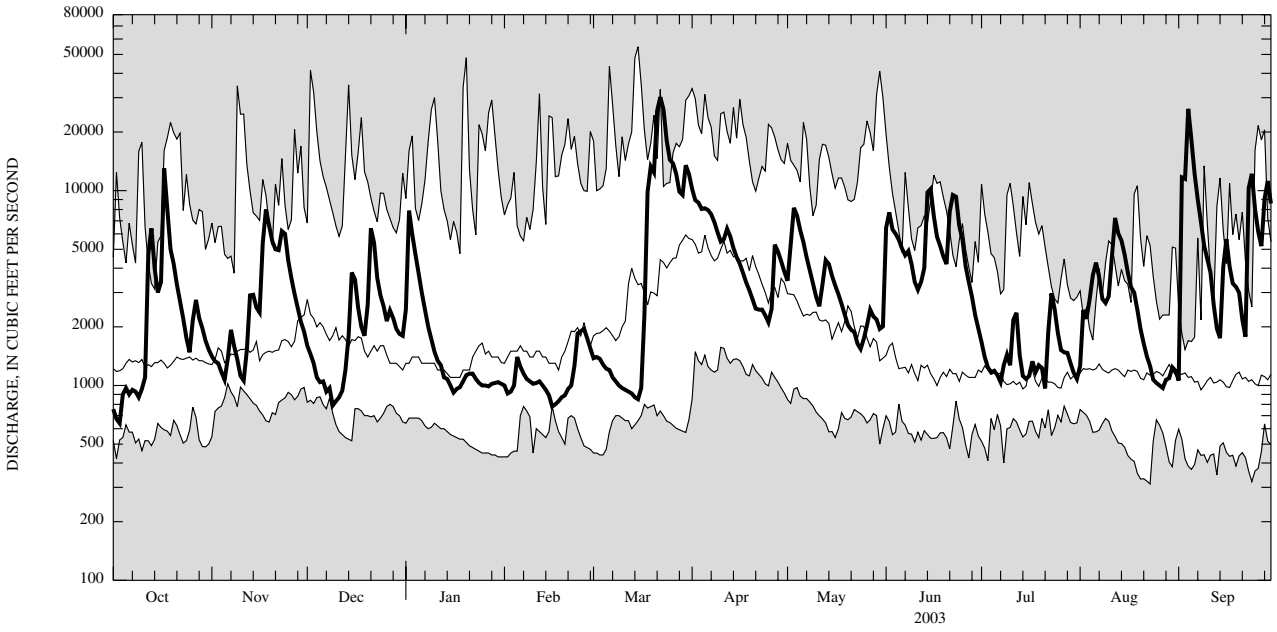
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	2,000	2,547	2,603	2,408	2,590	4,623	5,637	3,494	1,954	1,366	1,334	1,582
MAX	6,545	6,561	11,130	7,594	7,993	11,080	14,500	7,866	5,514	3,571	2,710	7,156
(WY)	(1978)	(1997)	(1997)	(1978)	(1976)	(1977)	(1993)	(1984)	(2003)	(1996)	(1994)	(2003)
MIN	701	1,130	1,035	587	611	1,177	1,496	935	734	777	560	839
(WY)	(1992)	(1979)	(1999)	(1977)	(1980)	(1981)	(1985)	(1985)	(1985)	(1981)	(1985)	(1994)

01427510 DELAWARE RIVER AT CALLICOON, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	793,871		1,341,325			
ANNUAL MEAN	2,175		3,675		2,673	
HIGHEST ANNUAL MEAN					3,972	1978
LOWEST ANNUAL MEAN					1,434	1985
HIGHEST DAILY MEAN	13,000	Oct 17	30,200	Mar 22	54,800	Mar 15, 1986
LOWEST DAILY MEAN	520	Jan 20	640	Oct 3	312	Aug 23, 1985
ANNUAL SEVEN-DAY MINIMUM	594	Jan 15	827	Oct 1	354	Aug 17, 1985
10 PERCENT EXCEEDS	4,830		8,050		6,040	
50 PERCENT EXCEEDS	1,520		2,290		1,400	
90 PERCENT EXCEEDS	760		970		800	

e Estimated



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.

01427510 DELAWARE RIVER AT CALLICOON, NY—Continued

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. Interruptions of record were due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1976-2003), 30.5°C, July 12, 1987; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 28.0°C, July 6; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.0	15.5	17.5	6.0	4.5	5.5	2.0	0.5	1.5	2.0	1.0	1.5
2	21.5	18.0	19.5	5.0	4.0	4.5	1.5	0.5	1.0	2.0	1.0	1.5
3	20.5	19.0	20.0	5.0	4.0	4.5	0.5	0.0	0.0	1.0	0.0	0.5
4	19.0	17.0	18.0	5.0	4.0	4.5	0.0	0.0	0.0	0.5	0.0	0.0
5	19.5	17.0	18.0	6.0	4.0	5.0	0.0	0.0	0.0	1.0	0.5	0.5
6	17.5	15.0	16.5	6.0	5.0	5.5	0.0	0.0	0.0	1.5	0.5	1.0
7	17.5	15.0	16.5	5.5	4.0	5.0	0.0	0.0	0.0	1.0	0.0	0.5
8	16.0	13.0	14.5	6.0	4.0	5.0	0.0	0.0	0.0	0.5	0.0	0.0
9	15.0	13.0	14.0	6.0	4.0	5.0	0.0	0.0	0.0	1.5	0.5	1.0
10	14.5	14.0	14.0	8.0	5.5	7.0	0.0	0.0	0.0	1.5	0.5	1.5
11	14.0	13.5	14.0	10.0	8.0	9.0	0.0	0.0	0.0	0.5	0.0	0.0
12	14.0	13.0	13.5	9.5	9.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0
13	14.0	13.0	13.5	9.0	8.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
14	13.0	11.0	12.5	8.0	7.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
15	11.5	10.5	11.0	8.0	7.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
16	10.5	10.0	10.0	7.5	6.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
17	10.0	10.0	10.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
18	10.5	9.5	10.0	6.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
19	10.0	9.0	9.5	5.0	4.5	4.5	0.0	0.0	0.0	0.5	0.0	0.0
20	10.0	8.5	9.0	5.0	4.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
21	10.0	8.0	9.0	5.0	4.5	5.0	0.5	0.0	0.0	0.0	0.0	0.0
22	9.5	7.5	8.5	6.0	5.0	5.5	1.5	0.5	1.0	0.0	0.0	0.0
23	9.5	7.5	8.5	5.5	4.5	5.0	2.5	1.5	2.0	0.0	0.0	0.0
24	8.5	6.5	7.5	4.5	4.0	4.0	2.0	1.5	1.5	0.0	0.0	0.0
25	8.0	7.0	7.5	4.5	4.0	4.0	1.5	0.0	0.5	0.0	0.0	0.0
26	8.0	7.0	7.5	4.5	3.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
27	9.0	7.5	8.0	4.0	2.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
28	8.5	7.0	8.0	2.5	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
29	7.0	6.0	6.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
30	6.5	6.0	6.0	2.5	1.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0
31	7.0	5.0	6.0	---	---	---	1.0	0.0	0.5	0.0	0.0	0.0
MONTH	21.5	5.0	11.8	10.0	1.0	5.2	2.5	0.0	0.3	2.0	0.0	0.3

01427510 DELAWARE RIVER AT CALLICOON, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.0	2.5	14.0	10.5	12.0
2	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	3.0	14.5	12.5	13.5
3	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.0	4.5	12.5	11.5	12.0
4	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.5	4.0	12.5	11.0	11.5
5	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.0	2.5	11.5	10.0	11.0
6	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	3.0	10.0	9.0	9.5
7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	3.0	12.5	9.5	11.0
8	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.0	2.0	13.5	12.0	13.0
9	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.5	3.0	14.5	12.5	13.5
10	0.0	0.0	0.0	0.0	0.0	0.0	6.0	3.5	5.0	16.0	12.5	14.0
11	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.0	5.5	14.5	14.0	14.5
12	0.0	0.0	0.0	0.0	0.0	0.0	8.0	5.0	6.5	14.0	12.5	13.0
13	0.0	0.0	0.0	0.0	0.0	0.0	9.0	7.0	7.5	13.0	11.5	12.0
14	0.0	0.0	0.0	0.0	0.0	0.0	9.0	6.5	7.5	12.0	10.0	11.0
15	0.0	0.0	0.0	0.0	0.0	0.0	11.0	7.5	9.0	13.0	9.5	11.5
16	0.0	0.0	0.0	0.0	0.0	0.0	13.0	9.5	11.0	13.0	11.5	12.5
17	0.0	0.0	0.0	0.0	0.0	0.0	11.0	7.0	9.5	15.0	11.5	13.0
18	0.0	0.0	0.0	1.0	0.0	0.0	7.0	6.0	6.5	17.0	12.5	15.0
19	0.0	0.0	0.0	2.5	0.0	1.0	9.5	5.5	7.5	18.0	13.5	16.0
20	0.0	0.0	0.0	2.5	1.5	2.0	12.0	7.5	10.0	19.0	14.0	16.5
21	0.0	0.0	0.0	3.5	1.5	2.5	11.5	9.0	10.5	16.5	15.0	16.0
22	0.0	0.0	0.0	4.5	3.0	4.0	10.5	9.0	10.0	15.0	13.5	14.0
23	0.0	0.0	0.0	4.0	3.5	4.0	9.0	7.0	8.0	14.5	13.0	13.5
24	0.0	0.0	0.0	4.5	3.0	4.0	9.5	6.0	7.5	14.0	13.0	13.5
25	0.0	0.0	0.0	6.0	4.0	5.0	12.0	6.5	9.0	15.5	13.0	14.0
26	0.0	0.0	0.0	6.0	4.5	5.0	10.0	9.5	10.0	14.5	14.0	14.5
27	0.0	0.0	0.0	5.5	4.0	4.5	12.0	9.0	10.5	17.0	13.5	15.5
28	0.0	0.0	0.0	6.0	4.5	5.5	13.0	10.5	11.5	18.5	15.0	16.5
29	---	---	---	7.0	6.0	6.5	12.5	11.0	11.5	18.5	15.5	17.0
30	---	---	---	6.5	3.5	5.5	12.5	10.5	11.0	20.0	16.0	18.0
31	---	---	---	4.0	2.5	3.5	---	---	---	17.5	15.5	16.5
MONTH	0.0	0.0	0.0	7.0	0.0	1.7	13.0	2.0	7.1	20.0	9.0	13.7
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.5	12.5	14.0	24.0	19.0	21.5	24.0	21.0	22.0	18.5	17.0	17.5
2	14.0	12.0	13.0	25.0	20.0	22.5	22.5	20.5	21.5	17.0	15.5	16.0
3	14.0	13.0	13.5	26.5	21.0	23.5	24.5	20.5	22.5	15.5	15.0	15.0
4	13.5	13.0	13.0	27.5	22.5	25.0	22.5	22.0	22.5	15.5	15.0	15.5
5	15.0	13.0	14.0	27.5	23.0	25.5	23.0	21.0	22.0	17.5	15.5	17.0
6	16.5	14.0	15.0	28.0	23.5	26.0	21.5	20.0	20.5	18.5	17.0	17.5
7	16.0	14.5	15.5	27.5	23.5	25.5	21.5	19.5	20.5	19.0	17.5	18.5
8	15.0	14.5	14.5	27.5	24.0	26.0	23.5	20.0	21.5	19.5	18.5	19.0
9	17.0	14.5	16.0	25.5	21.5	23.0	22.5	21.0	21.5	19.5	18.5	19.0
10	19.5	15.5	17.5	22.5	20.0	21.0	23.0	20.5	21.5	19.5	17.5	18.5
11	18.5	17.0	17.5	20.5	18.5	19.5	22.5	19.5	21.0	---	---	---
12	17.5	17.0	17.0	21.0	18.0	19.5	20.0	19.0	19.5	19.0	---	---
13	17.0	16.0	16.5	22.5	18.5	20.5	20.5	18.5	19.5	18.0	17.0	17.5
14	17.0	15.5	16.5	24.0	19.0	21.5	20.5	18.0	19.5	20.0	17.5	18.5
15	18.0	16.5	17.0	26.0	20.5	23.5	21.5	19.0	20.0	20.0	18.5	19.0
16	18.0	16.0	17.0	26.5	22.0	24.5	20.5	19.0	19.5	19.0	17.5	18.0
17	19.0	17.0	18.0	26.0	21.5	24.0	20.5	18.5	19.0	19.0	17.0	17.5
18	18.0	16.5	17.5	23.5	21.5	22.0	21.0	18.0	19.0	17.5	16.0	16.5
19	18.5	16.0	17.0	24.5	19.5	22.0	22.5	18.5	20.5	18.0	16.0	17.0
20	17.5	16.0	17.5	24.5	19.5	22.0	24.5	19.5	22.0	18.5	16.5	17.5
21	16.0	15.5	16.0	24.5	20.0	22.5	24.5	21.0	22.5	19.0	16.0	17.5
22	15.5	15.0	15.5	23.0	20.5	22.0	25.0	21.5	23.0	17.5	16.5	17.0
23	18.0	15.5	17.0	21.5	19.5	20.5	24.0	20.5	22.0	17.0	16.0	16.5
24	20.5	18.0	19.0	23.0	20.0	21.5	22.5	18.5	21.0	16.0	15.0	15.5
25	21.5	19.0	20.5	25.0	20.5	22.5	23.0	19.0	21.0	15.5	15.0	15.5
26	24.0	20.5	22.0	25.5	21.0	23.0	24.0	20.0	21.5	16.5	15.0	15.5
27	24.5	20.5	22.5	24.0	22.0	23.0	---	---	---	17.5	16.0	17.0
28	23.0	19.5	21.0	25.0	21.5	23.0	24.0	20.0	22.5	18.0	15.5	17.0
29	22.5	19.5	21.0	25.0	20.0	22.5	22.0	19.5	21.0	16.0	15.0	15.5
30	22.5	19.5	21.0	26.0	20.5	23.5	21.0	17.5	19.5	15.5	14.5	15.0
31	---	---	---	26.0	21.5	24.0	20.5	16.0	18.5	---	---	---
MONTH	24.5	12.0	17.1	28.0	18.0	22.8	---	---	---	---	---	---

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, 35,300 ft^3/s, Mar. 22, Sept. 4; maximum gage height, 12.26 ft, Mar. 22; minimum discharge, 642 ft^3/s, Oct. 3, gage height, 2.34 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	884	1,770	2,590	2,760	e1,100	e1,650	11,300	4,160	6,380	2,000	1,260	1,240
2	734	1,640	2,340	8,870	e1,100	e1,600	9,820	4,970	8,620	1,670	2,140	10,900
3	662	1,540	e1,800	8,170	e1,200	e1,600	9,420	8,220	6,870	1,440	2,600	15,300
4	932	1,450	e1,400	6,180	e1,400	e1,500	8,760	8,060	6,230	1,310	2,620	26,300
5	1,010	1,360	e1,300	e4,500	e1,500	e1,450	8,680	6,920	5,770	1,270	4,060	22,000
6	913	1,760	e1,300	e3,700	e1,400	e1,400	8,680	6,080	5,130	1,260	4,800	13,800
7	972	2,430	e1,300	e3,000	e1,300	e1,300	8,420	5,290	4,820	1,170	4,480	9,900
8	946	2,210	e1,200	e2,600	e1,200	e1,250	7,730	4,600	5,040	1,220	3,300	7,610
9	888	1,890	e1,100	e2,100	e1,100	e1,200	6,980	4,020	4,330	1,540	3,690	6,030
10	974	1,730	e1,000	e1,900	e1,100	e1,150	6,350	3,520	3,700	1,410	3,290	5,080
11	1,170	1,670	e1,000	e1,600	e1,100	e1,100	6,360	3,010	3,330	1,560	4,310	4,230
12	5,190	1,710	e1,100	e1,500	e1,100	e1,050	7,420	3,910	3,750	2,940	8,400	3,270
13	7,030	3,020	e1,300	e1,350	e1,100	e1,050	6,940	4,510	5,970	1,750	6,410	2,530
14	4,370	3,460	e2,000	e1,250	e1,000	e1,000	6,110	4,300	9,810	1,280	5,830	2,240
15	3,120	2,920	4,130	e1,200	e940	e1,000	5,490	4,100	10,600	1,130	4,980	3,340
16	3,680	2,670	3,940	e1,100	e900	e1,300	5,090	3,800	8,170	1,080	3,970	7,090
17	14,600	5,650	3,120	e1,150	e900	e2,800	4,650	3,480	6,620	1,330	3,240	5,050
18	8,980	8,610	2,330	e1,200	e900	10,200	4,220	3,110	5,520	1,290	3,000	4,180
19	5,800	7,030	2,010	e1,250	e920	16,800	3,860	2,780	4,890	1,190	2,520	3,950
20	4,430	5,590	3,050	e1,300	e960	14,300	3,510	2,470	4,320	1,350	2,230	3,910
21	3,520	5,070	6,950	e1,350	e1,100	28,200	3,140	2,340	8,370	1,090	1,910	2,980
22	2,810	5,040	5,430	e1,350	e1,200	34,100	3,030	2,310	9,680	1,730	1,590	2,320
23	2,340	6,400	4,520	e1,300	e1,500	30,500	3,050	2,100	9,390	3,290	1,420	9,190
24	2,010	5,990	3,850	e1,200	e2,000	21,300	2,880	1,910	7,440	2,920	1,230	15,300
25	1,760	4,960	3,420	e1,200	e2,100	16,500	2,680	2,110	5,870	2,200	1,090	9,580
26	2,500	4,290	2,820	e1,200	e2,200	15,400	2,620	2,450	4,800	1,730	1,040	7,480
27	3,650	3,840	2,990	e1,200	e2,000	13,800	5,530	3,040	4,230	1,560	999	6,220
28	2,930	3,420	2,880	e1,200	e1,900	11,200	5,600	2,820	3,480	1,570	1,090	8,770
29	2,440	2,980	2,700	e1,300	---	10,200	5,100	2,650	2,680	1,450	1,110	13,200
30	2,160	2,710	2,470	e1,300	---	14,100	4,580	2,380	2,320	1,270	1,470	9,880
31	1,960	---	2,380	e1,200	---	13,500	---	2,290	---	1,150	1,310	---
TOTAL	95,365	104,810	79,720	70,480	36,220	273,500	178,000	117,710	178,130	49,150	91,389	242,870
MEAN	3,076	3,494	2,572	2,274	1,294	8,823	5,933	3,797	5,938	1,585	2,948	8,096
MAX	14,600	8,610	6,950	8,870	2,200	34,100	11,300	8,220	10,600	3,290	8,400	26,300
MIN	662	1,360	1,000	1,100	900	1,000	2,620	1,910	2,320	1,080	999	1,240

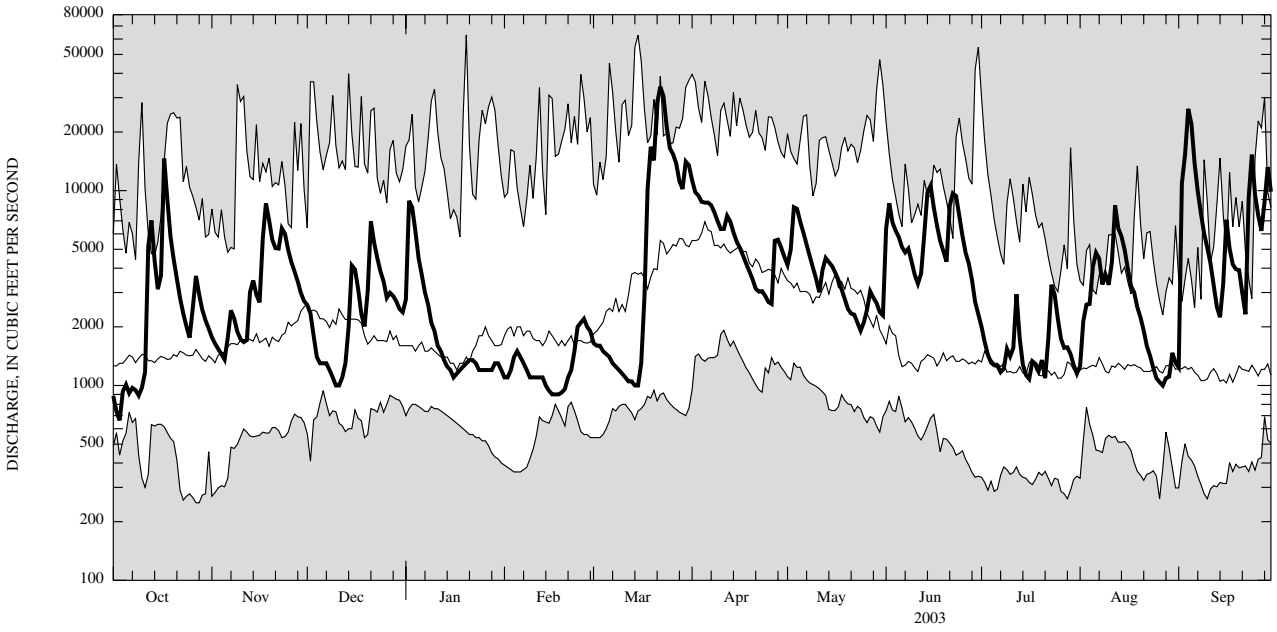
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	2,018	2,708	3,051	2,712	2,914	5,182	6,448	4,066	2,436	1,616	1,426	1,640
MAX	7,404	7,448	11,940	8,335	9,389	12,050	16,500	8,615	6,701	4,087	3,033	8,096
(WY)	(1978)	(1997)	(1997)	(1978)	(1976)	(1977)	(1993)	(1984)	(1972)	(1996)	(1994)	(2003)
MIN	527	610	1,114	687	712	1,399	1,878	1,161	673	328	465	448
(WY)	(1964)	(1965)	(1999)	(1977)	(1980)	(1981)	(1985)	(1965)	(1965)	(1965)	(1965)	(1965)

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	934,234		1,517,344			
ANNUAL MEAN	2,560		4,157		3,016	
HIGHEST ANNUAL MEAN					4,650	1973
LOWEST ANNUAL MEAN					1,297	1965
HIGHEST DAILY MEAN	14,600	Oct 17	34,100	Mar 22	63,000	Jan 20, 1996
LOWEST DAILY MEAN	606	Sep 20	662	Oct 3	250	Oct 27, 1963
ANNUAL SEVEN-DAY MINIMUM	690	Sep 17	872	Oct 1	264	Oct 23, 1963
10 PERCENT EXCEEDS	5,600		8,760		6,710	
50 PERCENT EXCEEDS	1,850		2,760		1,630	
90 PERCENT EXCEEDS	819		1,100		873	

e Estimated



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, 2003), 32.5°C, July 9, 10, 1993; minimum (water years 1968, 1977-2003), 0.0°C, on many days during winter periods, each year except water years 1980-82.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 29.0°C, July 6, 8; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.0	16.0	18.5	6.5	5.5	6.0	2.0	1.0	1.5	1.5	0.5	1.0
2	22.0	18.0	20.0	6.0	5.0	5.5	1.5	0.5	1.0	1.5	1.5	1.5
3	22.0	19.5	20.5	5.0	4.5	5.0	0.5	0.0	0.0	1.5	0.5	1.0
4	19.5	18.0	18.5	5.5	4.0	5.0	0.5	0.0	0.0	0.5	0.0	0.5
5	22.5	17.5	19.0	6.0	4.0	5.0	0.0	0.0	0.0	1.0	0.5	0.5
6	20.5	16.5	18.0	6.0	5.0	5.5	0.0	0.0	0.0	1.0	0.5	1.0
7	19.0	15.5	17.5	6.5	5.0	5.5	0.0	0.0	0.0	1.0	0.5	1.0
8	18.5	14.0	16.0	6.5	4.5	5.5	0.0	0.0	0.0	0.5	0.0	0.5
9	16.0	14.0	15.0	6.5	5.0	5.5	0.0	0.0	0.0	1.5	0.5	1.0
10	15.0	14.5	15.0	8.0	5.5	7.0	0.0	0.0	0.0	2.0	1.0	1.5
11	14.5	14.0	14.0	10.0	8.0	9.0	0.0	0.0	0.0	1.0	0.0	0.5
12	14.0	13.5	14.0	9.5	9.0	9.0	0.0	0.0	0.0	0.5	0.0	0.0
13	14.0	13.5	14.0	9.0	8.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0
14	13.5	12.0	13.0	8.5	7.5	8.0	0.0	0.0	0.0	0.5	0.0	0.0
15	12.0	11.0	11.5	8.5	7.5	8.0	0.5	0.0	0.0	0.5	0.0	0.0
16	11.0	10.5	11.0	7.5	6.5	7.5	0.5	0.0	0.0	0.5	0.0	0.0
17	10.5	10.0	10.5	6.5	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
18	10.5	9.5	10.0	6.0	5.0	5.5	0.5	0.0	0.0	0.0	0.0	0.0
19	10.0	9.5	9.5	5.0	4.5	4.5	1.0	0.0	0.0	0.0	0.0	0.0
20	10.0	9.0	9.5	5.0	4.5	4.5	0.5	0.0	0.5	0.0	0.0	0.0
21	10.0	9.0	9.5	5.0	4.5	5.0	0.5	0.0	0.0	0.0	0.0	0.0
22	10.0	8.5	9.0	5.5	5.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0
23	10.0	8.0	9.0	5.5	4.5	5.0	2.0	1.0	1.5	0.0	0.0	0.0
24	9.0	7.5	8.5	4.5	4.0	4.5	2.0	1.5	2.0	0.0	0.0	0.0
25	8.5	8.0	8.0	4.5	4.0	4.0	1.5	0.0	0.5	0.0	0.0	0.0
26	8.5	7.5	8.0	4.5	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
27	9.0	7.5	8.0	4.0	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
28	9.0	7.5	8.0	3.0	2.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0
29	7.5	6.5	7.5	2.0	1.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0
30	7.0	6.0	6.5	2.5	1.5	2.0	1.0	0.0	0.5	0.5	0.0	0.0
31	7.5	5.5	6.5	---	---	---	1.0	0.5	0.5	0.0	0.0	0.0
MONTH	22.5	5.5	12.4	10.0	1.5	5.5	2.0	0.0	0.3	2.0	0.0	0.3

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.5	3.0	13.5	11.5	12.5
2	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.0	3.0	14.5	13.5	14.0
3	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.5	4.5	14.0	12.5	13.0
4	0.0	0.0	0.0	0.5	0.0	0.0	4.5	4.0	4.5	13.0	11.0	12.0
5	0.0	0.0	0.0	0.5	0.0	0.0	4.0	2.5	3.0	12.5	11.0	11.5
6	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	3.0	11.0	10.0	10.0
7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	3.5	12.0	9.5	11.0
8	0.0	0.0	0.0	0.5	0.0	0.0	3.0	2.0	2.5	13.0	12.0	12.5
9	0.0	0.0	0.0	0.5	0.0	0.0	3.5	2.5	3.0	14.0	13.0	13.5
10	0.0	0.0	0.0	0.5	0.0	0.0	5.5	3.5	4.5	15.0	13.5	14.0
11	0.0	0.0	0.0	0.5	0.0	0.0	6.0	5.5	5.5	15.0	14.5	15.0
12	0.0	0.0	0.0	0.5	0.0	0.0	8.0	5.5	6.5	14.5	13.5	14.0
13	0.0	0.0	0.0	0.0	0.0	0.0	9.0	7.0	8.0	13.5	12.5	13.0
14	0.0	0.0	0.0	0.5	0.0	0.0	9.0	7.0	8.5	12.5	11.5	12.0
15	0.0	0.0	0.0	1.0	0.0	0.5	10.5	8.0	9.5	12.5	11.0	12.0
16	0.0	0.0	0.0	1.5	0.0	0.5	12.5	10.0	11.5	12.5	12.0	12.5
17	0.0	0.0	0.0	1.0	0.0	0.5	12.0	9.0	10.5	14.5	12.5	13.0
18	0.0	0.0	0.0	1.0	0.0	0.5	9.0	7.0	7.5	16.5	13.0	14.5
19	0.0	0.0	0.0	1.0	0.0	0.5	9.0	6.5	7.5	18.0	14.5	16.0
20	0.0	0.0	0.0	2.0	1.0	2.0	11.0	8.0	9.5	18.5	15.5	17.0
21	0.0	0.0	0.0	3.0	1.5	2.0	12.0	10.0	11.0	17.0	16.0	16.5
22	0.0	0.0	0.0	4.5	3.0	4.0	12.0	10.5	11.0	16.0	14.5	15.0
23	0.0	0.0	0.0	4.5	4.0	4.0	10.5	8.0	9.5	14.5	13.5	14.0
24	0.0	0.0	0.0	4.5	3.5	4.0	10.0	7.5	8.5	14.0	13.5	13.5
25	0.0	0.0	0.0	6.0	4.5	5.0	11.0	8.0	9.5	15.0	13.5	14.5
26	0.0	0.0	0.0	6.0	5.0	5.5	11.0	10.0	10.5	14.5	14.0	14.5
27	0.0	0.0	0.0	5.5	4.5	5.0	12.0	10.0	11.0	16.0	14.0	15.0
28	0.0	0.0	0.0	6.5	5.0	6.0	13.5	11.0	12.0	17.0	15.5	16.5
29	---	---	---	7.5	6.0	7.0	13.0	12.0	12.5	19.0	16.0	17.5
30	---	---	---	7.0	5.0	6.0	12.5	11.5	12.0	20.0	17.0	18.5
31	---	---	---	5.0	3.5	4.0	---	---	---	18.5	17.0	18.0
MONTH	0.0	0.0	0.0	7.5	0.0	1.8	13.5	2.0	7.5	20.0	9.5	14.1
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	14.0	15.5	24.5	20.5	22.5	24.5	23.0	23.5	20.5	18.5	19.0
2	14.0	13.0	13.5	25.0	21.0	23.0	25.0	22.0	23.5	18.5	15.5	17.0
3	14.5	13.0	14.0	26.0	21.5	24.0	24.0	22.5	---	15.5	15.5	15.5
4	14.0	13.5	13.5	27.5	23.0	25.5	---	---	---	16.0	15.5	15.5
5	15.0	13.0	14.0	28.5	24.5	26.5	---	---	---	17.5	15.5	16.5
6	16.5	14.5	15.0	29.0	25.5	27.0	---	---	---	18.5	17.0	17.5
7	16.0	15.5	15.5	28.5	25.0	26.5	22.0	---	---	19.5	17.5	18.5
8	15.5	15.0	15.0	29.0	25.0	26.5	23.5	21.5	22.5	19.5	18.0	19.0
9	16.5	15.0	15.5	26.5	24.0	25.0	23.0	22.5	22.5	20.0	18.5	19.0
10	18.5	16.0	17.5	24.5	21.5	23.0	23.5	22.0	22.5	20.0	18.0	19.0
11	19.0	18.0	18.5	23.0	21.0	22.0	23.0	21.5	22.5	19.5	18.0	19.0
12	18.5	17.5	18.0	22.0	20.0	21.0	21.5	20.5	21.0	19.5	18.0	18.5
13	18.0	16.5	17.0	23.0	20.0	21.5	21.5	20.0	20.5	18.5	17.5	18.0
14	17.5	16.5	17.0	25.0	20.0	22.5	21.5	20.0	21.0	20.0	17.5	19.0
15	18.5	16.5	17.5	26.0	21.5	23.5	22.0	20.5	21.0	20.5	19.5	20.0
16	18.5	16.5	17.5	26.5	23.0	24.5	21.5	20.5	21.0	20.0	18.5	19.0
17	18.5	17.0	18.0	27.0	23.0	24.5	22.0	20.5	21.0	19.5	18.0	18.5
18	18.5	17.5	18.0	24.5	22.5	23.5	21.5	20.0	20.5	18.5	17.5	18.0
19	18.5	17.0	17.5	25.5	21.5	23.5	23.0	20.5	21.5	18.5	17.5	18.0
20	18.0	17.5	17.5	25.5	21.5	23.5	24.5	21.0	22.5	19.0	18.0	18.5
21	17.5	16.0	16.5	26.5	22.0	24.0	25.5	22.0	23.5	19.5	17.5	18.5
22	16.0	15.5	15.5	24.5	22.5	23.5	26.0	23.0	24.5	18.0	17.5	18.0
23	18.5	15.5	16.5	23.0	21.0	22.0	25.5	22.5	23.5	17.5	17.0	17.5
24	20.5	17.5	19.0	23.0	21.0	22.0	24.5	20.5	22.5	17.0	15.5	16.0
25	22.0	19.5	20.5	25.0	21.5	23.0	24.5	20.5	22.5	16.0	15.0	15.5
26	23.5	21.0	22.0	25.5	22.5	24.0	24.0	21.5	23.0	16.5	15.0	15.5
27	24.0	23.0	23.5	25.5	23.0	24.0	25.5	22.0	23.5	17.5	16.0	17.0
28	23.5	22.0	---	26.0	23.0	24.5	25.5	21.5	23.5	17.5	16.5	17.0
29	---	---	---	26.5	22.0	24.5	24.5	21.0	23.0	16.5	15.5	16.0
30	23.0	21.5	---	27.0	22.5	24.5	23.5	20.5	22.0	15.5	14.5	15.0
31	---	---	---	26.5	22.5	24.5	22.5	19.0	20.5	---	---	---
MONTH	---	---	---	29.0	20.0	23.9	---	---	---	20.5	14.5	17.6

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. Interruptions of record were due to malfunction of recording instrument.

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 recorded, 25.5°C, July 8, 16, 17, but may have been higher during period of instrument malfunction; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.0	16.0	17.5	6.5	5.0	6.0	3.0	0.5	2.0	2.0	1.0	1.5
2	21.5	17.5	19.0	6.0	4.5	5.0	3.0	0.5	2.0	2.0	0.5	1.5
3	---	---	---	5.5	4.0	4.5	2.5	0.0	0.5	1.5	0.0	0.5
4	---	---	---	5.5	3.5	4.5	1.5	0.0	0.0	1.5	0.0	0.5
5	---	---	---	5.5	4.0	5.0	1.0	0.0	0.0	1.5	0.0	1.0
6	---	---	---	6.5	5.0	5.5	1.5	0.0	0.5	1.5	0.0	1.0
7	---	---	---	6.0	4.5	5.0	1.0	0.0	0.0	1.5	0.0	0.5
8	---	---	---	6.5	3.5	5.0	0.5	0.0	0.0	1.5	0.0	0.5
9	---	---	---	6.5	4.5	5.5	0.5	0.0	0.0	2.0	0.5	1.5
10	---	---	---	8.0	5.5	6.5	0.5	0.0	0.0	2.0	0.5	1.5
11	---	---	---	10.0	7.5	9.0	0.5	0.0	0.0	1.0	0.0	0.5
12	---	---	---	9.5	9.0	9.5	1.5	0.0	0.5	0.5	0.0	0.0
13	14.5	13.5	14.0	9.5	8.0	9.0	1.5	0.0	1.0	0.5	0.0	0.0
14	14.0	12.0	13.0	8.5	7.0	7.5	2.0	0.0	1.5	0.5	0.0	0.0
15	12.0	11.0	11.5	8.0	7.0	7.5	2.0	0.5	1.0	0.5	0.0	0.0
16	11.5	10.5	11.0	7.5	6.0	7.0	2.0	0.5	1.0	0.5	0.0	0.0
17	11.0	10.0	10.5	6.5	5.5	6.0	1.0	0.0	0.5	0.5	0.0	0.0
18	11.0	9.5	10.0	6.0	5.0	5.5	0.5	0.0	0.0	0.5	0.0	0.0
19	10.0	9.0	9.5	5.5	4.0	5.0	2.0	0.0	0.5	0.5	0.0	0.0
20	10.5	8.5	9.5	5.5	4.0	5.0	2.0	0.5	1.5	0.5	0.0	0.0
21	10.0	8.5	9.5	5.5	4.5	5.0	2.0	0.0	0.5	0.5	0.0	0.0
22	9.5	7.5	8.5	6.0	5.0	5.5	2.0	0.0	0.5	0.5	0.0	0.0
23	9.5	8.0	8.5	6.0	4.0	5.0	2.5	0.5	1.5	0.5	0.0	0.0
24	8.5	7.0	8.0	5.0	3.5	4.5	2.5	1.0	1.5	0.5	0.0	0.0
25	8.5	7.5	8.0	5.5	3.5	4.5	2.0	0.0	0.5	0.5	0.0	0.0
26	9.0	7.5	8.0	5.5	3.5	4.5	1.0	0.0	0.0	0.5	0.0	0.0
27	9.0	7.5	8.0	5.0	3.0	4.0	1.5	0.0	0.5	0.5	0.0	0.0
28	8.5	7.5	8.0	4.0	1.0	2.5	1.5	0.0	0.5	0.5	0.0	0.0
29	8.0	6.5	7.0	2.5	1.0	2.0	2.0	0.0	1.0	0.5	0.0	0.0
30	7.0	6.0	6.5	3.0	1.5	2.0	1.5	0.0	0.5	0.5	0.0	0.0
31	7.0	5.0	6.0	---	---	---	2.5	0.5	1.5	0.5	0.0	0.0
MONTH	---	---	---	10.0	1.0	5.4	3.0	0.0	0.7	2.0	0.0	0.3

01432160 DELAWARE RIVER AT BARRYVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.0	0.0	0.0	1.0	0.0	0.5	4.0	2.0	3.0	14.5	11.5	13.0
2	1.0	0.0	0.5	1.5	0.0	0.5	4.5	2.0	3.5	15.0	13.5	14.5
3	2.0	0.0	1.0	1.0	0.0	0.0	5.5	4.0	4.5	14.5	13.0	13.5
4	1.5	0.0	1.0	1.5	0.0	0.5	5.0	3.5	4.5	14.0	11.0	12.5
5	1.0	0.0	0.0	2.0	0.0	1.0	4.0	2.5	3.5	13.0	11.0	12.0
6	1.0	0.0	0.0	1.5	0.0	0.5	4.5	2.0	3.5	11.5	10.0	10.5
7	1.0	0.0	0.0	1.5	0.0	0.5	4.0	2.5	3.5	13.0	9.5	11.5
8	0.5	0.0	0.0	1.5	0.0	0.5	3.0	2.0	2.5	13.5	12.5	13.0
9	1.0	0.0	0.0	1.5	0.0	0.5	3.5	2.0	3.0	14.5	13.0	13.5
10	1.0	0.0	0.0	1.5	0.0	0.0	5.5	3.0	4.5	15.5	13.0	14.0
11	0.5	0.0	0.0	1.5	0.0	0.5	5.5	4.5	5.0	15.5	14.0	15.0
12	0.5	0.0	0.0	2.0	0.0	0.5	8.5	4.5	6.5	14.5	13.5	14.0
13	0.5	0.0	0.0	1.5	0.0	1.0	9.5	6.5	8.0	13.5	12.0	13.0
14	0.5	0.0	0.0	2.0	0.0	1.0	9.5	6.5	8.0	13.0	11.5	12.5
15	1.0	0.0	0.0	3.0	0.0	1.5	11.0	7.0	9.0	13.0	11.0	12.0
16	0.5	0.0	0.0	3.0	0.5	2.0	12.5	9.0	11.0	13.0	12.0	12.5
17	0.5	0.0	0.0	2.5	0.5	1.5	11.0	8.5	10.0	14.5	12.0	13.0
18	1.0	0.0	0.0	2.5	0.0	1.0	8.5	6.5	7.5	16.5	13.0	14.5
19	1.5	0.0	0.5	1.5	0.0	0.5	10.0	6.0	8.0	18.0	14.0	16.0
20	2.0	0.0	1.0	2.5	1.0	1.5	11.5	8.0	10.0	18.0	14.5	16.5
21	2.0	0.0	0.5	3.0	1.0	2.0	12.0	9.5	10.5	16.5	15.0	16.0
22	1.5	0.5	1.0	4.5	2.5	3.5	11.5	9.5	10.5	15.5	13.5	14.5
23	1.5	0.0	1.0	4.5	3.5	4.0	10.5	7.5	9.0	14.0	13.0	13.5
24	1.0	0.0	0.0	5.0	3.0	4.0	10.0	6.5	8.0	14.0	12.5	13.5
25	1.0	0.0	0.0	6.0	4.0	5.0	11.0	7.0	9.0	15.0	13.0	14.0
26	1.0	0.0	0.0	6.0	4.5	5.5	11.0	9.0	10.0	15.0	13.5	14.5
27	1.5	0.0	0.0	6.0	4.0	5.0	13.0	10.0	11.0	16.0	13.5	14.5
28	1.5	0.0	0.5	7.0	4.5	5.5	14.0	11.0	12.5	17.0	14.5	15.5
29	---	---	---	7.5	6.0	7.0	13.5	12.0	13.0	18.0	15.0	16.5
30	---	---	---	7.5	4.5	6.0	13.0	11.5	12.5	19.0	16.0	17.5
31	---	---	---	5.0	3.0	4.0	---	---	---	18.0	16.5	17.5
MONTH	2.0	0.0	0.2	7.5	0.0	2.2	14.0	2.0	7.5	19.0	9.5	14.0
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.5	13.0	15.0	21.5	17.5	19.5	---	---	---	20.5	18.5	19.5
2	14.5	12.5	13.5	21.5	18.0	20.0	---	---	---	18.5	16.5	17.0
3	14.5	13.0	13.5	23.0	19.5	21.0	---	---	---	16.5	16.0	16.5
4	14.0	12.5	13.0	24.0	20.5	22.5	---	---	---	16.5	16.0	16.5
5	14.5	12.5	13.5	25.0	21.0	23.0	---	---	---	17.5	16.0	17.0
6	16.0	13.5	14.5	25.0	22.0	23.5	---	---	---	18.5	17.0	17.5
7	15.0	14.0	14.5	25.0	21.0	23.5	---	---	---	19.0	17.5	18.0
8	14.5	13.5	14.0	25.5	22.0	24.0	---	---	---	19.5	18.0	18.5
9	16.5	14.0	15.0	24.5	23.0	24.0	---	---	---	19.5	18.5	19.0
10	18.5	14.5	16.5	23.5	20.5	22.0	---	---	---	19.5	18.0	18.5
11	17.5	16.5	17.0	22.0	19.5	20.5	---	---	---	19.5	18.0	19.0
12	17.5	16.0	16.5	22.0	19.5	20.5	---	---	---	19.5	18.0	18.5
13	16.5	15.5	16.0	23.0	19.5	21.0	---	---	---	18.5	17.5	18.0
14	18.0	15.5	16.5	23.5	20.0	21.5	---	---	---	20.0	17.5	19.0
15	19.0	16.5	17.5	24.5	19.5	22.0	---	---	---	20.0	19.0	19.5
16	18.5	16.0	17.5	25.5	21.5	23.5	---	---	---	19.5	18.5	19.0
17	19.0	16.5	17.5	25.5	21.0	23.0	---	---	---	19.5	18.0	18.5
18	18.0	16.5	17.0	---	---	---	---	---	---	18.5	17.5	18.0
19	18.5	16.0	17.0	---	---	---	---	---	---	19.0	17.5	18.5
20	18.0	16.0	17.0	---	---	---	---	---	---	19.5	18.0	18.5
21	16.5	15.0	16.0	---	---	---	---	---	---	19.5	18.0	18.5
22	15.5	14.5	15.0	---	---	---	25.0	22.0	23.5	18.5	17.5	18.0
23	18.0	14.5	16.0	---	---	---	24.5	22.0	23.0	18.5	17.0	18.0
24	19.5	16.5	17.5	---	---	---	22.5	20.5	22.0	17.0	16.5	17.0
25	20.5	17.0	18.5	---	---	---	23.0	21.0	22.0	17.0	16.0	16.5
26	21.5	18.5	20.0	---	---	---	23.0	21.0	22.0	17.0	16.0	16.5
27	22.0	19.5	20.5	---	---	---	24.0	21.0	22.5	18.0	17.0	17.5
28	21.5	19.0	20.5	---	---	---	24.5	20.5	22.5	17.5	16.5	17.0
29	20.5	18.0	19.5	---	---	---	24.5	21.5	23.0	16.5	15.5	16.0
30	20.5	18.5	19.5	---	---	---	23.0	20.5	22.0	15.5	14.5	15.0
31	---	---	---	---	---	---	21.5	19.5	20.5	---	---	---
MONTH	22.0	12.5	16.5	---	---	---	---	---	---	20.5	14.5	17.8

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, 1992-2003) 31.5°C, July 5, 1999; minimum (water years 1974, 1977-78, 1980, 1983-2003), 0.0°C on many days during winter periods, except 1978, 1980, 1985.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 26.5°C, July 21; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.5	16.5	17.5	6.5	5.5	6.0	2.0	1.0	2.0	1.5	1.5	1.5
2	21.5	17.5	19.0	5.5	5.0	5.5	1.5	1.0	1.5	1.5	1.0	1.5
3	20.5	19.0	20.0	5.0	4.5	5.0	1.5	0.0	0.5	1.0	0.5	0.5
4	19.5	18.0	18.5	5.0	4.5	5.0	0.0	0.0	0.0	0.5	0.0	0.5
5	20.0	18.0	18.5	5.5	4.5	5.0	0.0	0.0	0.0	1.0	0.5	1.0
6	19.5	17.5	18.5	6.0	5.0	5.5	0.5	0.0	0.0	1.0	0.5	1.0
7	18.5	17.0	18.0	6.0	5.0	5.5	0.5	0.0	0.0	1.0	0.5	0.5
8	17.5	15.5	16.5	5.5	4.5	5.0	0.5	0.0	0.0	1.0	0.0	0.5
9	16.0	15.0	15.5	6.0	5.5	5.5	0.0	0.0	0.0	1.5	1.0	1.0
10	15.5	15.0	15.5	7.5	6.0	6.5	0.5	0.0	0.0	1.5	1.0	1.5
11	15.0	14.0	15.0	9.5	7.5	8.5	0.0	0.0	0.0	1.0	0.0	0.5
12	14.5	14.0	14.0	9.5	9.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0
13	14.0	14.0	14.0	9.0	8.5	9.0	0.5	0.0	0.5	0.0	0.0	0.0
14	14.0	12.5	13.0	8.5	7.5	8.0	1.5	0.5	1.0	0.0	0.0	0.0
15	12.5	11.5	12.0	8.0	7.5	8.0	1.0	1.0	1.0	0.0	0.0	0.0
16	11.5	10.5	11.0	8.0	7.0	7.5	1.0	0.5	1.0	0.0	0.0	0.0
17	10.5	10.5	10.5	7.0	6.0	6.5	0.5	0.0	0.0	0.0	0.0	0.0
18	10.5	10.0	10.5	6.0	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
19	10.0	9.5	10.0	5.5	4.5	5.0	1.0	0.0	0.5	0.0	0.0	0.0
20	10.0	9.0	9.5	5.0	4.5	5.0	1.5	1.0	1.5	0.0	0.0	0.0
21	10.0	9.0	9.5	5.0	5.0	5.0	1.5	0.0	1.0	0.0	0.0	0.0
22	9.5	8.5	9.0	5.5	5.0	5.5	1.0	0.0	0.5	0.0	0.0	0.0
23	9.5	8.5	9.0	5.5	4.5	5.0	1.5	1.0	1.5	0.0	0.0	0.0
24	9.0	7.5	8.5	4.5	4.5	4.5	2.0	1.5	1.5	0.0	0.0	0.0
25	8.5	8.0	8.0	4.5	4.0	4.5	1.5	0.0	1.0	0.0	0.0	0.0
26	8.5	8.0	8.0	4.5	4.5	4.5	0.5	0.0	0.0	0.0	0.0	0.0
27	8.5	8.0	8.5	4.5	3.5	4.0	0.5	0.5	0.5	0.0	0.0	0.0
28	8.5	8.0	8.5	3.5	2.0	3.0	0.5	0.0	0.5	0.0	0.0	0.0
29	8.0	7.0	7.5	2.0	1.5	2.0	1.0	0.5	1.0	0.0	0.0	0.0
30	7.0	6.5	6.5	2.5	1.5	2.0	1.0	0.5	0.5	0.0	0.0	0.0
31	7.0	6.0	6.5	---	---	---	1.5	1.0	1.0	0.0	0.0	0.0
MONTH	21.5	6.0	12.5	9.5	1.5	5.6	2.0	0.0	0.6	1.5	0.0	0.3

01432805 DELAWARE RIVER AT POND EDDY, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.5	0.0	0.5	4.0	2.5	3.0	14.0	12.0	13.0
2	0.0	0.0	0.0	0.5	0.0	0.5	4.5	2.5	3.0	15.0	13.5	14.5
3	0.0	0.0	0.0	0.5	0.0	0.0	5.0	4.0	4.5	14.5	13.5	14.0
4	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.0	4.5	13.5	12.0	12.5
5	0.0	0.0	0.0	0.5	0.0	0.5	4.0	3.0	3.5	13.0	11.5	12.0
6	0.0	0.0	0.0	0.5	0.0	0.0	4.0	2.5	3.0	11.5	10.5	11.0
7	0.0	0.0	0.0	0.5	0.0	0.0	3.5	3.0	3.5	12.5	10.0	11.5
8	0.0	0.0	0.0	1.0	0.0	0.5	3.0	2.5	2.5	13.0	12.5	12.5
9	0.0	0.0	0.0	1.0	0.0	0.5	3.5	2.5	3.0	14.5	13.0	13.5
10	0.0	0.0	0.0	0.5	0.0	0.0	5.5	3.5	4.5	15.5	13.0	14.0
11	0.0	0.0	0.0	0.5	0.0	0.0	5.5	5.0	5.0	15.0	14.5	15.0
12	0.0	0.0	0.0	0.5	0.0	0.5	7.5	5.5	6.5	15.0	14.0	14.5
13	0.0	0.0	0.0	1.0	0.5	0.5	9.0	7.0	8.0	14.0	12.5	13.0
14	0.0	0.0	0.0	1.5	0.0	0.5	9.0	7.5	8.5	13.0	12.0	12.5
15	0.0	0.0	0.0	2.5	0.5	1.5	10.5	8.0	9.5	13.0	11.0	12.5
16	0.0	0.0	0.0	3.0	0.5	2.0	12.5	10.0	11.0	13.0	12.0	12.5
17	0.0	0.0	0.0	2.5	1.0	1.5	12.0	9.0	10.5	14.5	12.0	13.0
18	0.0	0.0	0.0	1.5	0.5	1.0	9.0	7.5	8.0	16.0	13.0	14.5
19	0.0	0.0	0.0	1.5	0.0	0.5	9.0	6.5	8.0	17.5	14.5	16.0
20	0.0	0.0	0.0	2.0	0.5	1.5	11.0	8.0	9.5	18.0	15.5	17.0
21	0.0	0.0	0.0	3.0	1.5	2.0	11.5	10.0	11.0	17.5	16.0	16.5
22	0.0	0.0	0.0	4.0	3.0	3.5	11.5	10.5	11.0	16.0	14.5	15.0
23	0.5	0.0	0.0	4.5	4.0	4.0	11.0	8.5	9.5	14.5	14.0	14.0
24	0.0	0.0	0.0	4.5	3.5	4.0	9.5	7.5	8.5	14.0	13.5	13.5
25	0.0	0.0	0.0	6.0	4.0	5.0	10.5	8.0	9.5	14.5	13.5	14.0
26	0.0	0.0	0.0	6.0	5.0	5.5	10.5	9.5	10.0	14.5	14.0	14.5
27	0.0	0.0	0.0	5.5	4.5	5.0	12.5	10.5	11.5	15.5	14.0	15.0
28	0.5	0.0	0.0	6.5	5.0	6.0	13.5	11.0	12.5	17.0	15.0	16.0
29	---	---	---	7.5	6.5	7.0	13.5	12.5	13.0	17.5	15.5	16.5
30	---	---	---	7.5	5.0	6.5	13.5	12.0	12.5	19.5	16.5	18.0
31	---	---	---	5.0	3.5	4.0	---	---	---	18.5	17.0	17.5
MONTH	0.5	0.0	0.0	7.5	0.0	2.1	13.5	2.5	7.6	19.5	10.0	14.2
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	13.5	15.5	21.0	19.0	20.0	22.5	22.0	22.5	21.0	19.0	20.0
2	14.5	13.0	14.0	21.0	19.5	20.5	24.5	21.5	23.0	19.0	16.5	17.5
3	14.0	13.5	14.0	22.5	20.0	21.0	24.5	23.5	24.0	16.5	16.0	16.0
4	14.0	13.5	13.5	24.0	21.0	22.5	24.5	23.5	24.0	16.5	16.0	16.0
5	14.5	13.0	13.5	24.5	22.0	23.0	24.0	23.0	23.0	17.5	16.0	16.5
6	16.0	14.0	15.0	25.0	22.5	24.0	23.0	21.5	22.5	18.5	17.0	17.5
7	16.0	14.5	15.0	24.0	22.5	23.5	22.5	21.0	22.0	19.0	17.5	18.5
8	15.0	14.5	15.0	25.0	23.5	24.0	23.5	21.5	22.5	19.5	18.5	19.0
9	16.5	14.5	15.5	24.5	23.0	23.5	23.5	22.0	23.0	19.5	18.5	19.0
10	18.5	15.5	17.0	23.5	22.0	22.5	24.0	22.0	23.0	19.5	18.0	19.0
11	18.0	17.5	17.5	22.0	20.5	21.0	23.0	22.0	22.5	20.0	18.5	19.0
12	18.0	17.0	17.5	22.0	20.0	21.0	23.0	21.0	21.5	19.5	18.5	19.0
13	17.5	16.5	17.0	23.0	20.5	21.5	22.0	21.0	21.5	19.0	18.0	18.0
14	18.0	16.5	17.0	24.0	21.0	22.0	22.5	21.0	22.0	20.0	18.0	19.0
15	18.5	17.0	18.0	24.5	21.0	22.5	22.5	20.5	21.5	20.5	19.5	20.0
16	18.5	17.0	17.5	25.0	22.5	23.5	22.5	21.5	22.0	19.5	19.0	19.5
17	18.5	17.0	18.0	25.0	22.5	23.5	22.0	20.5	21.5	19.0	18.0	18.5
18	18.5	17.5	18.0	24.0	22.0	22.5	22.0	20.0	21.0	18.5	18.0	18.0
19	18.5	17.0	17.5	24.5	20.5	22.5	23.0	20.5	21.5	19.0	17.5	18.0
20	18.5	17.0	17.5	25.5	22.0	23.5	23.5	21.5	22.5	19.5	18.0	19.0
21	17.0	15.5	16.5	26.5	23.0	24.5	24.5	22.5	23.5	19.5	18.0	18.5
22	15.5	15.5	15.5	24.5	23.0	23.5	25.0	23.5	24.0	19.0	17.5	18.0
23	17.5	15.0	16.5	23.0	21.5	22.0	25.0	22.5	23.5	18.5	17.0	18.0
24	19.5	17.0	18.5	23.0	20.5	22.0	24.0	21.0	22.5	17.0	16.5	16.5
25	20.5	18.5	19.5	24.0	21.0	22.5	24.5	21.0	22.5	16.5	15.5	16.0
26	22.0	20.0	21.0	24.0	22.0	23.0	23.5	21.5	22.5	17.0	16.0	16.5
27	22.5	21.0	21.5	24.5	23.0	24.0	24.5	21.5	23.0	18.0	16.5	17.5
28	22.0	20.0	21.0	25.0	22.5	23.5	25.0	22.0	23.0	17.5	17.0	17.5
29	21.5	19.5	20.5	24.0	21.5	23.0	24.0	21.5	22.5	17.0	15.5	16.0
30	21.0	19.5	20.0	23.5	22.0	23.0	23.0	21.5	22.5	15.5	15.0	15.0
31	---	---	---	23.5	22.0	22.5	22.5	20.0	21.5	---	---	---
MONTH	22.5	13.0	17.1	26.5	19.0	22.6	25.0	20.0	22.5	21.0	15.0	17.9
YEAR	26.5	0.0	10.3									

01432900 MONGAUP RIVER AT MONGAUP VALLEY, NY

LOCATION.--Lat 41°40'06", long 74°46'53", Sullivan County, Hydrologic Unit 02040104, on right bank about 400 ft upstream from bridge on Route 17B, and about 700 ft upstream from Creamery Brook, in Mongaup Valley.

DRAINAGE AREA.--76.6 mi^2.

PERIOD OF RECORD.--October 2002 to September 2003. (Occassional low-flow and/or miscellaneous discharge measurements, water years 1949, 1957-61, 1965, 1970, 1973-74.)

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,180 ft above NGVD of 1929, from topographic map.

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, 1,680 ft^3/s, Sept. 23, 2003, gage height, 6.73 ft; minimum discharge, 28 ft^3/s, Oct. 10, 2002, July 21, 2003, gage height, 2.91 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)
Oct 16	2115	1,190	5.91	Sep 2	1015	1,490	6.42
Jan 2	0615	1,130	5.80	Sep 23	1230	*1,680	*6.73
Mar 21	2030	1,530	6.49	Sep 28	0845	1,100	5.75
Mar 29	2000	1,160	5.85				

Minimum discharge, 28 ft^3/s, Oct. 10, July 21, gage height, 2.91 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	113	150	214	e76	106	331	72	461	81	70	71
2	57	106	134	820	e74	140	308	110	304	72	118	1,000
3	48	99	123	473	72	207	311	110	207	67	77	674
4	44	93	e120	371	117	e170	269	94	202	61	117	781
5	48	88	108	308	151	140	254	87	183	57	108	437
6	42	163	e100	266	e110	131	241	87	156	53	154	284
7	37	148	e100	231	e100	e120	225	87	188	54	107	209
8	34	120	e100	218	e92	117	205	95	225	64	84	166
9	30	108	e96	204	e84	117	196	92	176	61	76	140
10	31	100	e90	198	e78	e120	207	83	146	60	165	119
11	113	98	87	188	e74	e110	280	82	133	58	279	103
12	533	114	138	e170	e68	98	411	104	140	55	270	92
13	300	200	144	e160	e66	97	291	94	291	47	173	85
14	212	150	e240	e150	e64	e96	232	86	262	44	123	88
15	151	131	328	e140	e60	101	204	78	192	40	97	100
16	453	128	253	e130	e56	159	185	71	152	39	87	107
17	641	558	204	e120	e56	371	e170	66	130	37	97	90
18	355	602	187	e110	e60	674	e160	62	127	36	97	71
19	252	405	159	e100	e58	688	e150	57	123	36	102	147
20	202	318	339	e96	e62	624	e150	54	133	32	80	153
21	165	283	399	e90	64	1,380	e140	74	289	32	69	108
22	141	346	287	e88	84	1,220	132	67	459	166	61	90
23	125	443	245	e86	233	932	125	62	384	128	53	820
24	110	305	209	e84	211	669	115	74	248	97	46	536
25	101	255	e200	e84	172	537	101	93	185	86	42	318
26	222	220	e190	e82	e130	472	98	206	150	66	41	241
27	198	204	181	e82	e110	408	109	201	133	57	39	202
28	167	180	164	e80	116	328	89	151	112	52	36	782
29	167	164	152	e78	---	527	79	145	100	44	34	541
30	143	157	141	e78	---	687	73	119	92	39	43	365
31	126	---	155	e78	---	443	---	160	---	35	38	---
TOTAL	5,317	6,399	5,523	5,577	2,698	11,989	5,841	3,023	6,083	1,856	2,983	8,920
MEAN	172	213	178	180	96.4	387	195	97.5	203	59.9	96.2	297
MAX	641	602	399	820	233	1,380	411	206	461	166	279	1,000
MIN	30	88	87	78	56	96	73	54	92	32	34	71
CFSM	2.24	2.78	2.33	2.35	1.26	5.05	2.54	1.27	2.65	0.78	1.26	3.88
IN.	2.58	3.11	2.68	2.71	1.31	5.82	2.84	1.47	2.95	0.90	1.45	4.33

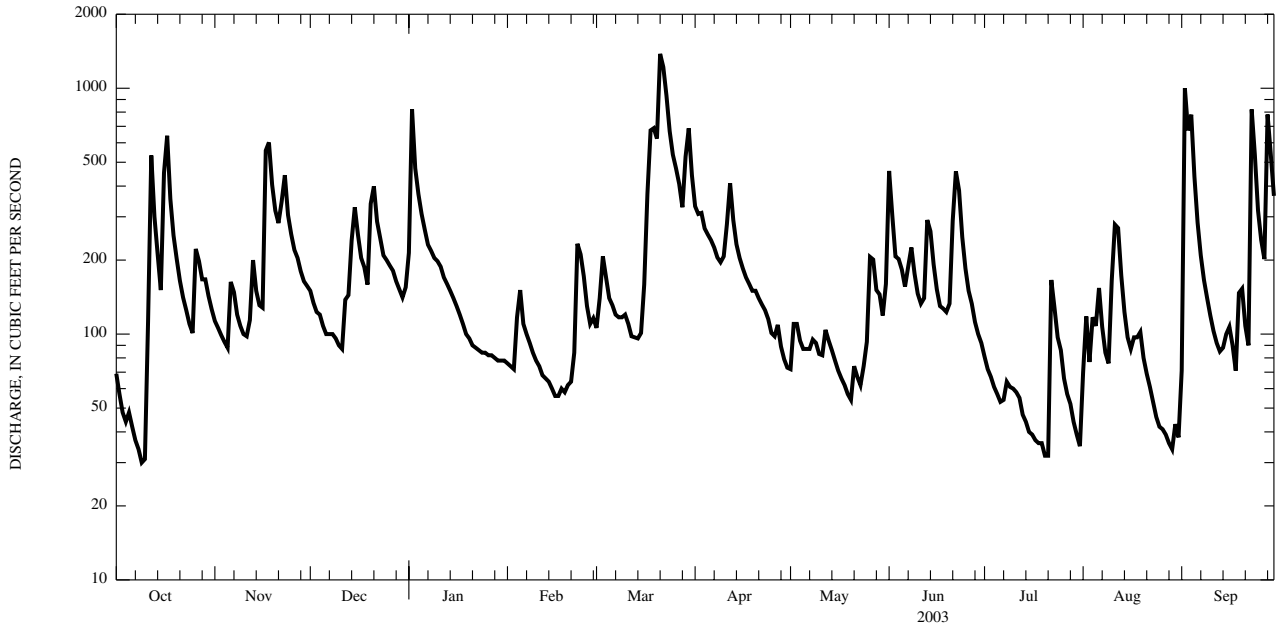
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	172	213	178	180	96.4	387	195	97.5	203	59.9	96.2	297
MAX	172	213	178	180	96.4	387	195	97.5	203	59.9	96.2	297
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	172	213	178	180	96.4	387	195	97.5	203	59.9	96.2	297
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)

01432900 MONGAUP RIVER AT MONGAUP VALLEY, NY—Continued

SUMMARY STATISTICS	FOR 2003 WATER YEAR	
ANNUAL TOTAL	66,209	
ANNUAL MEAN	181	
HIGHEST DAILY MEAN	1,380	Mar 21
LOWEST DAILY MEAN	30	Oct 9
ANNUAL SEVEN-DAY MINIMUM	36	Jul 15
ANNUAL RUNOFF (CFSM)	2.37	
ANNUAL RUNOFF (INCHES)	32.15	
10 PERCENT EXCEEDS	371	
50 PERCENT EXCEEDS	123	
90 PERCENT EXCEEDS	57	

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

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, NY and Matamoras, PA, 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.

DRAINAGE AREA.--3,070 mi^2.

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, 46,500 ft^3/s, Mar. 22, gage height, 10.51 ft; minimum discharge, 977 ft^3/s, Oct. 3, gage height, 1.93 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,430	2,950	4,210	e5,000	e2,300	e2,500	16,000	5,240	10,100	5,180	2,370	1,970
2	1,190	2,890	e3,800	14,800	e2,200	e2,400	14,000	5,170	16,700	4,760	2,840	13,200
3	1,140	2,730	e3,200	15,800	e2,300	e2,400	13,500	8,510	12,300	4,110	3,720	25,300
4	1,370	2,380	e2,300	11,700	e2,400	e2,400	12,500	9,050	10,900	3,410	3,520	31,700
5	1,840	2,250	e2,100	9,600	e2,500	e2,300	12,200	7,800	10,200	3,320	5,720	31,900
6	1,730	2,460	e2,200	8,440	e2,300	e2,300	12,400	6,920	9,040	3,330	7,070	20,100
7	1,690	3,730	e2,100	7,540	e2,100	e2,200	12,000	6,190	8,290	3,070	7,080	14,100
8	1,740	3,660	e1,900	e5,800	e2,000	e2,200	11,300	5,520	9,750	2,870	5,460	11,100
9	1,540	3,090	e1,800	e4,700	e1,800	e2,100	10,500	5,180	8,390	2,650	5,830	8,830
10	1,710	2,560	e1,600	e4,000	e1,700	e2,100	9,800	4,440	7,210	2,540	5,760	7,450
11	2,100	2,530	e1,400	e3,700	e1,700	e2,100	9,860	3,880	6,430	2,610	5,820	6,600
12	7,980	2,600	e1,500	e3,500	e1,700	e2,100	10,300	4,310	6,800	4,090	13,400	5,570
13	11,700	4,070	e2,100	e3,000	e1,700	e2,000	9,520	5,560	8,760	2,740	10,500	4,300
14	7,270	5,070	5,700	e2,700	e1,700	e2,000	8,670	5,250	11,200	2,340	9,100	3,880
15	5,260	4,370	7,510	e2,500	e1,600	e2,000	8,040	4,980	14,000	2,510	8,320	5,360
16	5,090	4,270	7,410	e2,400	e1,500	e2,600	7,450	4,610	10,800	2,160	6,850	13,300
17	20,300	8,130	6,340	e2,300	e1,500	6,420	6,860	4,310	8,780	2,260	4,970	10,800
18	14,700	14,200	5,270	e2,400	e1,500	13,900	6,330	3,840	7,770	2,430	4,650	8,670
19	9,330	12,400	4,590	e2,500	e1,500	24,300	5,590	3,560	7,230	2,200	4,180	8,180
20	7,030	9,680	5,310	e2,600	e1,500	21,200	4,950	3,450	6,330	1,840	3,760	7,640
21	5,650	8,570	10,300	e2,600	e1,600	36,500	4,830	3,250	11,800	1,930	3,430	6,510
22	4,640	8,250	9,150	e2,600	e1,800	45,600	5,140	3,100	19,500	2,690	3,140	5,530
23	3,900	9,620	8,030	e2,500	e2,500	41,900	5,090	3,000	18,800	5,120	2,570	13,000
24	3,070	9,480	7,050	e2,500	e2,700	30,700	4,860	2,690	14,500	5,170	2,020	23,900
25	2,940	8,110	e6,200	e2,400	e2,900	23,900	4,290	2,780	11,000	4,130	2,080	15,700
26	3,590	7,040	e5,000	e2,400	e3,000	21,300	3,970	3,630	9,230	3,090	2,530	12,500
27	5,820	6,460	e5,200	e2,400	e3,100	19,300	6,110	4,890	8,070	2,880	2,320	10,100
28	4,840	5,740	e4,800	e2,400	e2,800	15,800	6,990	4,610	7,190	3,300	2,270	11,600
29	3,950	4,860	e4,500	e2,400	---	14,300	6,210	4,290	6,170	3,370	1,840	17,600
30	3,530	4,420	e4,300	e2,400	---	18,700	5,590	3,920	5,670	3,100	2,360	13,700
31	3,200	---	e4,200	e2,400	---	18,800	---	3,480	---	3,010	1,980	---
TOTAL	151,270	168,570	141,070	141,980	57,900	388,320	254,850	147,410	302,910	98,210	147,460	370,090
MEAN	4,880	5,619	4,551	4,580	2,068	12,530	8,495	4,755	10,100	3,168	4,757	12,340
MAX	20,300	14,200	10,300	15,800	3,100	45,600	16,000	9,050	19,500	5,180	13,400	31,900
MIN	1,140	2,250	1,400	2,300	1,500	2,000	3,970	2,690	5,670	1,840	1,840	1,970

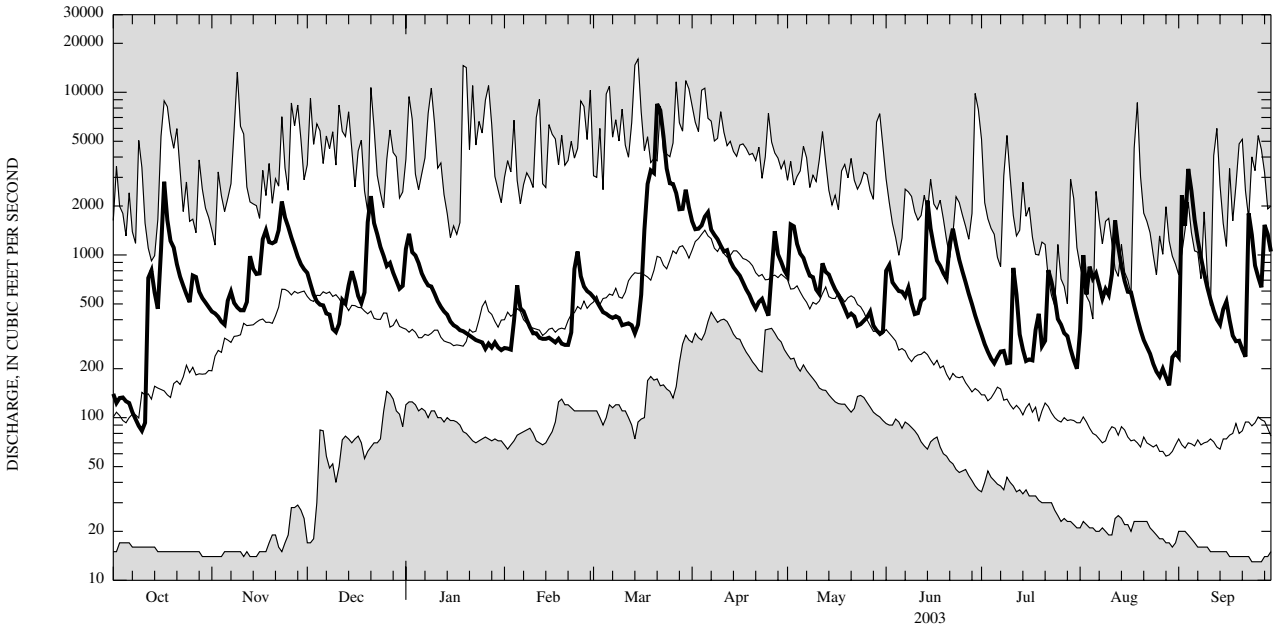
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	2,981	4,026	5,052	4,704	4,997	8,040	9,380	6,100	4,102	2,684	2,277	2,629
MAX	10,440	10,310	17,280	12,980	13,730	17,520	23,650	12,670	12,650	6,680	4,757	12,340
(WY)	(1978)	(1973)	(1997)	(1996)	(1976)	(1977)	(1993)	(1984)	(1972)	(1973)	(2003)	(2003)
MIN	1,001	884	1,475	1,216	1,601	2,583	2,954	1,890	993	699	963	1,144
(WY)	(1965)	(1965)	(1999)	(1981)	(1980)	(1981)	(1985)	(1995)	(1965)	(1965)	(1965)	(1965)

01434000 DELAWARE RIVER AT PORT JERVIS, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	1,469,665		2,370,040			
ANNUAL MEAN	4,026		6,493		4,743	
HIGHEST ANNUAL MEAN					7,216	1973
LOWEST ANNUAL MEAN					2,028	1965
HIGHEST DAILY MEAN	23,900	May 14	45,600	Mar 22	95,200	Jan 20, 1996
LOWEST DAILY MEAN	666	Jan 20	1,140	Oct 3	385	Jul 6, 1965
ANNUAL SEVEN-DAY MINIMUM	842	Jan 16	1,480	Oct 1	432	Jul 1, 1965
10 PERCENT EXCEEDS	8,470		13,400		10,300	
50 PERCENT EXCEEDS	2,690		4,610		2,830	
90 PERCENT EXCEEDS	1,430		2,000		1,500	

e Estimated



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.

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)
Oct 12	0715	a579	4.17	Jun 1	0645	a920	4.77
Oct 16	1900	a522	4.05	Sep 23	0745	a1,050	4.96
Mar 29	1630	a1,390	b5.40	Sep 28	0000	a*2,170	c*6.22

a From rating curve extended as explained above.
b Recorded; outside gage height was 5.11 ft, from crest-stage gage.
c Recorded; outside gage height was 5.96 ft, from crest-stage gage.

Minimum discharge, 6.8 ft^3/s, Oct. 4, gage height, 1.60 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	21	23	31	11	11	68	26	395	21	22	23
2	7.7	20	21	46	10	19	60	34	111	20	25	193
3	7.3	19	e20	e28	10	e16	57	31	66	19	115	64
4	8.0	18	e19	e27	e24	e15	51	26	54	18	172	132
5	34	18	e18	25	14	e14	46	24	47	17	136	58
6	17	28	e17	24	e12	14	41	23	40	16	91	42
7	13	22	e16	e23	e10	e14	37	21	43	20	60	34
8	11	19	e15	e22	e9.4	14	35	21	39	18	46	30
9	9.9	20	e15	22	e9.0	13	32	21	37	21	45	27
10	9.9	24	e14	21	e8.8	e13	33	20	35	17	119	25
11	37	32	e14	e20	e8.6	e13	41	31	33	18	76	23
12	405	39	e14	e20	e8.6	13	70	43	33	16	62	21
13	157	51	14	e19	e8.8	12	53	29	73	14	49	23
14	73	34	27	e18	e9.4	12	45	25	55	13	40	27
15	46	29	19	e18	e9.6	12	55	24	42	12	34	65
16	189	28	e15	e17	e9.0	15	80	23	36	13	38	51
17	131	61	e13	e16	e9.4	29	60	22	33	11	35	33
18	64	62	e13	e15	e9.0	56	44	21	32	12	30	27
19	49	42	e13	e14	e8.6	51	38	20	30	11	27	87
20	42	38	112	e14	e8.0	72	35	19	31	10	24	69
21	34	39	62	e14	e8.0	322	34	21	38	12	22	45
22	30	62	35	e13	e14	228	38	19	74	30	21	38
23	27	68	29	e13	e24	143	35	19	51	21	19	352
24	24	43	25	e13	e17	94	29	30	36	19	18	98
25	22	37	e24	e13	e13	94	26	36	31	18	17	64
26	56	34	e23	e13	e12	113	45	75	29	13	17	53
27	39	31	e22	e12	e12	96	46	56	27	12	16	120
28	29	28	21	e12	e12	80	34	61	25	11	15	497
29	26	26	20	12	---	373	31	52	24	10	16	110
30	24	25	19	11	---	193	28	42	23	10	18	71
31	23	---	23	11	---	93	---	54	---	9.5	14	---
TOTAL	1,653.9	1,018	735	577	319.2	2,257	1,327	969	1,623	482.5	1,439	2,502
MEAN	53.4	33.9	23.7	18.6	11.4	72.8	44.2	31.3	54.1	15.6	46.4	83.4
MAX	405	68	112	46	24	373	80	75	395	30	172	497
MIN	7.3	18	13	11	8.0	11	26	19	23	9.5	14	21
CFSM	5.97	3.80	2.66	2.08	1.28	8.15	4.95	3.50	6.06	1.74	5.20	9.34
IN.	6.89	4.24	3.06	2.40	1.33	9.40	5.53	4.04	6.76	2.01	5.99	10.42

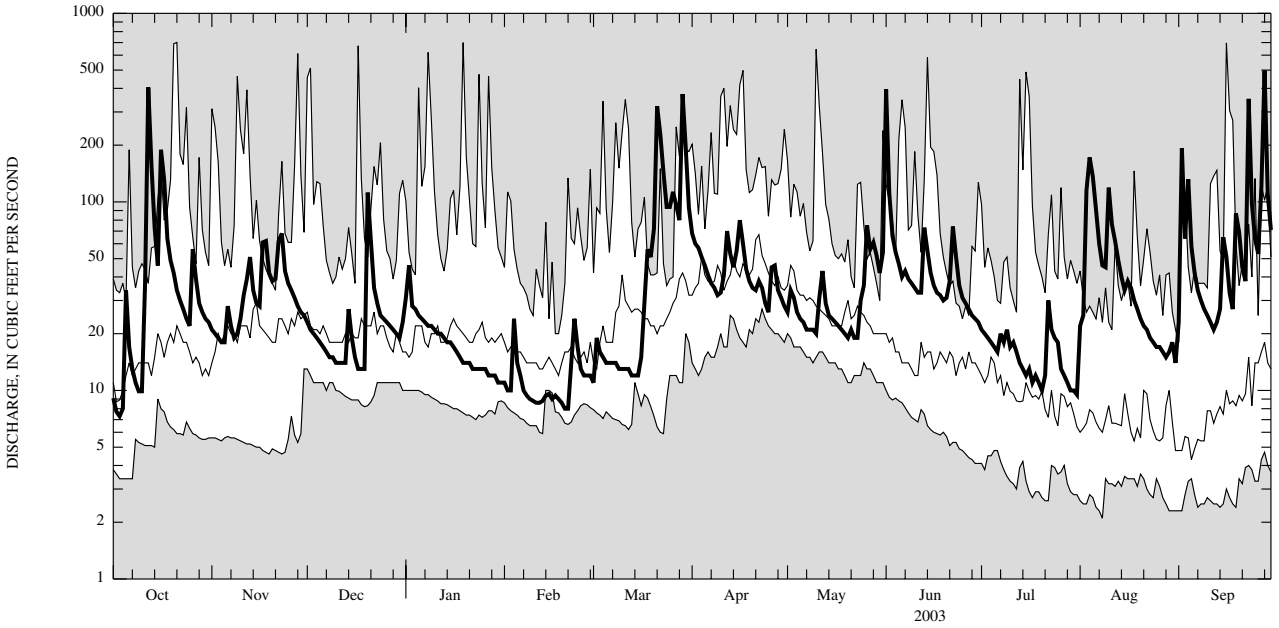
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2003, BY WATER YEAR (WY)

MEAN	28.6	33.7	31.3	32.6	18.3	40.0	61.8	34.6	28.5	18.8	14.2	24.4
MAX	69.7	58.7	79.8	72.6	37.0	72.8	139	78.7	63.7	63.0	46.4	83.4
(WY)	(1996)	(1996)	(1997)	(1996)	(1996)	(2003)	(1993)	(1998)	(1998)	(1996)	(2003)	(2003)
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)

0143400680 EAST BRANCH NEVERSINK RIVER NORTHEAST OF DENNING, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1991 - 2003	
ANNUAL TOTAL	9,236.1		14,902.6			
ANNUAL MEAN	25.3		40.8		30.6	
HIGHEST ANNUAL MEAN					47.1	1996
LOWEST ANNUAL MEAN					18.8	2002
HIGHEST DAILY MEAN	405	Oct 12	497	Sep 28	701	Oct 21, 1995
LOWEST DAILY MEAN	2.4	Sep 14	7.3	Oct 3	2.1	Aug 8, 1991
ANNUAL SEVEN-DAY MINIMUM	2.6	Sep 8	8.8	Feb 15	2.4	Aug 27, 1993
ANNUAL RUNOFF (CFSM)	2.83		4.57		3.42	
ANNUAL RUNOFF (INCHES)	38.48		62.08		46.53	
10 PERCENT EXCEEDS	48		73		56	
50 PERCENT EXCEEDS	19		25		19	
90 PERCENT EXCEEDS	4.3		12		5.7	

e Estimated



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. Satellite gage-height telemeter at station.

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)
Mar 21	0200	1,120	8.62	Sep 2	0815	1,260	8.84
Mar 29	1730	1,700	9.46	Sep 23	0900	2,060	9.91
Jun 1	0745	1,350	8.97	Sep 28	0115	*2,270	*10.16

Minimum discharge, 16 ft^3/s, Oct. 2, 3, 4; minimum gage height, 5.56 ft, Oct. 3, 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	49	57	80	e26	e33	145	50	593	43	72	53
2	18	46	53	148	e25	e49	128	67	216	41	70	474
3	17	44	e44	86	e26	e52	125	60	138	38	182	171
4	18	42	e44	76	e41	e44	111	51	117	38	381	326
5	64	42	e46	67	e39	e42	97	48	100	36	327	153
6	37	74	e46	63	e28	e39	87	47	85	33	236	104
7	29	60	e40	60	e27	e39	79	45	93	48	148	82
8	24	49	e40	64	e27	e35	73	44	88	47	107	70
9	21	49	e32	57	e26	e35	68	46	84	49	98	63
10	22	52	e32	53	e25	e36	71	42	84	42	316	57
11	52	59	e39	e48	e24	e33	89	64	77	41	212	53
12	594	74	e45	e44	e23	e33	127	94	76	37	182	49
13	256	104	41	e40	e23	32	100	63	173	32	142	49
14	144	74	71	e40	e23	e34	85	57	133	28	104	55
15	94	64	56	e36	e22	31	89	53	97	26	85	185
16	254	64	45	e36	e22	40	117	50	82	30	93	111
17	236	178	e36	e36	e23	79	99	48	73	25	100	75
18	126	170	e33	e36	e24	159	75	46	73	24	79	62
19	98	112	e44	e36	e23	146	67	44	67	23	67	148
20	85	99	195	e36	e22	172	63	42	68	21	58	142
21	70	97	150	e36	e23	720	62	48	83	23	54	92
22	61	130	91	e36	e31	471	67	43	155	74	50	79
23	56	154	74	e36	e68	299	63	42	111	50	46	798
24	51	104	65	e35	e50	212	56	61	77	40	42	237
25	47	90	59	e36	e34	206	52	74	66	38	40	155
26	119	81	e58	e35	e34	222	73	140	60	31	39	126
27	87	76	58	e34	e33	195	81	112	56	36	37	123
28	65	68	54	e33	e32	162	60	116	52	36	35	912
29	59	65	51	e31	---	556	55	98	50	33	35	234
30	55	61	47	e29	---	360	52	79	47	31	46	155
31	52	---	59	e27	---	194	---	103	---	30	35	---
TOTAL	2,931	2,431	1,805	1,510	824	4,760	2,516	1,977	3,274	1,124	3,518	5,393
MEAN	94.5	81.0	58.2	48.7	29.4	154	83.9	63.8	109	36.3	113	180
MAX	594	178	195	148	68	720	145	140	593	74	381	912
MIN	17	42	32	27	22	31	52	42	47	21	35	49
CFSM	4.13	3.54	2.54	2.13	1.29	6.71	3.66	2.78	4.77	1.58	4.96	7.85
IN.	4.76	3.95	2.93	2.45	1.34	7.73	4.09	3.21	5.32	1.83	5.71	8.76

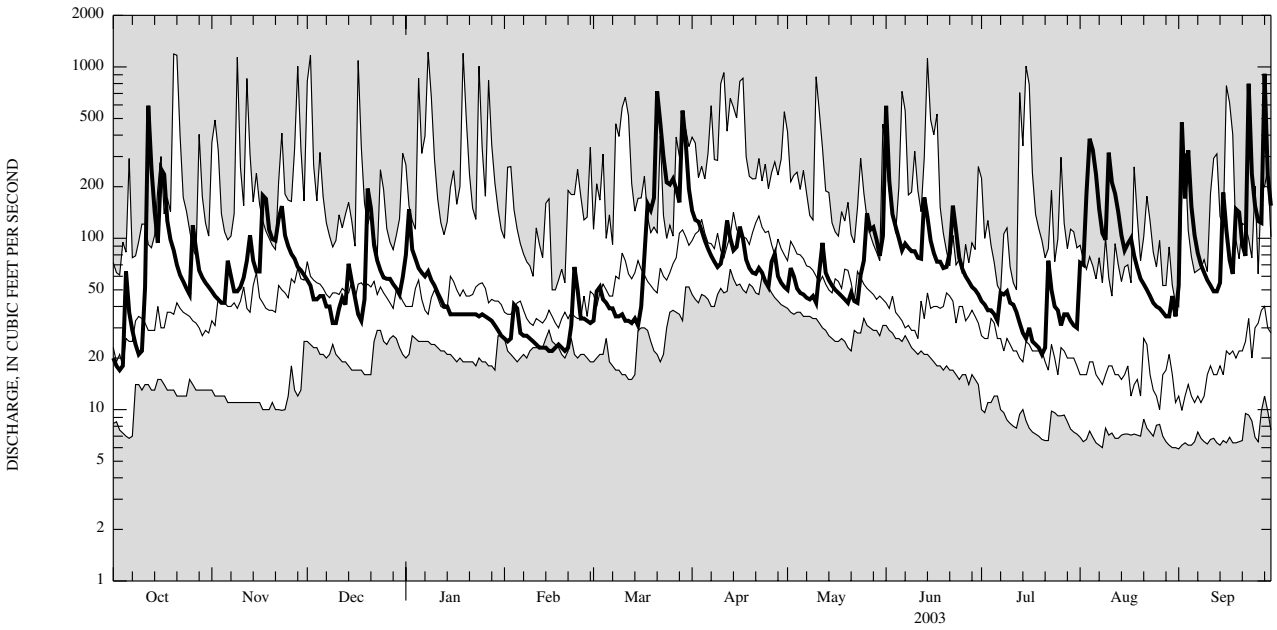
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2003, BY WATER YEAR (WY)

MEAN	56.0	74.4	70.5	78.0	46.2	93.2	140	75.1	66.3	42.2	32.0	49.0
MAX	134	134	181	159	86.9	154	301	143	135	137	113	180
(WY)	(1996)	(1996)	(1997)	(1996)	(1996)	(2003)	(1993)	(1998)	(1998)	(1996)	(2003)	(2003)
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)

01434017 EAST BRANCH NEVERSINK RIVER NEAR CLARYVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1991 - 2003	
ANNUAL TOTAL	20,594.5		32,063			
ANNUAL MEAN	56.4		87.8		69.1	
HIGHEST ANNUAL MEAN					101	1996
LOWEST ANNUAL MEAN					43.1	2002
HIGHEST DAILY MEAN	594	Oct 12	912	Sep 28	1,220	Jan 8, 1998
LOWEST DAILY MEAN	6.3	Sep 10	17	Oct 3	5.9	Sep 1, 1993
ANNUAL SEVEN-DAY MINIMUM	6.9	Sep 8	23	Feb 14	6.3	Aug 27, 1993
ANNUAL RUNOFF (CFSM)	2.46		3.84		3.02	
ANNUAL RUNOFF (INCHES)	33.45		52.08		41.02	
10 PERCENT EXCEEDS	112		165		130	
50 PERCENT EXCEEDS	46		57		44	
90 PERCENT EXCEEDS	10		30		14	

e Estimated



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.

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)
Oct 12	0715	89	2.02	Jun 1	0615	120	2.30
Oct 16	1715	113	2.23	Aug 3	1745	128	2.38
Dec 25	1900	46	1.72	Sep 2	0745	65	1.85
Mar 21	0000	67	1.86	Sep 23	0845	97	2.08
Mar 29	1615	143	2.53	Sep 27	2330	*183	*2.97

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.6	1.2	e1.4	0.36	0.58	3.5	2.7	47	1.5	1.5	1.6
2	1.1	1.4	1.2	e1.7	0.32	e0.70	3.0	3.5	7.8	1.4	1.7	22
3	1.1	1.3	e1.2	e2.1	0.31	e0.74	3.0	2.9	4.5	1.3	42	5.5
4	1.1	1.2	e1.3	e3.0	e0.40	e0.78	2.9	2.6	3.5	1.2	23	12
5	3.1	1.1	e1.2	1.2	e0.32	0.79	2.6	2.3	2.9	1.1	16	4.9
6	2.2	1.4	0.89	1.1	0.33	0.72	2.4	2.1	2.6	1.1	11	3.2
7	1.9	1.1	0.71	1.0	0.31	0.67	2.2	1.9	2.6	1.5	5.5	2.5
8	1.6	1.1	0.68	1.0	0.31	0.68	1.9	1.9	2.5	1.3	3.9	2.2
9	1.4	1.2	0.60	0.96	0.29	0.66	1.7	1.7	2.3	1.3	3.7	1.9
10	1.4	1.9	0.71	0.87	0.31	0.58	1.7	1.7	2.1	1.1	11	1.7
11	4.1	3.1	0.88	0.79	0.27	e0.54	2.0	2.2	2.1	1.1	7.6	1.5
12	65	4.2	2.6	0.79	0.26	0.60	4.0	3.1	2.0	0.98	5.1	1.5
13	22	6.4	0.58	0.77	0.26	0.58	3.9	2.6	3.0	0.90	4.4	1.6
14	8.6	3.7	0.97	e0.74	0.23	0.51	3.0	2.3	3.3	0.90	3.5	1.6
15	4.7	2.7	0.62	e0.72	0.22	0.55	5.5	2.1	2.8	0.90	3.0	3.5
16	41	2.2	0.55	e0.70	0.22	0.76	11	2.0	2.5	1.0	2.7	4.3
17	17	3.6	0.51	e0.68	0.23	1.7	6.1	1.9	2.3	0.89	2.5	3.2
18	5.3	4.5	1.2	e0.66	0.26	3.3	3.5	1.7	2.2	0.91	2.2	3.6
19	3.9	3.3	0.92	e0.65	0.26	2.6	3.0	1.7	2.0	0.83	2.1	17
20	3.2	2.6	e5.0	e0.62	0.26	7.4	3.2	1.5	2.0	0.78	2.0	12
21	2.6	2.4	e4.0	e0.60	0.26	40	3.5	1.6	2.3	0.92	1.9	7.1
22	2.3	5.0	2.5	e0.59	e2.5	20	4.5	1.4	5.9	1.7	1.8	5.8
23	2.0	5.9	1.9	e0.57	e7.0	9.3	3.4	1.3	4.8	1.4	1.7	34
24	1.9	3.4	1.6	e0.55	e2.5	5.2	2.6	1.6	3.2	1.4	1.5	7.0
25	1.7	2.6	13	e0.53	1.2	6.6	2.3	1.9	2.6	1.3	1.4	4.2
26	3.3	2.1	6.2	e0.51	1.1	9.9	3.8	4.2	2.4	0.99	1.4	3.3
27	3.0	1.9	1.2	e0.46	0.92	6.8	4.7	4.0	2.2	0.93	1.3	13
28	2.4	1.7	1.0	e0.43	0.64	5.1	3.6	3.4	2.0	0.87	1.2	43
29	2.0	1.6	0.98	e0.41	---	48	3.3	2.8	1.8	0.82	1.2	8.7
30	1.9	1.5	0.90	0.43	---	14	2.7	2.6	1.7	0.76	1.2	6.0
31	1.7	---	1.1	0.38	---	5.2	---	3.2	---	0.72	1.1	---
TOTAL	215.7	77.7	57.90	26.91	21.85	195.54	104.5	72.4	130.9	33.80	170.1	239.4
MEAN	6.96	2.59	1.87	0.87	0.78	6.31	3.48	2.34	4.36	1.09	5.49	7.98
MAX	65	6.4	13	3.0	7.0	48	11	4.2	47	1.7	42	43
MIN	1.1	1.1	0.51	0.38	0.22	0.51	1.7	1.3	1.7	0.72	1.1	1.5
CFSM	9.04	3.36	2.43	1.13	1.01	8.19	4.52	3.03	5.67	1.42	7.13	10.4
IN.	10.42	3.75	2.80	1.30	1.06	9.45	5.05	3.50	6.32	1.63	8.22	11.57

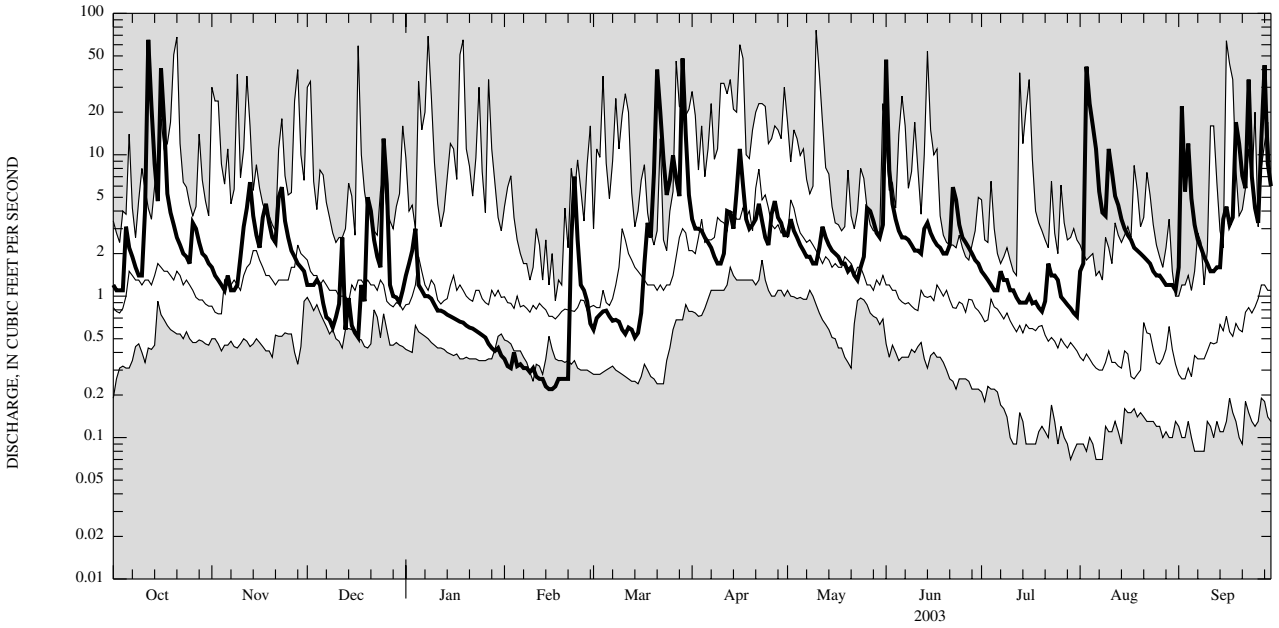
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2003, BY WATER YEAR (WY)

MEAN	2.76	2.81	2.03	2.56	1.13	3.14	5.58	2.88	2.06	1.22	1.10	2.12
MAX	6.96	4.88	5.85	5.65	2.20	6.31	12.1	7.69	4.36	4.59	5.49	7.98
(WY)	(2003)	(1996)	(1997)	(1998)	(1996)	(2003)	(1993)	(1998)	(2003)	(1996)	(2003)	(2003)
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)

01434021 WEST BRANCH NEVERSINK RIVER AT WINNISOOK LAKE NEAR FROST VALLEY, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1991 - 2003	
ANNUAL TOTAL	812.96		1,346.70			
ANNUAL MEAN	2.23		3.69		2.51	
HIGHEST ANNUAL MEAN					3.83	1996
LOWEST ANNUAL MEAN					1.47	1995
HIGHEST DAILY MEAN	65	Oct 12	65	Oct 12	76	May 10, 1998
LOWEST DAILY MEAN	0.21	Sep 9	0.22	Feb 15	0.07	Jul 29, 1991
ANNUAL SEVEN-DAY MINIMUM	0.23	Sep 5	0.24	Feb 12	0.08	Aug 2, 1991
ANNUAL RUNOFF (CFSM)	2.89		4.79		3.26	
ANNUAL RUNOFF (INCHES)	39.28		65.06		44.28	
10 PERCENT EXCEEDS	4.1		6.3		4.9	
50 PERCENT EXCEEDS	1.3		1.9		1.2	
90 PERCENT EXCEEDS	0.29		0.58		0.34	

e Estimated



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.

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)
Aug 12	2100	209	2.99	Sep 4	0215	220	3.03
Sep 2	0630	222	3.04	Sep 23	0845	*231	*3.07

Minimum discharge, 1.8 ft^3/s, Oct. 4, gage height, 0.66 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	6.4	7.7	e9.6	3.1	4.1	23	5.9	64	5.3	22	11
2	2.0	6.0	7.1	e9.4	3.0	e7.0	21	10	29	4.9	19	91
3	2.0	5.5	e6.4	9.3	3.0	e6.0	20	7.9	20	4.5	63	30
4	2.2	5.3	e6.2	e8.8	e10	e5.2	18	6.8	17	4.2	83	95
5	6.2	5.3	e5.6	7.9	e4.0	e5.0	16	6.6	15	3.9	55	31
6	3.2	11	e5.2	7.6	e3.5	e4.8	14	6.6	12	3.6	35	19
7	3.0	7.4	5.0	e7.4	e3.3	e4.6	12	6.2	14	12	23	14
8	2.7	6.4	4.5	e7.4	e3.2	e4.5	11	6.4	12	6.5	17	12
9	2.5	6.9	e4.2	7.0	3.2	e4.4	10	7.0	11	6.6	18	9.6
10	2.8	6.9	e4.2	6.5	3.1	e4.3	11	6.1	9.6	4.9	36	8.4
11	9.5	7.9	e4.2	e6.2	3.0	e4.2	14	11	11	5.5	33	7.3
12	95	12	e4.2	e6.0	e2.9	e4.0	20	12	11	4.6	52	6.4
13	33	16	4.3	e5.8	e2.8	e3.9	18	9.3	26	3.9	51	6.3
14	20	12	8.2	e5.6	2.8	3.9	15	8.7	24	3.6	23	7.1
15	13	9.6	6.0	e5.4	e2.7	4.4	14	8.1	17	3.4	17	34
16	62	9.5	5.0	e5.2	2.7	7.0	14	7.6	14	4.8	19	15
17	52	24	4.4	e5.0	e2.7	19	12	7.2	12	3.5	16	10
18	24	23	e4.3	e4.7	e2.7	43	10	6.9	12	3.6	13	8.7
19	18	16	4.1	e4.5	2.8	32	9.3	6.4	10	3.2	11	18
20	16	15	40	e4.3	2.8	43	8.6	6.0	11	2.9	9.1	18
21	12	15	25	e4.1	2.8	134	8.2	6.7	14	3.3	8.1	12
22	9.9	25	14	e3.9	8.4	99	8.3	5.8	26	22	7.2	10
23	8.8	27	11	e3.8	e10	57	7.4	5.6	17	14	6.2	104
24	7.7	19	9.3	3.7	e6.0	38	6.8	7.8	12	9.2	5.5	36
25	7.1	15	e8.4	3.6	e4.5	46	6.4	7.9	10	7.1	5.1	23
26	17	13	e7.8	3.5	e4.3	49	8.2	16	8.8	5.7	4.9	18
27	11	12	e7.4	3.3	e4.2	37	7.7	13	7.9	5.4	4.4	19
28	8.9	10	7.1	3.2	e4.1	32	6.5	14	7.0	4.9	3.8	78
29	7.9	9.2	6.8	3.2	---	86	6.1	11	6.6	4.4	4.6	34
30	7.4	8.7	6.3	3.0	---	60	5.6	10	6.0	4.0	5.5	23
31	6.8	---	8.5	3.0	---	31	---	15	---	3.8	3.8	---
TOTAL	475.8	366.0	252.4	171.9	111.6	883.3	362.1	265.5	466.9	179.2	674.2	808.8
MEAN	15.3	12.2	8.14	5.55	3.99	28.5	12.1	8.56	15.6	5.78	21.7	27.0
MAX	95	27	40	9.6	10	134	23	16	64	22	83	104
MIN	2.0	5.3	4.1	3.0	2.7	3.9	5.6	5.6	6.0	2.9	3.8	6.3
CFSM	4.13	3.28	2.19	1.49	1.07	7.66	3.24	2.30	4.18	1.55	5.85	7.25
IN.	4.76	3.66	2.52	1.72	1.12	8.83	3.62	2.65	4.67	1.79	6.74	8.09

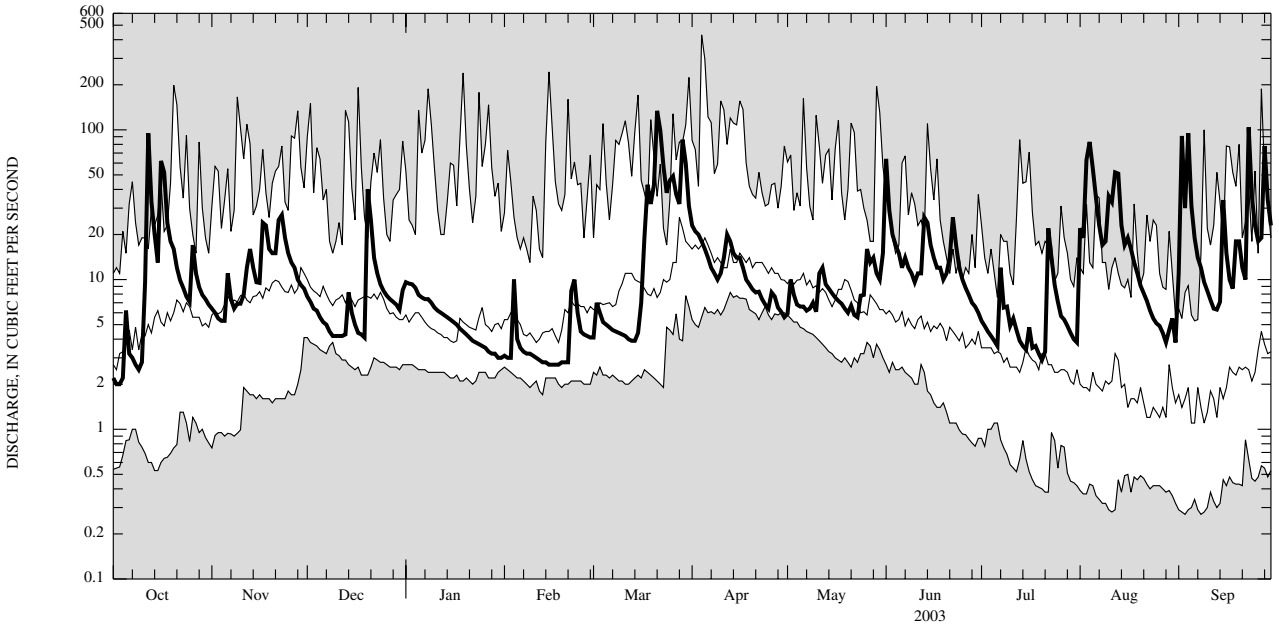
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2003, BY WATER YEAR (WY)

MEAN	8.21	12.1	11.3	10.4	8.78	16.5	21.5	12.8	7.42	4.56	4.23	6.02
MAX	19.7	20.8	26.0	26.5	28.3	30.2	54.3	33.1	16.1	15.7	21.7	27.0
(WY)	(1997)	(1993)	(1997)	(1999)	(1984)	(1986)	(1993)	(1989)	(2000)	(1996)	(2003)	(2003)
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)

01434025 BISCUIT BROOK ABOVE PIGEON BROOK AT FROST VALLEY, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1983 - 2003	
ANNUAL TOTAL	3,279.72		5,017.7			
ANNUAL MEAN	8.99		13.7		10.4	
HIGHEST ANNUAL MEAN					14.0	1996
LOWEST ANNUAL MEAN					6.79	1985
HIGHEST DAILY MEAN	95	Oct 12	134	Mar 21	431	Apr 4, 1987
LOWEST DAILY MEAN	0.59	Sep 10	2.0	Oct 2	0.27	Sep 3, 1991
ANNUAL SEVEN-DAY MINIMUM	0.67	Sep 6	2.7	Feb 13	0.31	Sep 7, 1991
ANNUAL RUNOFF (CFSM)	2.42		3.70		2.78	
ANNUAL RUNOFF (INCHES)	32.80		50.18		37.81	
10 PERCENT EXCEEDS	18		30		20	
50 PERCENT EXCEEDS	7.1		7.9		6.0	
90 PERCENT EXCEEDS	0.89		3.5		1.5	

e Estimated



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, 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, 61 ft^3/s, Sept. 23, gage height, 1.75 ft; minimum discharge, 0.10 ft^3/s, Oct. 2, gage height, 0.76 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	1.1	1.2	2.8	e0.47	e0.66	4.3	1.2	11	0.87	3.4	2.2
2	0.12	1.0	1.1	3.6	e0.48	1.9	4.0	1.8	6.2	0.77	2.9	14
3	0.13	0.92	0.95	2.2	e0.47	1.1	3.7	1.1	4.5	0.68	11	6.4
4	0.23	0.90	0.92	2.0	1.9	e0.94	3.3	1.0	3.9	0.95	16	15
5	1.2	0.86	0.89	1.8	0.75	e0.88	2.7	1.0	3.3	0.70	13	6.4
6	0.26	2.0	0.81	1.7	e0.54	e0.80	2.4	0.97	2.6	0.56	10	3.9
7	0.25	1.1	0.75	1.7	e0.52	e0.78	2.1	0.96	3.0	2.1	6.2	2.8
8	0.22	1.1	0.71	1.6	e0.49	e0.74	1.9	0.99	2.4	0.87	4.3	2.3
9	0.23	1.2	0.64	1.5	e0.47	e0.70	1.8	1.1	3.1	1.5	4.2	1.8
10	0.34	1.1	e0.62	1.4	e0.46	e0.68	2.1	0.91	2.6	0.74	7.2	1.5
11	1.9	1.3	e0.64	1.2	e0.45	e0.68	2.8	2.7	2.8	0.79	7.0	1.3
12	12	2.1	0.73	1.1	e0.45	e0.66	3.3	2.4	2.9	0.63	6.2	1.1
13	6.7	2.3	0.69	1.1	e0.44	e0.64	2.2	1.8	6.3	0.54	4.5	1.1
14	3.9	1.9	1.6	1.0	0.44	e0.62	2.1	1.7	5.5	0.47	3.4	1.4
15	2.9	1.8	0.90	0.96	0.44	e0.70	2.1	1.6	4.1	0.42	2.6	5.5
16	6.8	2.0	0.73	0.90	0.44	1.3	2.1	1.5	3.3	0.67	2.7	2.1
17	6.4	8.4	0.64	0.82	0.44	3.5	1.9	1.5	2.8	0.42	3.1	1.7
18	4.0	6.5	0.62	0.66	0.44	7.5	1.7	1.4	2.7	0.46	2.0	1.6
19	3.3	4.0	0.63	0.67	0.44	5.7	1.6	1.2	2.2	0.37	1.6	4.1
20	2.7	3.3	6.1	0.72	0.45	9.0	1.4	1.1	2.4	0.33	1.4	3.0
21	2.1	3.2	3.5	0.67	0.47	25	1.4	1.4	2.8	0.61	1.2	2.4
22	1.8	4.9	2.3	0.60	1.8	17	1.4	1.1	4.7	3.3	1.1	2.3
23	1.6	4.4	2.1	0.55	3.1	11	1.1	1.00	2.7	1.0	0.93	23
24	1.3	3.1	1.8	0.53	1.1	7.8	1.1	2.0	2.2	1.2	0.80	8.8
25	1.1	2.9	1.6	e0.52	0.85	7.9	0.98	1.7	2.0	0.85	0.76	5.2
26	3.7	2.4	e1.5	e0.52	e0.74	7.1	1.7	4.3	1.8	0.66	0.74	3.8
27	2.0	2.1	e1.4	e0.52	e0.68	5.9	1.3	2.9	1.6	0.71	0.64	4.2
28	1.7	1.8	1.3	e0.50	e0.66	5.0	1.1	4.4	1.3	0.65	0.57	13
29	1.5	1.6	1.2	e0.49	---	10	1.0	3.3	1.2	0.61	0.85	7.4
30	1.3	1.5	1.1	e0.48	---	11	0.96	2.8	1.0	0.57	0.84	4.6
31	1.1	---	1.8	e0.46	---	6.2	---	4.9	---	0.52	0.56	---
TOTAL	72.90	72.78	41.47	35.27	20.38	153.38	61.54	57.73	98.9	25.52	121.69	153.9
MEAN	2.35	2.43	1.34	1.14	0.73	4.95	2.05	1.86	3.30	0.82	3.93	5.13
MAX	12	8.4	6.1	3.6	3.1	25	4.3	4.9	11	3.3	16	23
MIN	0.12	0.86	0.62	0.46	0.44	0.62	0.96	0.91	1.0	0.33	0.56	1.1
CFSM	3.79	3.91	2.16	1.84	1.17	7.98	3.31	3.00	5.32	1.33	6.33	8.27
IN.	4.37	4.37	2.49	2.12	1.22	9.20	3.69	3.46	5.93	1.53	7.30	9.23

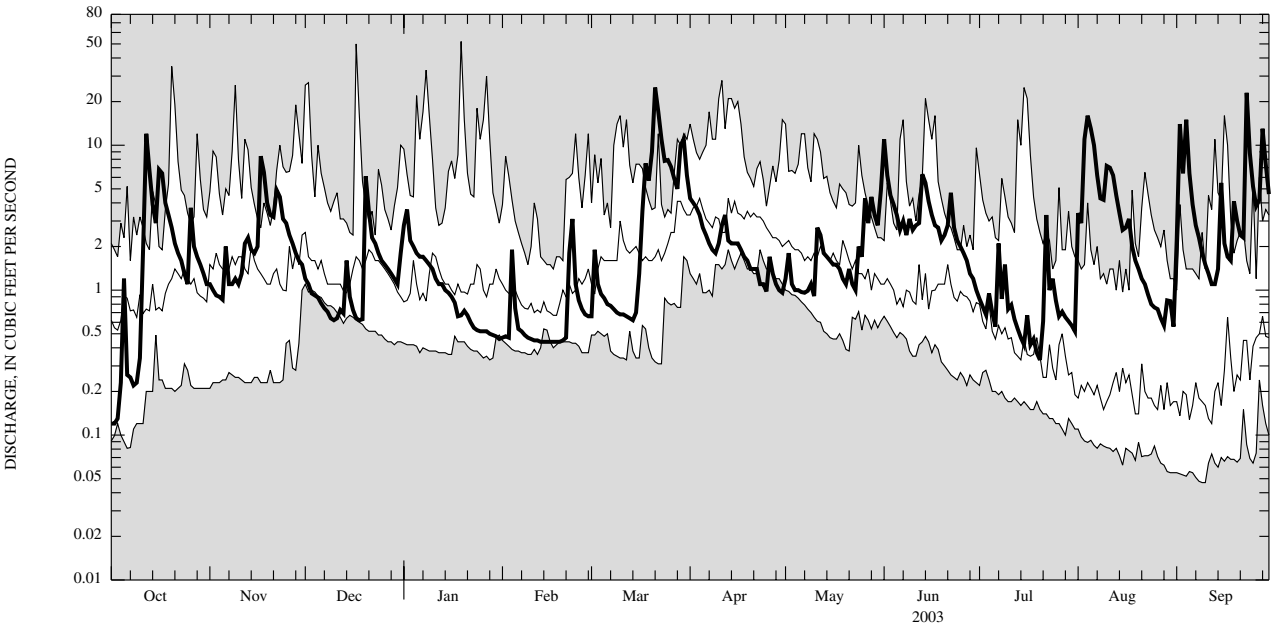
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

MEAN	1.52	2.19	2.09	2.31	1.26	2.88	4.27	2.19	1.76	1.10	0.81	1.13
MAX	3.91	3.52	5.00	5.44	2.46	4.95	8.85	4.23	3.81	3.20	3.93	5.13
(WY)	(1997)	(1993)	(1997)	(1996)	(1996)	(2003)	(1993)	(1998)	(1998)	(1996)	(2003)	(2003)
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1993 - 2003	
ANNUAL TOTAL	612.800		915.46			
ANNUAL MEAN	1.68		2.51		1.96	
HIGHEST ANNUAL MEAN					2.57	1996
LOWEST ANNUAL MEAN					1.34	1999
HIGHEST DAILY MEAN	12	Oct 12	25	Mar 21	52	Jan 19, 1996
LOWEST DAILY MEAN	0.050	Sep 7	0.12	Oct 1	0.050	Sep 2, 1999
ANNUAL SEVEN-DAY MINIMUM	0.05	Sep 5	0.33	Oct 1	0.05	Sep 5, 2002
ANNUAL RUNOFF (CFSM)	2.71		4.05		3.16	
ANNUAL RUNOFF (INCHES)	36.77		54.93		42.97	
10 PERCENT EXCEEDS	3.9		6.1		4.1	
50 PERCENT EXCEEDS	1.3		1.5		1.1	
90 PERCENT EXCEEDS	0.09		0.51		0.20	

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 21	0130	1,930	8.36	Sep 2	0800	2,230	8.64
Mar 29	1800	1,960	8.39	Sep 4	0345	2,280	8.68
Aug 3	2115	2,080	8.50	Sep 23	0945	a*3,040	*9.28

a From rating curve extended as explained above.

Minimum discharge, 20 ft^3/s, Oct. 2, 3, 4; minimum gage height, 4.24 ft, Oct. 3, 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	78	98	e110	e38	e60	217	69	568	63	162	73
2	21	75	90	206	e36	e70	192	102	272	58	153	818
3	20	72	79	133	e40	e78	191	91	180	54	571	262
4	21	69	e68	122	e54	e70	174	78	157	55	668	855
5	52	67	e70	110	e60	e66	157	75	141	52	418	277
6	37	107	e66	105	e50	e64	138	75	122	45	322	176
7	31	95	e64	99	e44	e64	127	72	127	83	209	137
8	28	81	e60	e90	e41	e62	118	71	121	82	158	116
9	26	81	e54	e82	e40	e62	111	76	117	75	153	102
10	27	81	e50	e80	e39	e66	113	69	113	64	379	92
11	50	88	e56	e72	e39	e72	133	105	110	61	332	84
12	591	100	e64	e66	e38	e60	164	132	109	54	299	77
13	280	141	64	e66	e38	e56	147	104	221	46	263	75
14	174	111	96	e60	e37	e56	127	96	205	42	169	78
15	122	101	86	e58	e36	62	122	90	151	38	137	216
16	404	101	74	e58	e36	76	130	85	128	47	136	125
17	413	263	62	e58	e36	141	119	80	116	39	136	97
18	199	270	57	e58	e38	276	104	77	114	37	115	85
19	154	177	67	e58	e36	264	97	73	105	35	101	145
20	139	155	257	e56	e33	302	92	69	105	31	88	156
21	117	150	224	e54	e34	1,350	87	76	121	32	80	111
22	104	209	143	e50	e42	872	90	69	197	156	74	98
23	95	253	121	e50	e110	508	85	66	152	108	68	1,110
24	87	177	108	e50	e80	340	78	80	116	78	62	355
25	82	151	100	e52	e70	346	74	86	101	70	59	222
26	145	136	e90	e50	e62	365	89	140	92	57	57	178
27	118	128	e82	e49	e62	302	91	128	84	53	53	160
28	100	116	e78	e47	e60	252	78	136	77	51	48	843
29	92	109	e72	e45	---	705	73	118	73	46	48	332
30	86	104	e68	e42	---	526	70	104	69	43	65	222
31	81	---	e80	e40	---	286	---	140	---	40	48	---
TOTAL	3,920	3,846	2,748	2,276	1,329	7,879	3,588	2,832	4,364	1,795	5,631	7,677
MEAN	126	128	88.6	73.4	47.5	254	120	91.4	145	57.9	182	256
MAX	591	270	257	206	110	1,350	217	140	568	156	668	1,110
MIN	20	67	50	40	33	56	70	66	69	31	48	73
CFSM	3.74	3.79	2.62	2.17	1.40	7.52	3.54	2.70	4.30	1.71	5.37	7.57
IN.	4.31	4.23	3.02	2.50	1.46	8.67	3.95	3.12	4.80	1.98	6.20	8.45

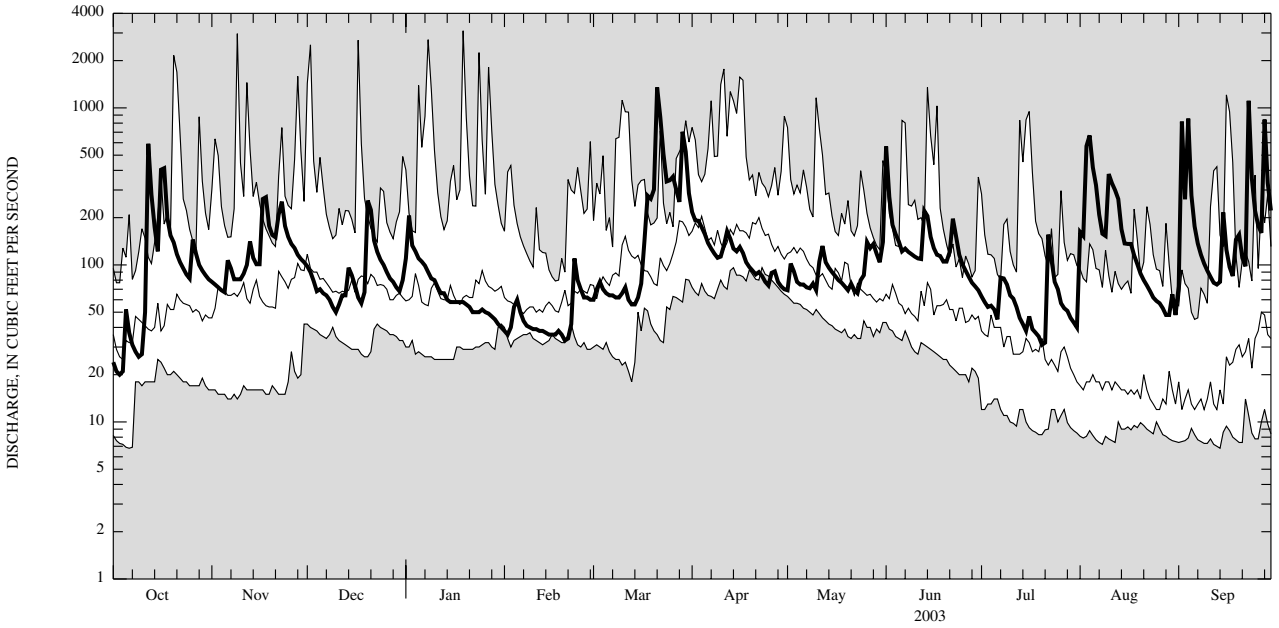
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2003, BY WATER YEAR (WY)

MEAN	78.3	119	113	133	73.8	153	223	111	90.9	53.8	42.7	60.1
MAX	192	224	321	305	136	254	498	209	173	165	182	256
(WY)	(1996)	(1997)	(1997)	(1996)	(1996)	(2003)	(1993)	(1998)	(1998)	(1996)	(2003)	(2003)
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)

01434498 WEST BRANCH NEVERSINK RIVER AT CLARYVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1991 - 2003	
ANNUAL TOTAL	32,020.1		47,885			
ANNUAL MEAN	87.7		131		105	
HIGHEST ANNUAL MEAN					151	1996
LOWEST ANNUAL MEAN					68.5	2002
HIGHEST DAILY MEAN	591	Oct 12	1,350	Mar 21	3,100	Jan 19, 1996
LOWEST DAILY MEAN	8.1	Sep 13	20	Oct 3	6.8	Sep 14, 1991
ANNUAL SEVEN-DAY MINIMUM	8.7	Sep 8	29	Oct 1	7.3	Sep 8, 1991
ANNUAL RUNOFF (CFSM)	2.60		3.88		3.11	
ANNUAL RUNOFF (INCHES)	35.24		52.70		42.23	
10 PERCENT EXCEEDS	176		262		198	
50 PERCENT EXCEEDS	79		86		64	
90 PERCENT EXCEEDS	12		42		18	

e Estimated



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.--Records good except those for estimated daily discharges, which are poor. 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)
Mar 29	1815	3,500	10.18	Sep 23	1015	*4,930	*10.82
Sep 2	0830	3,280	10.07	Sep 28	0215	3,540	10.20

Minimum discharge, 45 ft^3/s, Oct. 3, 4, gage height, 6.27 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	126	160	207	70	e90	416	121	1,260	108	215	116
2	49	121	145	446	66	133	360	179	579	105	215	1,440
3	48	117	122	259	65	142	358	165	362	103	667	576
4	47	113	118	225	103	123	322	136	305	103	1,180	1,350
5	123	108	123	197	e110	117	284	126	264	105	846	568
6	90	181	123	183	e80	e110	247	127	223	103	629	357
7	72	166	108	166	e76	e110	228	122	231	144	388	269
8	64	131	112	e160	e76	e100	210	121	228	140	284	221
9	57	129	90	e150	e74	e100	194	127	207	124	255	191
10	58	126	86	e140	e68	e110	196	118	211	111	771	169
11	106	141	102	e130	e66	e100	240	168	191	103	605	150
12	1,390	171	122	e120	e64	e98	321	251	195	e94	535	135
13	705	263	107	e110	e64	e94	274	181	430	e82	466	130
14	417	195	172	e110	e64	104	230	163	376	e76	301	142
15	273	170	157	e100	e62	92	221	151	276	e68	239	472
16	712	168	126	e100	e62	119	259	142	228	80	224	281
17	841	508	103	e100	e62	245	233	134	203	71	228	198
18	393	529	90	e98	e64	521	192	127	195	64	196	165
19	287	341	107	e98	63	497	174	121	182	63	174	310
20	251	291	494	e98	60	527	163	115	177	55	154	357
21	204	279	440	e96	60	2,220	155	126	214	55	137	231
22	176	365	267	e96	75	1,570	161	115	381	232	125	196
23	158	466	217	e96	176	996	152	111	299	168	116	1,980
24	142	315	e180	e94	148	657	136	136	210	120	107	792
25	130	268	e170	e94	e100	631	127	165	177	113	101	485
26	277	240	e160	e92	e100	668	158	292	158	91	94	384
27	227	219	159	e90	e100	563	184	272	143	84	89	327
28	175	197	146	e88	e96	461	144	268	128	81	80	1,900
29	158	183	137	e84	---	1,260	131	239	122	67	78	745
30	146	171	129	78	---	1,060	123	198	116	64	108	487
31	135	---	152	72	---	555	---	253	---	61	82	---
TOTAL	7,967	6,798	4,924	4,177	2,274	14,173	6,593	5,070	8,271	3,038	9,689	15,124
MEAN	257	227	159	135	81.2	457	220	164	276	98.0	313	504
MAX	1,390	529	494	446	176	2,220	416	292	1,260	232	1,180	1,980
MIN	47	108	86	72	60	90	123	111	116	55	78	116
CFSM	3.86	3.40	2.38	2.02	1.22	6.86	3.30	2.46	4.14	1.47	4.69	7.57
IN.	4.45	3.80	2.75	2.33	1.27	7.92	3.68	2.83	4.62	1.70	5.41	8.45

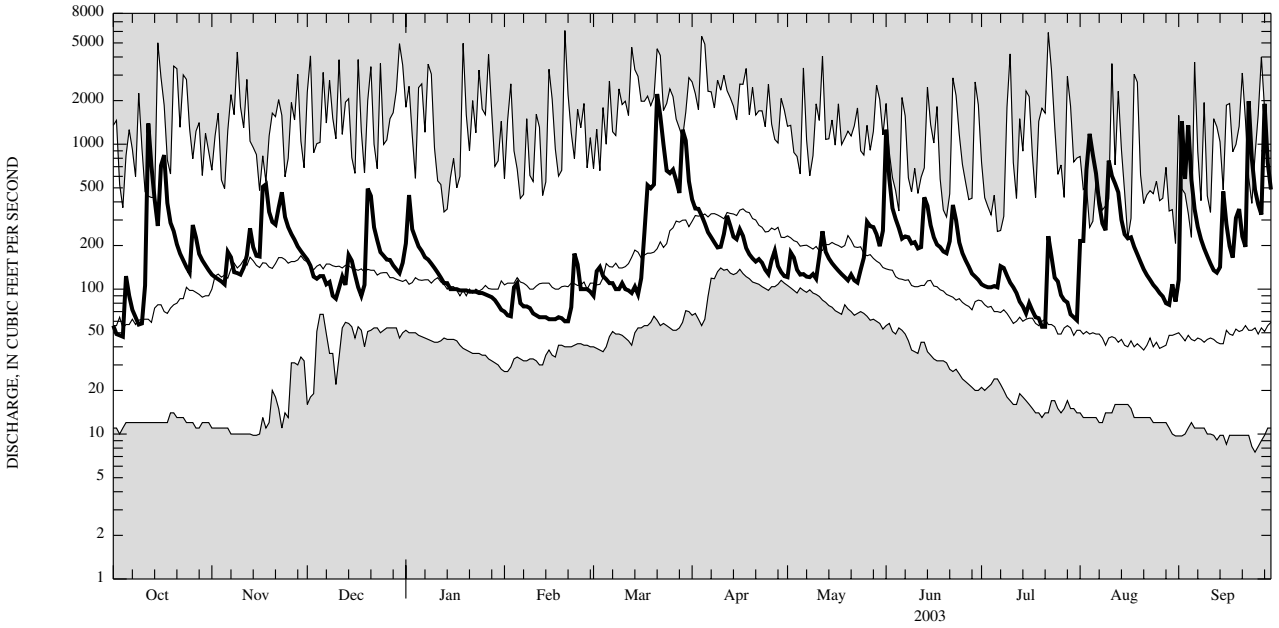
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	141	205	211	171	160	290	421	257	150	102	77.9	100
MAX	613	409	568	530	747	681	899	608	483	567	430	504
(WY)	(1956)	(1973)	(1997)	(1996)	(1981)	(1977)	(1993)	(1989)	(1972)	(1938)	(1955)	(2003)
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)

01435000 NEVERSINK RIVER NEAR CLARYVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	60,639		88,098			
ANNUAL MEAN	166		241		189	
HIGHEST ANNUAL MEAN					286	1996
LOWEST ANNUAL MEAN					100	1965
HIGHEST DAILY MEAN	1,390	Oct 12	2,220	Mar 21	6,090	Feb 20, 1981
LOWEST DAILY MEAN	14	Sep 14	47	Oct 4	7.5	Sep 25, 1964
ANNUAL SEVEN-DAY MINIMUM	16	Sep 8	62	Feb 15	8.9	Sep 21, 1964
ANNUAL RUNOFF (CFSM)	2.49		3.62		2.84	
ANNUAL RUNOFF (INCHES)	33.87		49.21		38.57	
10 PERCENT EXCEEDS	355		495		380	
50 PERCENT EXCEEDS	134		152		113	
90 PERCENT EXCEEDS	23		76		33	

e Estimated



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, 2,310 ft^3/s, Mar. 30, gage height, 5.44 ft; minimum discharge, 20 ft^3/s, Oct. 29, 30; minimum gage height, 2.88 ft, Oct. 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

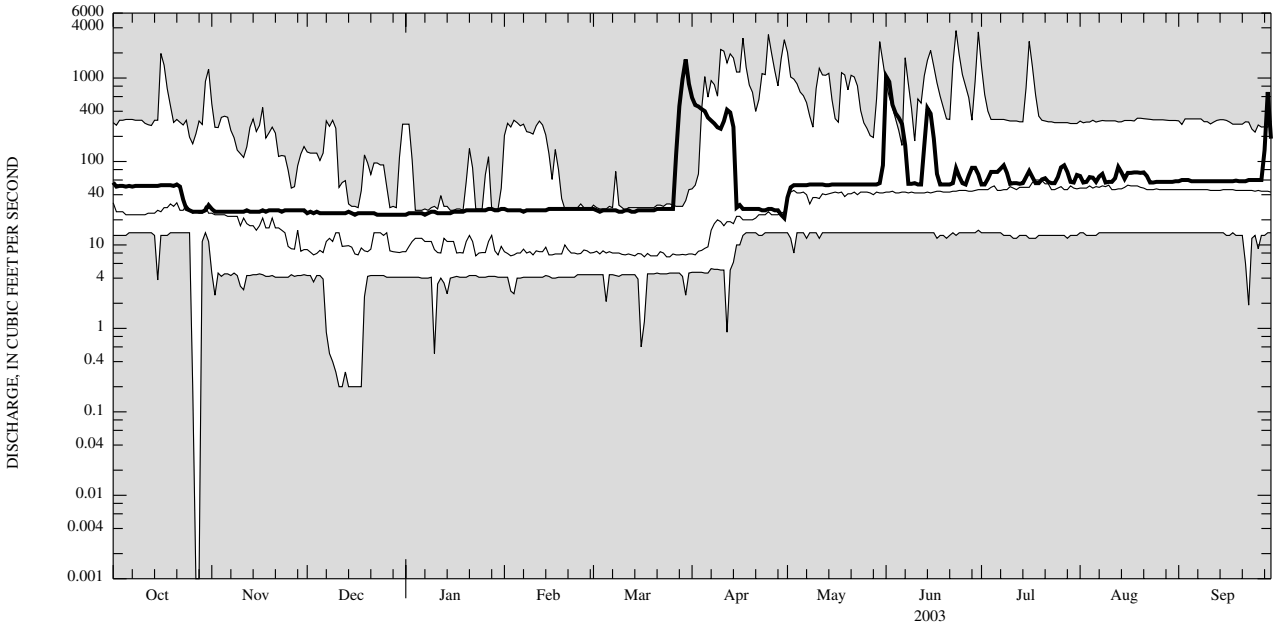
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	27	24	23	27	27	583	37	1,050	53	67	58
2	50	25	25	24	26	26	475	49	903	53	56	60
3	51	25	24	24	26	25	456	52	479	62	57	60
4	51	25	25	24	26	26	425	52	378	75	65	60
5	50	25	24	24	26	26	401	52	334	75	64	58
6	51	25	24	24	26	26	336	52	282	75	57	58
7	50	25	24	23	25	26	309	52	157	82	66	58
8	51	25	24	24	26	26	285	53	54	90	71	58
9	51	25	24	25	26	25	257	53	54	73	56	58
10	51	25	24	25	26	25	247	53	55	54	57	58
11	51	25	24	24	26	26	304	53	53	55	57	58
12	51	26	24	24	26	26	417	53	53	55	63	58
13	51	25	24	24	26	25	387	52	154	54	86	58
14	51	25	25	24	26	25	259	52	435	55	74	58
15	51	25	24	24	27	26	28	53	375	65	62	58
16	52	25	23	25	27	26	30	53	189	77	73	58
17	52	26	24	25	27	26	27	53	71	65	73	58
18	52	25	24	25	27	26	27	53	53	55	74	58
19	52	26	24	25	27	26	27	53	53	55	74	59
20	51	26	24	26	27	26	27	53	53	61	73	58
21	53	26	24	26	27	27	27	53	53	63	74	58
22	50	26	24	26	27	27	27	53	55	57	67	58
23	35	25	23	26	27	27	26	53	83	55	56	60
24	27	26	23	26	27	27	26	53	66	55	56	60
25	26	26	23	26	27	27	27	53	55	65	57	60
26	25	26	23	26	27	27	27	53	53	85	57	60
27	25	26	23	27	27	124	26	53	68	90	57	60
28	25	26	23	27	27	459	26	53	84	75	57	137
29	25	26	23	26	---	967	23	53	84	57	57	680
30	26	26	23	26	---	1,670	21	55	70	56	57	188
31	30	---	23	27	---	854	---	90	---	69	58	---
TOTAL	1,373	765	737	775	742	4,752	5,563	1,655	5,906	2,016	1,978	2,588
MEAN	44.3	25.5	23.8	25.0	26.5	153	185	53.4	197	65.0	63.8	86.3
MAX	56	27	25	27	27	1,670	583	90	1,050	90	86	680
MIN	25	25	23	23	25	25	21	37	53	53	56	58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

MEAN	49.6	24.9	16.1	14.9	16.8	16.6	93.4	77.7	73.8	73.2	73.2	64.7
MAX	279	198	66.0	33.5	148	153	528	319	369	293	305	231
(WY)	(1956)	(1956)	(1997)	(1956)	(1961)	(2003)	(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)

01436000 NEVERSINK RIVER AT NEVERSINK, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1954 - 2003	
ANNUAL TOTAL	12,763.4		28,850			
ANNUAL MEAN	35.0		79.0		49.6	
HIGHEST ANNUAL MEAN					158	1956
LOWEST ANNUAL MEAN					11.4	1971
HIGHEST DAILY MEAN	125	Aug 13	1,670	Mar 30	3,700	Jun 23, 1972
LOWEST DAILY MEAN	4.4	Jan 11	21	Apr 30	0.00	Oct 27, 1954
ANNUAL SEVEN-DAY MINIMUM	4.4	Jan 9	23	Dec 23	0.23	Dec 12, 1958
10 PERCENT EXCEEDS	80		88		77	
50 PERCENT EXCEEDS	24		51		23	
90 PERCENT EXCEEDS	5.0		24		5.2	



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, 3,380 ft^3/s, Mar. 30, gage height, 9.44 ft; minimum discharge, 64 ft^3/s, Oct. 8, 9, 10, gage height, 4.58 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	152	164	204	e88	e140	1,060	87	1,740	128	104	109
2	98	157	150	671	e90	e160	892	123	1,660	136	125	1,370
3	84	158	131	386	e96	e160	834	160	919	113	120	745
4	72	144	131	e310	e120	e150	758	148	730	116	211	752
5	81	136	e120	e260	e110	e150	707	151	608	116	233	449
6	73	242	e120	e230	e100	e150	609	138	502	111	204	305
7	68	201	e110	e210	e90	e140	555	127	458	115	140	202
8	66	169	e110	e190	e88	e130	519	138	342	138	149	165
9	64	161	e110	e180	e84	e120	474	133	247	136	117	146
10	66	149	e110	e170	e82	e120	472	124	215	111	198	135
11	204	147	e120	e160	e80	e120	590	119	194	110	291	133
12	1,150	173	e160	e150	e80	e120	891	134	193	107	302	128
13	552	291	e220	e140	e80	e120	743	126	440	96	202	121
14	349	202	e330	e130	e78	e130	586	120	759	92	193	123
15	272	175	e370	e120	e78	138	284	120	638	86	131	151
16	654	182	e300	e120	e76	193	181	114	421	105	121	258
17	979	702	258	e110	e76	420	160	107	200	99	128	186
18	466	842	211	e110	e76	741	146	98	185	84	135	118
19	329	520	e190	e110	e78	686	137	95	190	81	132	219
20	262	409	e380	e100	e80	560	128	91	179	78	111	203
21	218	364	e430	e98	e90	1,480	119	114	331	93	111	146
22	189	350	e300	e98	e150	1,320	125	116	775	152	107	120
23	165	381	e270	e96	e220	1,040	118	110	686	152	89	1,170
24	145	292	e230	e94	e190	748	108	125	380	125	80	706
25	166	251	192	e92	e160	609	103	142	257	101	77	360
26	324	226	e190	e90	e150	552	115	408	211	106	76	280
27	275	213	e180	e88	e140	521	134	357	163	113	76	253
28	216	190	175	e88	e140	833	113	243	160	113	75	502
29	181	175	162	e88	---	1,320	103	226	153	84	73	979
30	162	168	152	e88	---	2,730	88	204	150	78	79	570
31	152	---	164	e88	---	1,500	---	272	---	75	77	---
TOTAL	8,186	7,922	6,240	5,069	2,970	17,301	11,852	4,770	14,086	3,350	4,267	11,104
MEAN	264	264	201	164	106	558	395	154	470	108	138	370
MAX	1,150	842	430	671	220	2,730	1,060	408	1,740	152	302	1,370
MIN	64	136	110	88	76	120	88	87	150	75	73	109

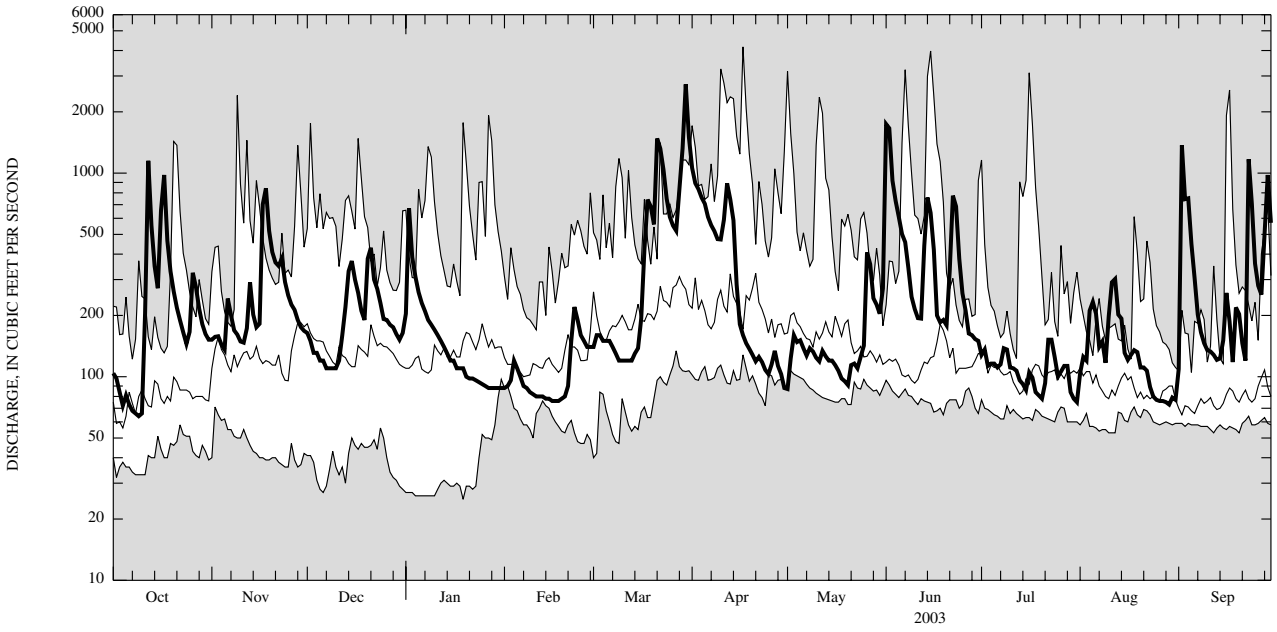
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	125	182	187	195	149	296	411	227	239	148	103	140
MAX	264	320	523	394	262	558	1,022	446	586	335	168	370
(WY)	(2003)	(1996)	(1997)	(1996)	(1996)	(2003)	(1993)	(1998)	(1998)	(2000)	(1994)	(2003)
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)

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	58,812		97,117			
ANNUAL MEAN	161		266		200	
HIGHEST ANNUAL MEAN					266	2003
LOWEST ANNUAL MEAN					112	2002
HIGHEST DAILY MEAN	1,280	Jun 7	2,730	Mar 30	4,170	Apr 17, 1993
LOWEST DAILY MEAN	25	Jan 19	64	Oct 9	25	Jan 19, 2002
ANNUAL SEVEN-DAY MINIMUM	26	Jan 4	70	Oct 4	26	Jan 4, 2002
10 PERCENT EXCEEDS	329		644		380	
50 PERCENT EXCEEDS	112		151		120	
90 PERCENT EXCEEDS	52		88		63	

e Estimated



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 6; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.5	12.5	15.0	6.0	5.0	5.5	2.5	0.0	1.5	2.5	2.0	2.5
2	19.5	15.0	17.0	5.5	4.5	5.0	1.5	0.0	1.0	2.0	0.5	1.5
3	18.5	16.0	17.5	5.5	4.5	5.0	1.0	0.0	0.5	0.5	0.0	0.0
4	16.0	14.0	15.0	5.5	4.5	5.0	0.5	0.0	0.0	0.5	0.0	0.5
5	17.5	14.5	16.0	6.5	4.5	5.5	0.0	0.0	0.0	0.5	0.0	0.5
6	16.5	12.5	14.5	6.5	5.5	6.0	0.5	0.0	0.0	1.0	0.0	0.5
7	16.5	13.5	14.5	6.5	4.0	5.5	0.5	0.0	0.0	1.0	0.0	0.5
8	15.0	11.0	12.5	6.5	3.5	5.0	0.0	0.0	0.0	1.0	0.0	0.5
9	13.0	10.5	12.0	6.5	4.5	5.5	0.0	0.0	0.0	2.0	1.0	1.5
10	12.5	12.5	12.5	9.5	6.0	7.5	0.5	0.0	0.0	2.0	0.5	1.5
11	12.5	12.0	12.5	11.5	9.5	11.0	0.0	0.0	0.0	0.5	0.0	0.0
12	13.0	12.0	12.5	10.5	9.0	9.5	0.5	0.0	0.0	0.5	0.0	0.0
13	13.5	12.5	13.0	9.0	7.0	8.5	0.5	0.0	0.0	0.5	0.0	0.0
14	12.5	10.5	11.5	7.5	6.0	7.0	0.5	0.5	0.5	0.5	0.0	0.0
15	10.5	8.5	9.5	8.0	6.0	7.0	1.0	0.5	0.5	0.0	0.0	0.0
16	10.0	9.5	10.0	7.0	4.5	6.0	1.0	0.5	1.0	0.5	0.0	0.0
17	10.5	9.5	10.0	5.0	4.5	5.0	1.0	0.0	0.5	0.5	0.0	0.0
18	11.0	9.0	10.0	5.0	4.0	4.5	1.0	0.0	0.0	0.5	0.0	0.0
19	9.5	9.0	9.5	4.5	4.0	4.5	1.0	0.0	0.5	0.5	0.0	0.0
20	10.5	8.0	9.0	5.5	4.0	5.0	0.5	0.0	0.0	0.0	0.0	0.0
21	10.0	8.0	9.0	5.0	4.0	4.5	1.5	0.0	1.0	0.0	0.0	0.0
22	9.5	6.5	8.0	6.0	5.0	5.5	2.5	1.0	1.5	0.0	0.0	0.0
23	10.0	7.5	8.5	5.5	3.5	4.5	2.0	1.5	2.0	0.0	0.0	0.0
24	8.5	6.0	7.5	4.5	3.0	4.0	2.0	1.0	1.5	0.5	0.0	0.0
25	8.5	7.5	8.0	4.5	3.5	4.0	1.5	0.0	0.5	0.5	0.0	0.0
26	8.5	7.5	8.0	4.5	3.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
27	9.5	8.0	8.5	4.0	1.5	3.0	0.5	0.0	0.5	0.0	0.0	0.0
28	8.5	7.0	8.0	1.5	0.5	1.0	1.0	0.0	0.5	0.0	0.0	0.0
29	7.0	5.5	6.0	1.5	0.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0
30	6.0	5.5	6.0	3.0	1.0	2.0	1.5	0.5	1.0	0.0	0.0	0.0
31	7.0	4.5	6.0	---	---	---	3.0	1.0	2.0	0.0	0.0	0.0
MONTH	19.5	4.5	10.9	11.5	0.5	5.2	3.0	0.0	0.5	2.5	0.0	0.3

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.5	2.0	16.5	11.5	14.0
2	0.0	0.0	0.0	0.0	0.0	0.0	4.5	2.0	3.5	17.0	14.0	15.5
3	0.5	0.0	0.0	0.5	0.0	0.0	4.0	3.5	3.5	17.0	12.0	14.0
4	0.0	0.0	0.0	0.5	0.0	0.0	3.5	2.5	3.0	15.5	10.0	13.0
5	0.0	0.0	0.0	0.5	0.0	0.0	2.5	1.5	2.0	12.5	10.0	11.0
6	0.5	0.0	0.0	0.0	0.0	0.0	5.0	1.5	3.5	10.5	9.0	9.5
7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.5	2.5	15.0	9.0	12.0
8	0.0	0.0	0.0	0.5	0.0	0.0	3.0	1.0	2.0	13.5	12.5	13.0
9	0.5	0.0	0.0	1.0	0.0	0.5	3.5	2.5	3.0	15.0	11.5	13.0
10	0.0	0.0	0.0	0.5	0.0	0.0	6.5	3.0	4.5	16.5	10.5	13.5
11	0.0	0.0	0.0	0.5	0.0	0.0	5.5	3.0	4.0	14.5	13.0	13.5
12	0.0	0.0	0.0	1.0	0.0	0.5	8.0	4.0	6.0	13.0	11.5	12.5
13	0.0	0.0	0.0	0.5	0.0	0.0	7.5	3.5	6.0	12.5	10.5	11.5
14	0.0	0.0	0.0	1.0	0.0	0.5	8.0	3.0	6.0	12.5	10.0	11.5
15	0.0	0.0	0.0	2.0	0.0	0.5	12.0	5.5	9.0	14.5	9.5	12.5
16	0.0	0.0	0.0	2.0	0.0	0.5	16.0	9.5	12.5	14.0	11.5	13.0
17	0.0	0.0	0.0	2.0	0.0	0.5	12.0	7.0	9.0	17.0	10.5	13.5
18	0.0	0.0	0.0	1.5	0.0	1.0	7.0	6.0	6.5	18.5	11.0	14.5
19	0.0	0.0	0.0	3.0	0.5	2.0	12.5	5.5	8.5	19.5	11.5	15.5
20	0.0	0.0	0.0	2.0	1.0	1.5	14.0	7.5	11.0	19.0	12.5	15.5
21	0.0	0.0	0.0	3.5	0.5	2.0	13.5	9.0	11.5	16.0	14.0	15.0
22	0.0	0.0	0.0	5.0	2.0	3.0	13.0	10.0	11.5	14.0	12.0	12.5
23	0.0	0.0	0.0	4.5	2.5	3.5	10.5	7.0	9.0	12.0	11.0	11.5
24	0.0	0.0	0.0	5.5	2.0	4.0	12.0	6.0	8.5	11.5	11.0	11.0
25	0.0	0.0	0.0	7.0	3.0	5.0	14.0	6.5	10.0	13.0	11.0	12.0
26	0.0	0.0	0.0	5.5	4.5	5.0	11.5	10.0	10.5	12.5	11.0	11.5
27	0.0	0.0	0.0	7.0	3.0	5.0	15.5	9.0	12.0	14.5	11.0	12.5
28	0.0	0.0	0.0	6.5	3.5	5.5	17.5	9.5	13.5	15.5	13.0	14.0
29	---	---	---	6.5	4.5	5.5	16.0	12.0	13.5	16.5	12.0	14.5
30	---	---	---	5.0	3.0	3.5	15.5	10.5	13.0	18.5	14.0	16.0
31	---	---	---	4.5	2.0	3.0	---	---	---	16.0	13.0	14.5
MONTH	0.5	0.0	0.0	7.0	0.0	1.7	17.5	1.0	7.4	19.5	9.0	13.1
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.0	12.0	12.5	21.5	14.5	18.0	20.5	17.0	18.5	16.0	15.0	15.5
2	15.0	12.0	13.5	22.5	17.5	20.0	21.0	16.0	18.5	15.5	14.5	15.0
3	14.0	12.0	13.0	23.5	17.5	20.5	23.5	19.0	21.0	15.5	15.0	15.0
4	13.5	12.5	12.5	23.5	18.5	21.0	22.5	20.0	21.0	17.0	15.0	16.0
5	14.5	12.0	13.0	24.5	19.0	21.5	22.0	19.5	20.5	18.0	16.0	17.0
6	16.5	12.5	14.5	25.0	19.5	22.0	22.0	19.0	20.5	18.0	14.5	16.5
7	15.5	13.5	13.5	23.0	19.0	21.0	21.0	19.0	20.0	18.5	14.5	16.5
8	14.0	13.0	13.5	22.5	18.0	20.0	22.0	19.0	20.5	18.5	15.0	16.5
9	16.0	13.5	14.5	19.5	16.0	17.5	21.5	18.5	20.0	18.0	15.0	16.0
10	19.0	13.5	16.0	18.5	14.5	16.5	21.5	19.5	20.0	18.5	14.0	16.0
11	17.0	15.5	16.5	18.5	16.5	17.0	21.0	19.5	20.5	19.0	14.5	16.5
12	16.5	14.5	15.5	20.5	15.0	18.0	21.0	19.5	20.5	18.0	15.0	16.5
13	15.5	14.0	14.5	21.0	16.5	18.5	24.0	20.0	21.5	16.5	15.5	16.0
14	18.0	13.0	16.0	23.0	16.5	19.0	23.5	19.0	21.0	19.0	15.5	17.0
15	19.5	15.5	17.5	24.0	17.5	20.5	24.0	19.0	21.5	19.0	17.5	18.0
16	18.5	14.5	16.5	22.5	19.0	20.5	22.5	20.0	21.0	20.0	16.5	18.0
17	19.5	15.0	17.0	23.5	17.0	20.0	20.5	18.5	19.5	19.0	16.0	17.0
18	17.0	15.0	16.0	20.5	18.0	18.5	19.0	16.5	18.0	17.0	14.5	16.0
19	18.5	14.5	16.5	22.0	16.0	18.5	21.0	16.0	18.5	18.5	16.0	17.0
20	17.0	15.0	16.0	22.5	16.0	19.0	22.5	17.0	19.5	20.0	17.0	18.0
21	15.5	14.0	14.5	23.0	18.0	---	22.5	17.5	20.0	18.5	15.0	16.5
22	14.5	13.5	14.0	---	---	---	22.0	18.5	20.0	15.5	14.5	15.0
23	18.5	13.5	16.0	20.0	---	---	22.5	17.5	19.5	16.5	15.0	16.0
24	21.5	16.0	18.5	22.0	18.5	20.0	21.0	15.5	18.0	16.5	14.0	15.0
25	22.5	17.0	20.0	24.0	18.0	21.0	22.0	16.5	19.0	15.5	13.5	14.5
26	24.5	19.0	21.5	23.0	18.0	20.5	21.0	17.5	19.5	15.5	14.0	15.0
27	24.5	19.5	21.5	21.5	18.0	20.0	22.5	18.0	19.5	17.5	15.0	16.5
28	21.5	17.5	19.5	22.5	17.5	19.5	22.5	17.0	19.5	17.0	14.5	16.0
29	19.5	16.0	18.0	21.5	17.0	19.5	19.0	16.5	18.0	17.0	12.5	15.0
30	19.0	15.5	17.0	23.5	17.0	20.0	18.5	16.0	18.0	15.5	13.5	14.5
31	---	---	---	24.0	17.5	20.5	19.0	14.0	16.5	---	---	---
MONTH	24.5	12.0	16.0	---	---	---	24.0	14.0	19.7	20.0	12.5	16.1

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, 3,760 ft^3/s, Mar. 30, gage height, 6.56 ft; minimum discharge, 143 ft^3/s, Oct. 9, 10, July 21, 31, Aug. 1; minimum gage height, 3.32 ft, July 21, 31, Aug. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	386	476	575	253	395	1,610	235	2,100	307	161	191
2	191	384	435	1,340	253	411	1,400	246	2,410	292	241	2,030
3	178	380	e390	1,110	250	e470	1,300	299	1,550	257	226	1,540
4	166	355	e360	977	274	e450	1,190	272	1,320	238	418	1,440
5	167	334	348	877	e280	e430	1,140	280	1,170	234	488	1,140
6	165	494	e330	788	e270	e430	1,030	271	1,010	221	503	866
7	156	501	e320	711	e260	e410	960	253	952	210	361	669
8	151	418	e320	654	e250	e390	905	263	925	248	324	532
9	144	406	e300	e620	e250	e370	831	265	703	238	294	456
10	144	384	e300	e600	e240	e350	816	246	594	229	403	403
11	302	374	294	e540	e240	e340	970	239	522	206	621	363
12	1,810	402	453	e500	e230	e340	1,320	262	494	207	625	333
13	1,190	657	483	e450	e230	352	1,210	253	708	184	447	317
14	902	535	730	e420	e230	341	1,040	239	1,040	174	405	320
15	724	473	1,010	e390	e220	356	736	232	962	164	327	342
16	972	477	850	e370	e220	449	531	223	721	166	283	433
17	1,870	1,260	e660	e340	e220	845	475	209	445	171	279	435
18	1,170	1,740	e580	e320	e220	1,470	431	196	390	163	286	297
19	930	1,380	e560	e310	e220	1,590	402	185	397	158	279	476
20	767	1,200	720	e290	e220	1,420	370	178	365	149	247	507
21	651	1,080	1,100	e280	225	2,820	341	199	586	154	236	381
22	558	1,030	866	e270	256	3,000	341	218	1,270	299	230	321
23	495	1,040	775	e270	526	2,600	328	208	1,430	287	213	1,750
24	439	896	690	e270	e620	2,030	303	225	964	262	188	1,600
25	426	784	e620	e260	e520	1,690	280	257	713	211	180	1,010
26	625	700	e600	e260	e460	1,510	288	670	584	188	178	813
27	652	642	e580	e250	e440	1,370	335	863	479	192	170	721
28	528	580	552	e250	410	1,430	297	633	417	210	162	1,110
29	476	521	514	e250	---	1,690	273	568	373	180	158	1,440
30	436	492	479	e250	---	3,290	247	502	348	156	162	1,260
31	405	---	488	248	---	2,180	---	510	---	148	160	---
TOTAL	17,997	20,305	17,183	15,040	8,287	35,219	21,700	9,699	25,942	6,503	9,255	23,496
MEAN	581	677	554	485	296	1,136	723	313	865	210	299	783
MAX	1,870	1,740	1,100	1,340	620	3,290	1,610	863	2,410	307	625	2,030
MIN	144	334	294	248	220	340	247	178	348	148	158	191

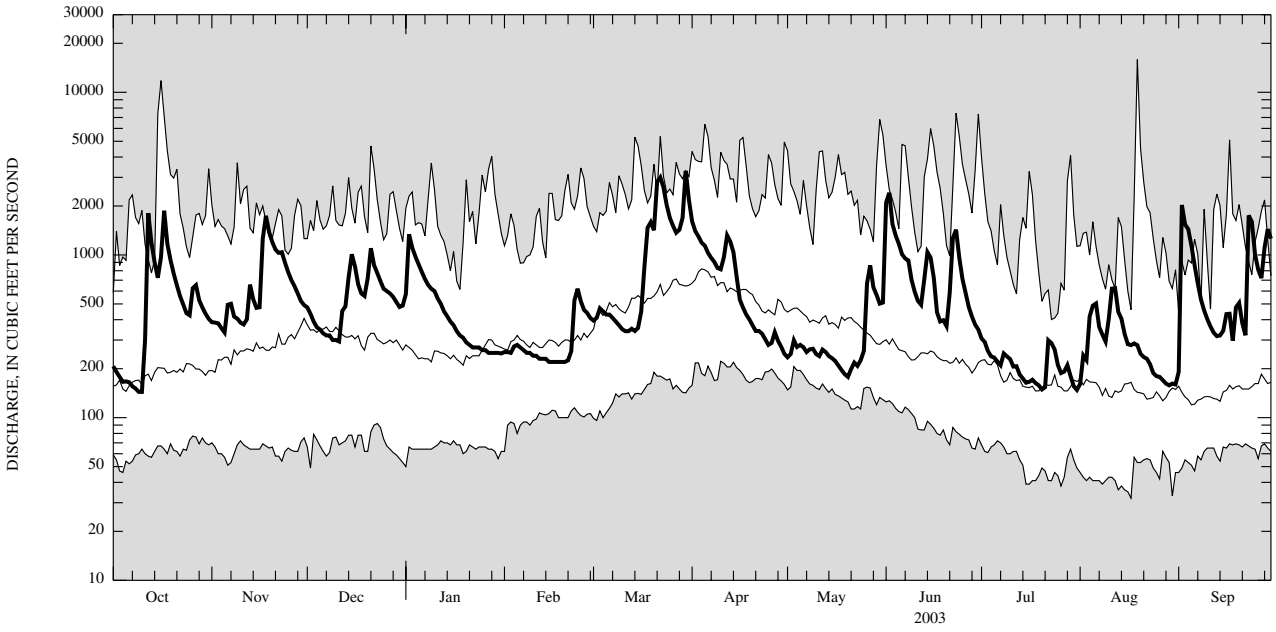
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

MEAN	297	379	436	370	404	690	831	541	400	237	223	230
MAX	2,033	1,094	1,227	1,053	981	1,370	2,080	1,392	1,722	652	1,327	783
(WY)	(1956)	(1956)	(1974)	(1979)	(1976)	(1977)	(1993)	(1989)	(1972)	(1972)	(1955)	(2003)
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)

01437500 NEVERSINK RIVER AT GODEFFROY, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1954 - 2003	
ANNUAL TOTAL	136,184		210,626			
ANNUAL MEAN	373		577		420	
HIGHEST ANNUAL MEAN					704	1956
LOWEST ANNUAL MEAN					215	1965
HIGHEST DAILY MEAN	2,320	Jun 7	3,290	Mar 30	15,900	Aug 19, 1955
LOWEST DAILY MEAN	60	Jan 19	144	Oct 9	32	Aug 17, 1965
ANNUAL SEVEN-DAY MINIMUM	64	Jan 3	156	Oct 4	38	Aug 11, 1965
10 PERCENT EXCEEDS	851		1,260		877	
50 PERCENT EXCEEDS	241		403		271	
90 PERCENT EXCEEDS	102		198		106	

e Estimated



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°47'43", 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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,800	3,580	4,960	6,760	e3,440	e5,150	18,700	5,720	9,560	5,600	2,630	2,120
2	1,460	3,480	5,100	14,500	e3,120	e4,470	16,300	5,450	19,700	5,140	3,040	10,700
3	1,410	3,320	4,790	17,600	e3,260	e4,720	15,500	8,600	15,000	4,500	3,680	26,400
4	1,560	3,020	4,260	13,500	e3,710	e5,200	14,400	9,800	12,800	3,930	3,690	28,500
5	2,030	2,810	3,990	11,300	e3,650	e4,990	14,000	8,530	11,900	3,710	5,640	34,100
6	1,990	2,960	3,860	9,810	e4,190	e4,790	14,000	7,510	10,700	3,630	7,140	21,300
7	1,850	4,360	3,750	8,810	e4,470	e4,940	13,400	6,760	9,590	3,490	7,330	15,200
8	1,960	4,230	3,250	8,130	e3,990	e4,650	12,800	6,030	11,100	3,190	5,720	11,800
9	1,830	3,800	3,210	7,820	e3,740	e4,140	12,000	5,710	9,860	3,070	5,590	9,530
10	1,890	3,180	e2,910	7,400	e3,650	4,360	11,300	4,990	8,410	2,910	6,120	7,850
11	2,410	3,100	3,510	6,730	e3,570	4,390	11,300	4,450	7,340	2,800	6,340	6,910
12	8,080	3,190	4,250	6,310	e3,300	3,930	12,100	4,540	7,440	4,080	12,200	5,720
13	12,600	4,480	4,770	e5,680	e2,960	4,030	11,500	5,960	9,440	3,180	11,000	4,570
14	8,980	5,750	6,520	e5,160	e3,090	3,990	10,400	5,640	11,300	2,470	9,510	4,030
15	6,490	5,000	8,780	e4,540	e3,010	3,880	9,550	5,400	15,300	e2,770	8,560	4,560
16	5,700	4,870	8,700	e4,530	e2,270	3,980	8,640	5,030	12,100	2,500	7,100	12,500
17	19,000	8,490	7,590	e3,880	e1,940	7,180	7,930	4,740	9,790	2,400	5,360	11,400
18	17,100	15,100	6,590	e3,380	e2,240	13,800	7,230	4,280	8,530	2,640	4,730	9,020
19	10,900	14,200	5,730	e3,480	e2,860	24,800	6,530	3,930	7,970	2,500	4,350	8,510
20	8,230	11,300	6,310	e3,390	e3,100	23,200	5,740	3,780	7,020	2,000	3,960	8,260
21	6,590	9,970	10,500	e3,360	e2,740	38,000	5,450	3,710	11,200	2,030	3,600	6,820
22	5,480	9,540	11,000	e3,040	e3,060	49,900	5,750	3,530	20,500	2,850	3,320	5,660
23	4,700	10,700	9,350	e3,120	e4,550	46,400	5,720	3,420	21,600	4,690	2,980	11,700
24	3,820	10,700	8,350	e3,360	e6,230	34,400	5,510	3,260	16,600	5,260	2,250	26,200
25	3,620	9,250	7,690	e3,410	e6,810	26,700	4,950	3,190	12,300	4,260	2,040	17,400
26	4,050	8,070	7,120	e3,610	e6,220	23,700	4,720	4,300	10,300	3,460	2,680	13,600
27	6,420	7,390	7,330	e3,420	e6,050	21,700	6,160	6,100	8,840	2,980	2,500	11,200
28	5,600	6,690	7,060	e3,090	e5,930	18,400	7,820	5,620	7,970	3,350	2,460	12,100
29	4,670	5,680	6,810	e3,330	---	16,700	6,880	5,250	6,750	3,460	1,960	18,600
30	4,190	5,180	5,930	e3,530	---	22,400	6,190	4,840	6,100	3,210	2,410	15,300
31	3,850	---	5,940	e3,500	---	22,200	---	4,400	---	3,090	2,150	---
TOTAL	170,260	193,390	189,910	189,480	107,150	461,880	292,470	164,470	337,010	105,150	152,040	381,560
MEAN	5,492	6,446	6,126	6,112	3,827	14,900	9,749	5,305	11,230	3,392	4,905	12,720
MAX	19,000	15,100	11,000	17,600	6,810	49,900	18,700	9,800	21,600	5,600	12,200	34,100
MIN	1,410	2,810	2,910	3,040	1,940	3,880	4,720	3,190	6,100	2,000	1,960	2,120

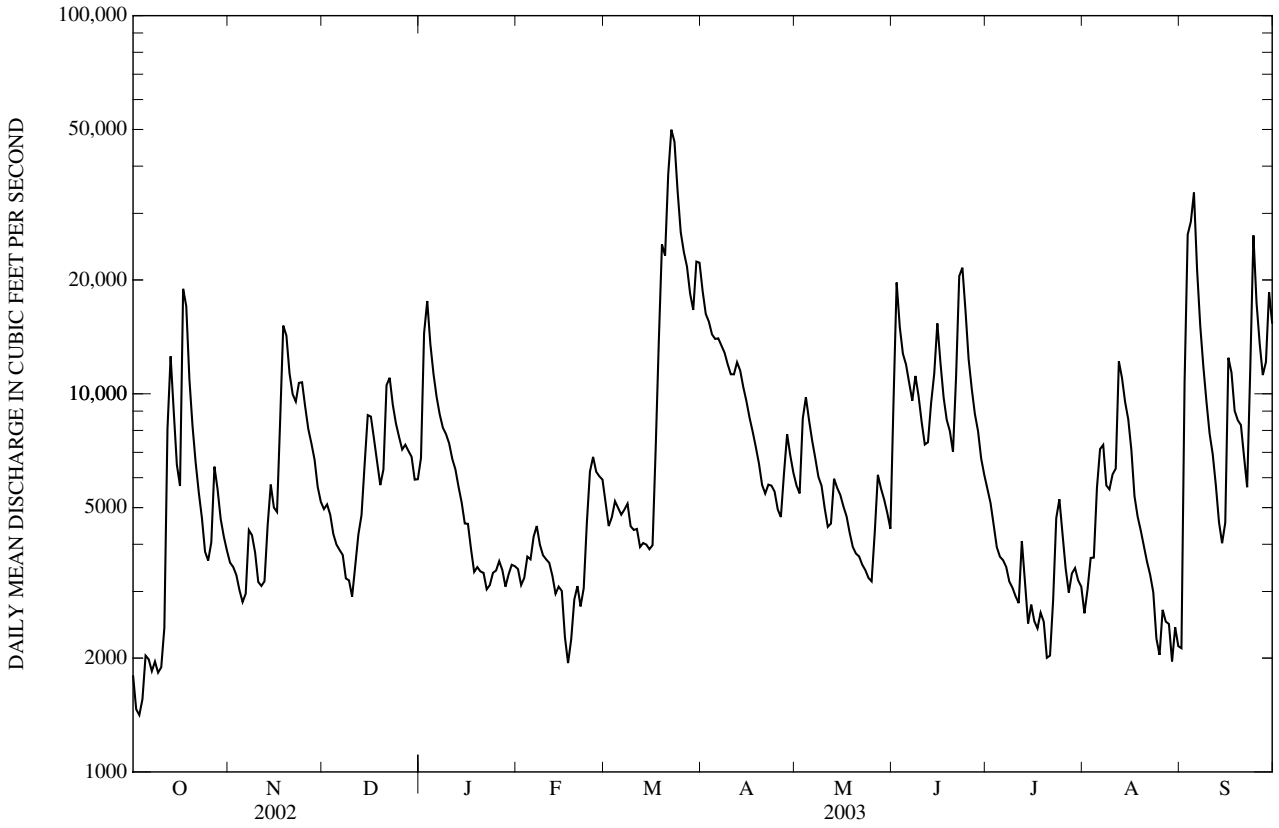
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	3,311	5,012	6,089	5,763	5,889	9,941	11,770	7,356	4,579	3,045	2,613	2,793
MAX	15,690	11,760	18,830	15,600	15,120	24,480	31,560	16,090	15,200	11,220	14,230	12,720
(WY)	(1956)	(1952)	(1997)	(1996)	(1976)	(1945)	(1940)	(1943)	(1972)	(1945)	(1955)	(2003)
MIN	807	995	1,665	1,318	1,748	3,191	3,322	2,215	1,214	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	1,673,524		2,744,770			
ANNUAL MEAN	4,585		7,520		5,675	
HIGHEST ANNUAL MEAN					8,621	1952
LOWEST ANNUAL MEAN					2,309	1965
HIGHEST DAILY MEAN	23,800	May 14	49,900	Mar 22	187,000	Aug 19, 1955
LOWEST DAILY MEAN	943	Jan 21	1,410	Oct 3	412	Aug 23, 1954
ANNUAL SEVEN-DAY MINIMUM	1,050	Jan 16	1,730	Oct 1	565	Jul 1, 1965
MAXIMUM PEAK FLOW			51,100	Mar 22	250,000a	Aug 19, 1955
MAXIMUM PEAK STAGE			16.03	Mar 22	35.15	Aug 19, 1955
INSTANTANEOUS LOW FLOW			1,210	Oct 3	382	Aug 24, 1954
10 PERCENT EXCEEDS	9,340		14,400		12,000	
50 PERCENT EXCEEDS	3,370		5,600		3,430	
90 PERCENT EXCEEDS	1,620		2,860		1,600	

a From rating curve extended above 90,000 ft^3/s on basis of flood-routing study.
e Estimated.



DELAWARE RIVER BASIN

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, 152,454 mil gal, Sept. 5, elevation, 1,281.43 ft; minimum observed, 88,154 mil gal, Oct. 12, elevation, 1,241.48 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, 106,423 mil gal, Mar. 23, elevation, 1,154.85 ft; minimum observed, 36,098 mil gal, Oct. 11, elevation, 1,099.91 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, 1,367.1 mil ft^3, Sept. 30, elevation, 1,069.5 ft; minimum observed, 1,084.5 mil ft^3, Feb. 28, elevation, 1,062.1 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, 1,116.2 mil ft^3, Apr. 14, 16, June 23, elevation, 1,220.5 ft; minimum observed, 681.9 mil ft^3, Oct. 11, elevation, 1,206.4 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, 128.59 mil ft^3, Aug. 11, elevation, 1,071.1 ft; minimum observed, 75.40 mil ft^3, Oct. 11, May 23, elevation, 1,063.7 ft.

DELAWARE RIVER BASIN

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, 37,564 mil gal, Mar. 30, elevation, 1,440.84 ft; minimum observed, 20,384 mil gal, Oct. 11, elevation, 1,400.12 ft.

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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)
	01416900 Pepacton Reservoir			**01424997 Cannonsville Reservoir**			**01433000 Swinging Bridge Reservoir**		
Sept. 30	1,244.67	92,537		1,101.44	37,608		1,064.0	1,153.9	
Oct. 31	1,247.84	97,018	+ 224	1,112.05	48,669	+ 552	1,067.9	1,303.2	+ 55.7
Nov. 30	1,257.67	111,772	+ 761	1,128.56	68,422	+1,019	1,068.2	1,315.1	+ 4.6
Dec. 31	1,263.98	121,892	+ 505	1,143.25	88,483	+1,001	1,067.4	1,283.6	- 11.8
CAL YR 2002	--	--	+ 271	--	--	+ 324	--	--	+ 12.4
Jan. 31	1,266.31	125,753	+ 193	1,150.52	99,455	+ 548	1,062.5	1,099.0	- 68.9
Feb. 28	1,265.04	123,639	- 117	1,150.60	99,583	+ 7.1	1,062.1	1,084.5	- 6.0
Mar. 31	1,280.89	151,448	+1,388	1,152.34	102,384	+ 140	1,067.2	1,275.7	+ 71.4
Apr. 30	1,280.28	150,318	- 58.3	1,151.31	100,726	- 85.5	1,063.8	1,146.5	- 49.8
May 31	1,280.41	150,559	+ 12.0	1,150.77	99,857	- 43.4	1,065.1	1,195.1	+ 18.1
June 30	1,279.80	149,431	- 58.2	1,150.25	99,021	- 43.1	1,069.1	1,350.9	+ 60.1
July 31	1,276.93	144,197	- 261	1,146.86	93,841	- 258	1,066.8	1,260.2	- 33.9
Aug. 31	1,278.66	147,338	+ 157	1,147.65	95,043	+ 60.0	1,065.3	1,202.7	- 21.5
Sept. 30	1,280.83	151,336	+ 206	1,151.20	100,549	+ 284	1,069.5	1,367.1	+ 63.4
WTR YR 2003	--	--	+249	--	--	+ 267	--	--	+ 6.8

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)
	01433100 Toronto Reservoir			**01433200 Cliff Lake**			**01435900 Neversink Reservoir**		
Sept. 30	1,206.6	687.2		1,063.9	76.64		1,402.44	21,208	
Oct. 31	1,210.2	786.5	+37.1	1,068.1	105.11	+10.6	1,412.78	25,106	+195
Nov. 30	1,214.2	904.2	+45.4	1,068.1	105.11	0.0	1,420.56	28,277	+164
Dec. 31	1,218.1	1,032.1	+47.7	1,067.3	99.32	- 2.2	1,423.04	29,329	+ 52.5
CAL YR 2002	--	--	+19.3	--	--	+ 2.0	--	--	+ 62.1
Jan. 31	1,218.4	1,042.4	+ 3.8	1,064.9	83.02	- 6.1	1,427.05	31,075	+ 87.1
Feb. 28	1,215.3	938.9	-42.8	1,064.0	77.26	- 2.4	1,423.05	29,333	- 96.3
Mar. 31	1,220.0	1,098.2	+59.5	1,067.8	102.92	+ 9.6	1,440.48	37,384	+402
Apr. 30	1,220.1	1,101.8	+ 1.4	1,064.0	77.26	- 9.9	1,436.83	35,598	- 92.1
May 31	1,220.1	1,101.8	0.0	1,065.1	84.32	+ 2.6	1,440.50	37,394	+ 89.6
June 30	1,220.2	1,105.4	+ 1.4	1,070.2	121.28	+14.3	1,439.21	36,757	- 32.9
July 31	1,219.8	1,091.2	- 5.3	1,067.0	97.16	- 9.0	1,436.76	35,565	- 59.5
Aug. 31	1,214.0	898.0	-72.1	1,068.4	107.36	+ 3.8	1,434.56	34,516	- 52.4
Sept. 30	1,219.3	1,073.7	+67.8	1,069.3	114.20	+ 2.6	1,440.20	37,246	+141
WTR YR 2003	--	--	+12.3	--	--	+ 1.2	--	--	+ 68.0

†† Elevation at daily reading on first day of following month.
† Elevation from reading on or nearest last day of month.

DELAWARE RIVER BASIN

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 2002 TO SEPTEMBER 2003

Month	01415200 Pepacton Reservoir	01423900 Cannonsville Reservoir	01435800 Neversink Reservoir
October	421	117	68.3
November	229	122	117
December	327	0.0	153
CAL YR 2002	362	293	116
January	334	2.4	66.4
February	466	107	199
March	285	223	31.6
April	468	41.2	211
May	498	193	68.8
June	295	64.0	195
July	564	430	115
August	361	219	371
September	274	16.2	391
WTR YR 2003	377	129	165

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.--Records good except those for estimated daily discharges, which are poor. Seasonal regulation of flow by Salmon River Reservoir at Redfield. Extensive diurnal fluctuation caused by powerplants at Bennett Bridge and Lighthouse Hill. Satellite and telephone gage-height telemeter at station.

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, 8,210 ft^3/s, May 13, gage height, 11.28 ft; minimum discharge, 133 ft^3/s, Oct. 4, gage height, 5.08 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	462	869	560	370	934	3,230	1,050	1,550	269	426	398
2	139	470	861	527	372	943	2,660	1,790	891	264	769	392
3	140	460	839	507	373	944	2,170	1,700	336	264	751	389
4	136	458	878	496	422	923	2,190	1,180	316	415	382	390
5	160	468	893	481	426	887	1,960	1,070	321	765	345	405
6	237	497	856	472	429	881	1,500	808	330	762	338	400
7	233	502	461	467	434	903	984	796	493	332	329	389
8	230	492	439	474	426	870	988	781	475	251	297	382
9	229	487	432	483	420	877	965	491	456	252	275	379
10	230	512	426	471	413	875	967	470	446	254	568	380
11	230	640	429	462	410	872	989	537	306	266	947	378
12	230	930	466	453	406	869	1,010	1,590	285	264	878	377
13	238	890	490	455	471	870	1,060	7,060	308	264	828	379
14	236	856	556	458	480	872	1,050	3,250	1,610	263	791	379
15	238	841	641	457	e470	872	1,150	2,170	1,850	260	795	379
16	251	831	586	397	e460	892	2,260	2,000	1,220	263	460	379
17	259	852	865	394	444	931	3,540	1,550	491	253	435	378
18	257	867	871	e390	443	994	2,600	687	456	402	271	378
19	290	867	878	386	441	1,270	2,570	502	447	755	257	383
20	349	867	920	e390	439	1,610	2,560	338	443	758	257	389
21	309	858	961	e390	870	1,980	2,440	345	500	309	260	387
22	280	887	918	e380	929	2,110	2,180	517	476	247	259	390
23	288	922	899	e380	971	2,500	1,950	1,130	295	235	256	474
24	377	906	873	e380	975	2,440	1,230	1,280	287	243	254	440
25	371	899	854	384	967	2,410	580	2,130	279	235	252	431
26	435	886	842	379	962	2,770	555	3,200	281	240	253	418
27	444	878	834	e380	949	3,860	563	4,260	279	255	256	420
28	459	859	832	e380	944	3,750	535	2,690	288	253	257	448
29	435	860	828	374	---	4,350	510	2,510	275	249	438	438
30	423	865	490	372	---	6,140	956	2,420	271	246	797	469
31	418	---	480	368	---	4,670	---	1,890	---	244	735	---
TOTAL	8,694	22,069	22,467	13,347	16,116	56,069	47,902	52,192	16,261	10,332	14,416	12,018
MEAN	280	736	725	431	576	1,809	1,597	1,684	542	333	465	401
MAX	459	930	961	560	975	6,140	3,540	7,060	1,850	765	947	474
MIN	136	458	426	368	370	869	510	338	271	235	252	377

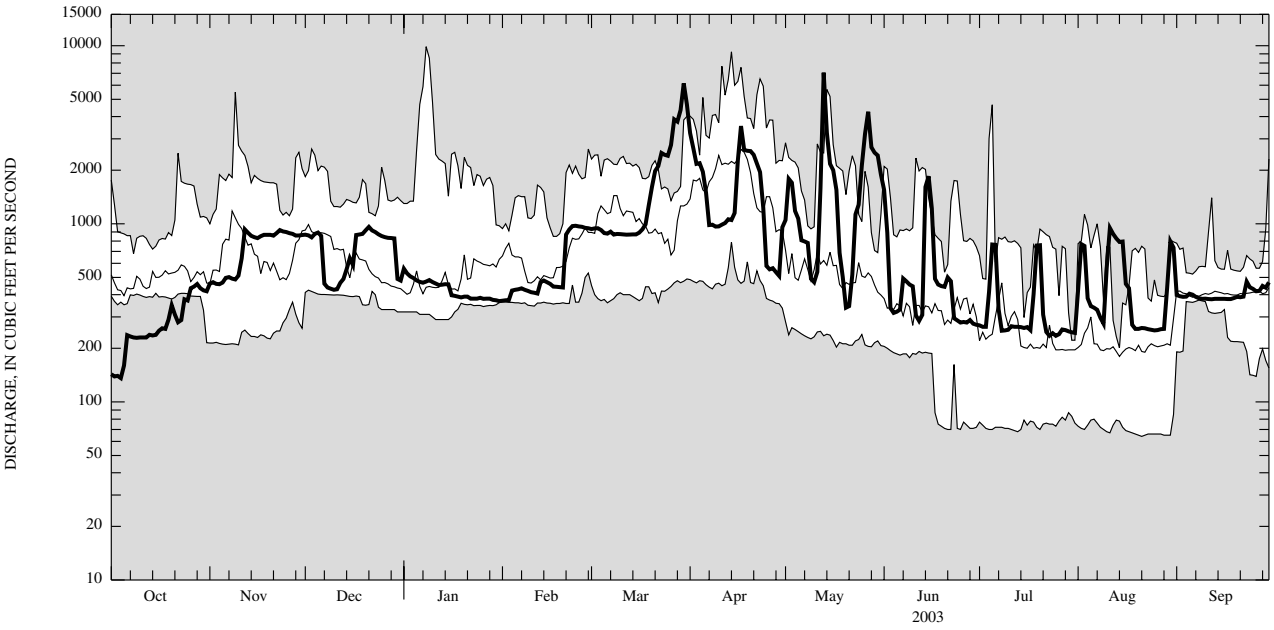
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

MEAN	568	787	768	808	726	1,174	1,923	842	439	305	264	434
MAX	822	1,295	1,397	1,704	1,291	1,809	2,818	1,684	768	610	465	609
(WY)	(1996)	(1996)	(1997)	(1998)	(1996)	(2003)	(1993)	(2003)	(1993)	(1999)	(2003)	(1994)
MIN	280	245	390	359	532	549	512	261	214	74.4	70.4	291
(WY)	(2003)	(1999)	(1999)	(2001)	(1995)	(1993)	(1995)	(1998)	(1995)	(1995)	(1995)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1993 - 2003	
ANNUAL TOTAL	303,002		291,883			
ANNUAL MEAN	830		800		747	
HIGHEST ANNUAL MEAN					920	1996
LOWEST ANNUAL MEAN					548	1995
HIGHEST DAILY MEAN	9,240	Apr 14	7,060	May 13	9,880	Jan 8, 1998
LOWEST DAILY MEAN	136	Oct 4	136	Oct 4	64	Aug 21, 1995
ANNUAL SEVEN-DAY MINIMUM	149	Sep 29	170	Oct 1	65	Aug 19, 1995
10 PERCENT EXCEEDS	1,810		1,810		1,610	
50 PERCENT EXCEEDS	495		471		470	
90 PERCENT EXCEEDS	222		257		209	

e Estimated

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.

04250750 SANDY CREEK NEAR ADAMS, NY
(National streamflow information program station)

LOCATION.--Lat 43°48'48", long 76°04'30", Jefferson County, Hydrologic Unit 04140102, on left bank 250 ft upstream from highway bridge on Liberty Street, 0.2 mi downstream from tributary, 2.5 mi downstream from Adams, and 10.0 mi upstream from mouth.

DRAINAGE AREA.--137 mi^2.

PERIOD OF RECORD.--August 1957 to March 1995, October 1995 to June 2002 (annual maximum only), June 2002 to current year.

REVISED RECORDS.--WDR NY-85-1: 1963-64(M), 1976-77(M), 1980(M), 1984(M). WDR NY-92-1: 1963, 1976-77, 1984.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 523.71 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Moderate diurnal fluctuation at low flow caused by mills upstream from station. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,700 ft^3/s, Jan. 19, 1996, gage height, 11.06 ft, from floodmark; minimum discharge, 1.5 ft^3/s, Sept. 17, 18, 1963, Aug. 19, 1964; minimum gage height not determined.

EXTREMES FOR CURRENT PERIOD.--June to September 2002: Maximum discharge, 524 ft^3/s, Sept. 28, gage height, 3.18 ft; minimum discharge, 2.9 ft^3/s, Sept. 9, 10, 11, 12; minimum gage height, 0.80 ft, part of each day Sept. 9-14.

Water year 2003: 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 21	2130	3,390	7.03	Mar 29	2000	*3,850	*7.69
Mar 26	0915	3,580	7.21	May 13	1100	3,810	7.65

Minimum discharge, 12 ft^3/s, Oct. 12, 13, gage height, 1.07 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	---	---	---	---	---	---	---	---	---	52	11	4.3
2	---	---	---	---	---	---	---	---	---	45	11	4.0
3	---	---	---	---	---	---	---	---	---	39	11	3.7
4	---	---	---	---	---	---	---	---	---	34	9.7	3.8
5	---	---	---	---	---	---	---	---	---	30	8.5	3.6
6	---	---	---	---	---	---	---	---	---	28	8.8	3.4
7	---	---	---	---	---	---	---	---	---	27	8.9	3.4
8	---	---	---	---	---	---	---	---	---	25	8.8	3.3
9	---	---	---	---	---	---	---	---	---	24	7.5	3.2
10	---	---	---	---	---	---	---	---	---	22	7.2	3.1
11	---	---	---	---	---	---	---	---	---	20	6.7	3.0
12	---	---	---	---	---	---	---	---	---	18	6.3	3.1
13	---	---	---	---	---	---	---	---	---	17	6.1	3.2
14	---	---	---	---	---	---	---	---	---	16	5.8	3.2
15	---	---	---	---	---	---	---	---	---	15	5.8	4.3
16	---	---	---	---	---	---	---	---	---	14	6.7	4.1
17	---	---	---	---	---	---	---	---	---	13	6.5	3.8
18	---	---	---	---	---	---	---	---	---	13	6.6	4.0
19	---	---	---	---	---	---	---	---	---	12	6.4	4.3
20	---	---	---	---	---	---	---	---	---	12	6.3	4.5
21	---	---	---	---	---	---	---	---	---	11	6.3	4.5
22	---	---	---	---	---	---	---	---	70	11	7.7	5.2
23	---	---	---	---	---	---	---	---	110	14	7.8	9.6
24	---	---	---	---	---	---	---	---	93	15	8.7	17
25	---	---	---	---	---	---	---	---	70	14	8.1	11
26	---	---	---	---	---	---	---	---	58	13	7.1	8.9
27	---	---	---	---	---	---	---	---	84	15	6.2	59
28	---	---	---	---	---	---	---	---	137	14	5.9	279
29	---	---	---	---	---	---	---	---	87	13	5.7	73
30	---	---	---	---	---	---	---	---	57	12	5.5	36
31	---	---	---	---	---	---	---	---	---	12	5.3	---
TOTAL	---	---	---	---	---	---	---	---	---	620	229.9	576.5
MEAN	---	---	---	---	---	---	---	---	---	20.0	7.42	19.2
MAX	---	---	---	---	---	---	---	---	---	52	11	279
MIN	---	---	---	---	---	---	---	---	---	11	5.3	3.0
CFSM	---	---	---	---	---	---	---	---	---	0.15	0.05	0.14
IN.	---	---	---	---	---	---	---	---	---	0.17	0.06	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2002, BY WATER YEAR (WY)

MEAN	183	365	376	277	309	583	703	237	103	59.7	50.6	81.6
MAX	568	725	793	684	1,166	1,571	1,695	720	349	455	248	367
(WY)	(1977)	(1993)	(1974)	(1990)	(1981)	(1977)	(1993)	(1976)	(1972)	(1972)	(1981)	(1958)
MIN	5.56	95.6	82.7	76.8	60.4	144	311	63.0	21.9	6.41	7.11	3.96
(WY)	(1964)	(1961)	(1961)	(1961)	(1980)	(1967)	(1968)	(1987)	(1962)	(1966)	(1978)	(1960)

04250750 SANDY CREEK NEAR ADAMS, NY—Continued

SUMMARY STATISTICS	WATER YEARS 1957 - 2002	
ANNUAL MEAN	277	
HIGHEST ANNUAL MEAN	425	1976
LOWEST ANNUAL MEAN	173	1965
HIGHEST DAILY MEAN	6,440	Feb 25, 1985
LOWEST DAILY MEAN	2.2	Sep 7, 1960
ANNUAL SEVEN-DAY MINIMUM	3.2	Sep 8, 2002
ANNUAL RUNOFF (CFSM)	2.03	
ANNUAL RUNOFF (INCHES)	27.52	
10 PERCENT EXCEEDS	666	
50 PERCENT EXCEEDS	136	
90 PERCENT EXCEEDS	14	

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	57	262	1,100	90	e220	731	198	719	40	35	40
2	22	64	204	620	100	e210	581	400	581	35	47	37
3	26	57	187	497	103	e190	517	400	404	31	75	35
4	30	51	175	391	181	e180	376	270	312	28	806	35
5	25	56	205	327	277	e160	434	220	273	27	489	33
6	26	75	193	289	350	e150	499	266	331	25	773	30
7	22	100	173	235	369	e140	441	250	269	24	415	28
8	19	79	175	e200	295	e140	389	214	229	23	254	26
9	17	94	114	e180	279	e150	352	185	192	23	602	24
10	15	98	156	e170	246	e170	396	159	166	21	1,360	23
11	14	132	159	e160	210	e160	564	213	146	29	1,060	22
12	13	196	173	e150	200	e150	750	1,040	141	35	1,270	21
13	13	137	212	e130	172	e140	906	2,490	197	33	1,050	20
14	14	108	268	e120	158	e140	770	1,280	492	31	491	19
15	15	119	365	e130	142	e130	1,140	768	326	26	318	18
16	17	131	306	e140	126	e150	1,220	541	213	25	235	18
17	84	138	208	e150	126	e200	651	413	159	24	185	18
18	95	156	206	e140	126	e400	471	325	128	21	152	17
19	195	126	241	e130	124	1,130	467	266	111	20	124	18
20	390	206	1,100	e130	119	1,110	451	223	107	19	103	17
21	213	252	1,190	e120	117	2,630	415	224	99	17	87	18
22	125	281	769	e110	119	3,130	384	201	99	68	79	18
23	88	392	572	e110	e130	2,460	388	169	85	77	69	48
24	67	291	429	e100	e170	1,650	411	269	72	76	58	83
25	55	272	e350	e90	e280	2,310	431	592	62	107	51	56
26	60	277	e300	83	e270	3,140	373	1,050	54	72	48	49
27	81	227	e280	82	e260	1,770	396	1,010	48	54	45	41
28	75	155	e260	86	e240	1,420	302	823	44	49	40	86
29	62	151	e240	86	---	2,870	242	622	40	41	44	126
30	51	220	232	84	---	1,910	208	541	41	33	65	203
31	45	---	403	81	---	1,080	---	411	---	28	48	---
TOTAL	2,000	4,698	10,107	6,421	5,379	29,790	15,656	16,033	6,140	1,162	10,478	1,227
MEAN	64.5	157	326	207	192	961	522	517	205	37.5	338	40.9
MAX	390	392	1,190	1,100	369	3,140	1,220	2,490	719	107	1,360	203
MIN	13	51	114	81	90	130	208	159	40	17	35	17
CFSM	0.47	1.14	2.38	1.51	1.40	7.01	3.81	3.78	1.49	0.27	2.47	0.30
IN.	0.54	1.28	2.74	1.74	1.46	8.09	4.25	4.35	1.67	0.32	2.85	0.33

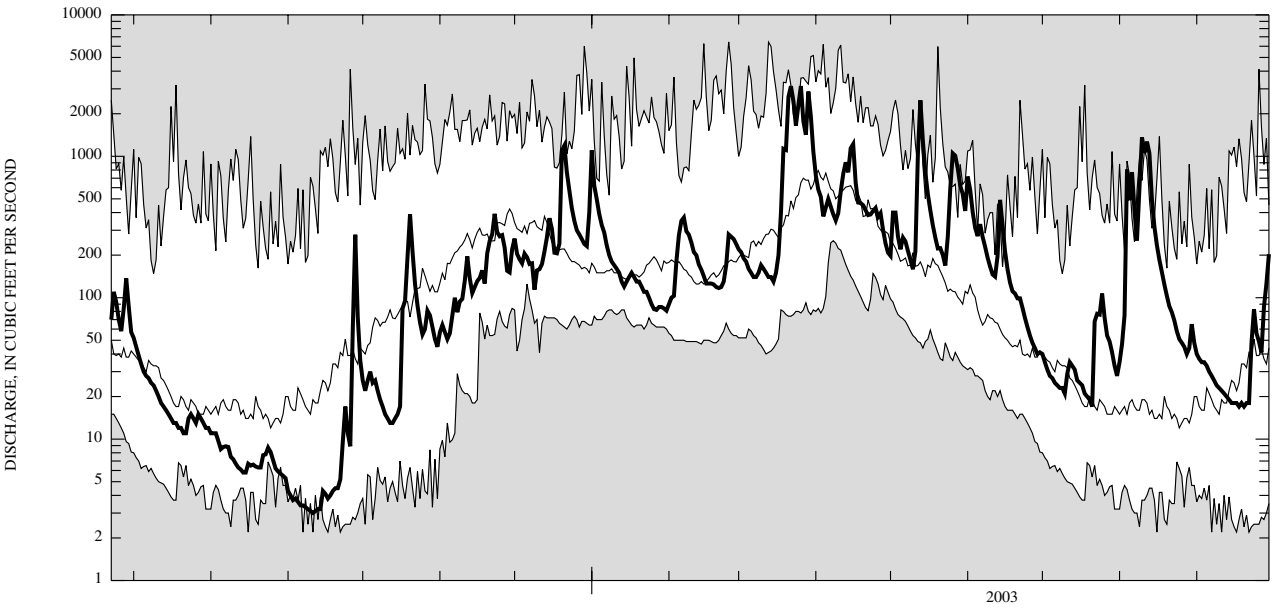
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2003, BY WATER YEAR (WY)

MEAN	180	360	375	275	306	592	699	245	106	59.1	58.0	80.6
MAX	568	725	793	684	1,166	1,571	1,695	720	349	455	338	367
(WY)	(1977)	(1993)	(1974)	(1990)	(1981)	(1977)	(1993)	(1976)	(1972)	(1972)	(2003)	(1958)
MIN	5.56	95.6	82.7	76.8	60.4	144	311	63.0	21.9	6.41	7.11	3.96
(WY)	(1964)	(1961)	(1961)	(1961)	(1980)	(1967)	(1968)	(1987)	(1962)	(1966)	(1978)	(1960)

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1957 - 2003	
ANNUAL TOTAL	109,091			
ANNUAL MEAN	299		278	
HIGHEST ANNUAL MEAN			425	1976
LOWEST ANNUAL MEAN			173	1965
HIGHEST DAILY MEAN	3,140	Mar 26	6,440	Feb 25, 1985
LOWEST DAILY MEAN	13	Oct 12	2.2	Sep 7, 1960
ANNUAL SEVEN-DAY MINIMUM	14	Oct 9	3.2	Sep 8, 2002
ANNUAL RUNOFF (CFSM)	2.18		2.03	
ANNUAL RUNOFF (INCHES)	29.62		27.57	
10 PERCENT EXCEEDS	724		666	
50 PERCENT EXCEEDS	156		138	
90 PERCENT EXCEEDS	25		15	

e Estimated

04250750 SANDY CREEK NEAR ADAMS, NY—Continued



JUNE 22, 2002 THROUGH 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 MARCH 1995.

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. Satellite and telephone and 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)
Mar 21	0815	ice jam	*10.04	May 12	2300	4,060	8.43
Mar 30	1300	*5,310	9.02				

Minimum discharge, 106 ft^3/s, Sept. 12, gage height, 3.59 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	272	583	e560	957	e260	e410	2,300	918	1,670	219	395	252
2	190	607	e500	1,110	e260	e390	1,710	1,140	1,640	227	439	224
3	332	519	e440	956	e270	e370	1,510	1,550	1,310	181	328	239
4	314	475	e430	853	e310	e350	1,460	1,320	1,070	183	368	310
5	383	491	e440	726	e400	e340	1,390	1,100	936	188	416	418
6	372	631	e450	664	e500	e330	1,300	934	1,060	192	528	249
7	291	802	e450	561	e540	e320	1,150	836	840	210	464	211
8	252	690	e430	e520	e540	e320	1,070	788	787	256	336	189
9	210	633	e400	e500	e520	e340	999	733	691	236	486	182
10	193	846	e400	e480	e470	e360	980	791	658	179	1,120	161
11	188	1,370	e410	e460	e430	e370	1,120	779	645	421	1,310	188
12	212	1,690	e420	e450	e400	e350	1,180	3,060	788	400	1,090	144
13	230	1,540	e470	e430	e380	e320	1,490	3,790	809	324	1,020	146
14	232	1,270	e540	e410	e360	e310	1,510	3,670	1,270	300	607	146
15	225	1,010	e640	e400	e340	e310	1,660	2,390	1,190	212	478	242
16	370	829	e600	e380	e320	e320	2,860	1,690	853	351	418	951
17	1,500	924	e580	e370	e300	e430	3,280	1,280	657	393	593	794
18	1,370	1,050	e560	e360	e280	e700	2,320	1,060	551	290	481	440
19	1,260	878	e600	e350	e270	e1,100	1,730	985	479	227	340	385
20	1,820	803	e850	e340	e270	e1,600	1,750	800	489	200	286	816
21	1,660	872	e1,700	e330	e280	e2,700	2,020	818	609	217	248	896
22	1,120	1,090	1,640	e320	e300	e3,600	2,240	813	997	1,050	222	600
23	830	1,790	1,280	e310	e330	3,500	2,260	733	808	1,110	207	1,030
24	610	1,680	1,020	e300	e400	2,630	1,970	917	567	1,060	195	1,370
25	482	1,340	770	e290	e450	2,260	1,580	1,870	423	892	189	1,110
26	867	1,110	e720	e290	e470	2,930	1,290	1,870	350	612	208	969
27	1,210	921	e660	e280	e460	3,170	1,220	1,820	274	420	167	797
28	1,140	688	e600	e270	e440	2,650	1,170	2,030	250	409	170	1,200
29	865	e640	e560	e260	---	3,340	1,110	2,800	247	329	251	1,910
30	708	e600	543	e260	---	4,970	1,020	2,230	245	267	642	1,590
31	538	---	590	e250	---	3,510	---	1,620	---	234	368	---
TOTAL	20,246	28,372	20,253	14,437	10,550	44,600	48,649	47,135	23,163	11,789	14,370	18,159
MEAN	653	946	653	466	377	1,439	1,622	1,520	772	380	464	605
MAX	1,820	1,790	1,700	1,110	540	4,970	3,280	3,790	1,670	1,110	1,310	1,910
MIN	188	475	400	250	260	310	980	733	245	179	167	144

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2003, BY WATER YEAR (WY)

MEAN	537	739	727	647	577	1,025	1,891	990	522	355	287	382
MAX	1,695	1,480	1,759	1,837	1,410	2,394	3,313	2,402	1,707	980	760	1,157
(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)

04252500 BLACK RIVER NEAR BOONVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1911 - 2003	
ANNUAL TOTAL	295,641		301,723			
ANNUAL MEAN	810		827		723	
HIGHEST ANNUAL MEAN					1,119	1976
LOWEST ANNUAL MEAN					448	1931
HIGHEST DAILY MEAN	6,100	Apr 14	4,970	Mar 30	11,100	Dec 30, 1984
LOWEST DAILY MEAN	94	Sep 14	144	Sep 12	7.0	Aug 26, 1918
ANNUAL SEVEN-DAY MINIMUM	109	Sep 9	165	Sep 8	19	Aug 22, 1918
10 PERCENT EXCEEDS	1,580		1,690		1,540	
50 PERCENT EXCEEDS	620		560		472	
90 PERCENT EXCEEDS	160		233		172	

e Estimated



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. 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/recorded 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 26	1845	1,380	6.44	Apr 16	1600	1,320	6.36
Mar 30	0815	*2,390	*7.61	May 13	2330	1,550	6.66

Minimum discharge, 27 ft^3/s, Sept. 12, 13, 14, 15, gage height, 3.35 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	129	147	197	e58	e94	533	186	398	52	53	60
2	96	123	140	285	e60	e88	393	243	340	49	54	49
3	117	117	e130	230	e64	e84	332	336	274	48	58	43
4	153	106	e120	170	e70	e82	279	262	219	44	58	42
5	132	102	e110	146	e90	e78	274	205	199	43	60	41
6	120	111	e110	e130	e120	e74	251	192	199	42	101	38
7	100	123	e120	e120	e140	e72	217	186	178	42	115	36
8	86	119	e120	e110	e140	e70	205	166	158	44	83	34
9	74	134	e120	e110	e130	e78	184	152	139	43	67	32
10	67	235	e110	e110	e130	e84	176	137	125	44	310	30
11	61	322	e110	e120	e120	e82	225	145	113	54	357	29
12	61	309	e120	e130	e110	e68	254	725	110	71	198	28
13	66	270	e130	e140	e100	e66	395	1,330	115	80	138	27
14	69	227	e150	e130	e94	e64	423	1,280	233	71	101	30
15	66	193	e170	e120	e84	e62	561	708	252	62	78	30
16	79	165	e190	e110	e76	e66	1,150	434	175	56	66	59
17	668	198	e170	e110	e70	e90	859	304	128	54	58	82
18	658	329	e160	e100	e64	e160	504	239	104	48	51	61
19	403	266	e160	e90	e60	e320	425	204	95	41	45	48
20	559	213	e180	e88	e58	e420	443	169	109	37	43	53
21	462	226	e400	e84	e60	e650	440	179	108	40	40	67
22	289	267	456	e80	e64	e1,100	402	176	108	50	38	55
23	211	533	297	e76	e74	1,110	414	152	94	58	36	79
24	167	483	221	e70	e88	789	379	177	81	64	32	123
25	139	312	e180	e68	e100	710	331	437	73	93	31	95
26	155	239	e160	e64	e110	1,190	302	818	66	74	31	84
27	228	197	152	e62	e110	1,080	318	1,160	61	58	31	77
28	223	e170	137	e60	e100	764	277	848	58	56	30	276
29	185	e160	128	e58	---	1,110	230	670	54	54	34	496
30	155	e150	e120	e58	---	2,040	199	558	57	47	68	293
31	132	---	123	e58	---	920	---	412	---	42	80	---
TOTAL	6,099	6,528	5,141	3,484	2,544	13,665	11,375	13,190	4,423	1,661	2,545	2,497
MEAN	197	218	166	112	90.9	441	379	425	147	53.6	82.1	83.2
MAX	668	533	456	285	140	2,040	1,150	1,330	398	93	357	496
MIN	61	102	110	58	58	62	176	137	54	37	30	27
CFSM	2.22	2.45	1.87	1.27	1.02	4.97	4.27	4.80	1.66	0.60	0.93	0.94
IN.	2.56	2.74	2.16	1.46	1.07	5.73	4.77	5.53	1.85	0.70	1.07	1.05

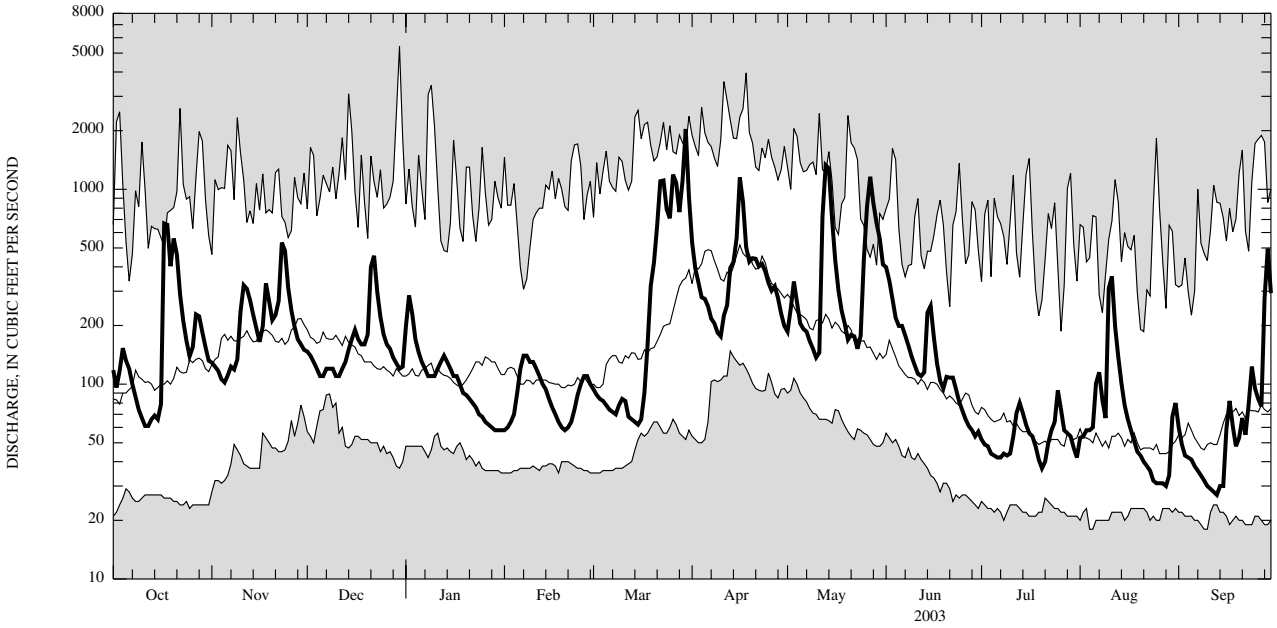
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2003, BY WATER YEAR (WY)

MEAN	159	225	204	168	151	281	514	261	132	87.2	78.1	106
MAX	509	427	524	489	392	707	1,014	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)

04256000 INDEPENDENCE RIVER AT DONNATTSBURG, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1942 - 2003	
ANNUAL TOTAL	74,485		73,152			
ANNUAL MEAN	204		200		197	
HIGHEST ANNUAL MEAN					292	1947
LOWEST ANNUAL MEAN					132	1961
HIGHEST DAILY MEAN	1,580	Apr 14	2,040	Mar 30	5,410	Dec 30, 1984
LOWEST DAILY MEAN	18	Sep 9	27	Sep 13	18	Aug 4, 1949
ANNUAL SEVEN-DAY MINIMUM	20	Sep 4	29	Sep 9	20	Sep 4, 2002
ANNUAL RUNOFF (CFSM)	2.30		2.26		2.22	
ANNUAL RUNOFF (INCHES)	31.24		30.68		30.19	
10 PERCENT EXCEEDS	463		435		419	
50 PERCENT EXCEEDS	152		120		120	
90 PERCENT EXCEEDS	32		48		43	

e Estimated



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, 1,679.60 ft, May 29, contents, 4,800 mil ft^3; minimum, 1,657.76 ft, Mar. 12, contents, 580 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 ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,664.66	1,668.34	1,668.95	1,667.85	1,662.77	1,658.60	1,669.12	1,677.32	1,679.33	1,677.22	1,674.94	1,672.74
2	1,664.67	1,668.43	1,669.05	1,667.84	1,662.62	1,658.41	1,669.56	1,677.54	1,679.17	1,677.14	1,674.86	1,672.67
3	1,664.77	1,668.49	1,669.02	1,667.75	1,662.46	1,658.27	1,669.93	1,677.76	1,679.04	1,677.05	1,674.79	1,672.60
4	1,664.82	1,668.54	1,668.96	1,667.62	1,662.37	1,658.21	1,670.32	1,677.91	1,679.02	1,676.97	1,674.71	1,672.51
5	1,664.84	1,668.60	1,668.89	1,667.49	1,662.32	1,658.15	1,670.63	1,678.05	1,678.99	1,676.88	1,674.67	1,672.43
6	1,664.91	1,668.67	1,668.83	1,667.34	1,662.23	1,658.11	1,670.87	1,678.17	1,678.96	1,676.80	1,674.74	1,672.34
7	1,664.90	1,668.69	1,668.76	1,667.17	1,662.14	1,658.05	1,671.09	1,678.28	1,678.93	1,676.72	1,674.73	1,672.25
8	1,664.95	1,668.60	1,668.70	1,667.03	1,662.03	1,657.98	1,671.28	1,678.36	1,678.87	1,676.62	1,674.68	1,672.17
9	1,664.96	1,668.54	1,668.63	1,666.89	1,661.90	1,657.95	1,671.44	1,678.43	1,678.78	1,676.54	1,674.65	1,672.08
10	1,664.97	1,668.52	1,668.55	1,666.73	1,661.77	1,657.89	1,671.59	1,678.50	1,678.72	1,676.46	1,674.81	1,671.98
11	1,664.98	1,668.56	1,668.46	1,666.58	1,661.63	1,657.82	1,671.74	1,678.60	1,678.63	1,676.41	1,674.95	1,671.89
12	1,665.00	1,668.62	1,668.40	1,666.41	1,661.49	1,657.78	1,671.88	1,678.87	1,678.55	1,676.34	1,675.02	1,671.80
13	1,665.00	1,668.63	1,668.31	1,666.22	1,661.33	1,657.79	1,672.07	1,679.15	1,678.47	1,676.28	1,675.02	1,671.61
14	1,665.00	1,668.62	1,668.27	1,666.03	1,661.16	1,657.79	1,672.27	1,679.39	1,678.43	1,676.21	1,674.99	1,671.41
15	1,665.01	1,668.60	1,668.25	1,665.82	1,660.97	1,657.79	1,672.53	1,679.49	1,678.38	1,676.13	1,674.96	1,671.24
16	1,665.07	1,668.59	1,668.21	1,665.61	1,660.80	1,657.79	1,673.10	1,679.49	1,678.31	1,676.06	1,674.90	1,671.16
17	1,665.54	1,668.60	1,668.14	1,665.40	1,660.62	1,657.84	1,673.61	1,679.45	1,678.20	1,676.00	1,674.84	1,671.11
18	1,665.92	1,668.60	1,668.05	1,665.18	1,660.42	1,657.98	1,673.93	1,679.39	1,678.09	1,675.95	1,674.73	1,671.04
19	1,666.20	1,668.59	1,667.96	1,664.95	1,660.22	1,658.25	1,674.22	1,679.33	1,677.99	1,675.85	1,674.53	1,670.98
20	1,666.69	1,668.55	1,667.94	1,664.73	1,660.03	1,658.62	1,674.55	1,679.25	1,677.90	1,675.76	1,674.33	1,670.89
21	1,667.05	1,668.53	1,668.05	1,664.49	1,659.83	1,659.36	1,674.89	1,679.19	1,677.80	1,675.68	1,674.13	1,670.81
22	1,667.26	1,668.54	1,668.11	1,664.26	1,659.64	1,660.51	1,675.25	1,679.12	1,677.76	1,675.64	1,673.91	1,670.73
23	1,667.41	1,668.70	1,668.15	1,664.11	1,659.50	1,661.54	1,675.61	1,679.04	1,677.72	1,675.60	1,673.69	1,670.70
24	1,667.52	1,668.84	1,668.16	1,663.97	1,659.41	1,662.23	1,675.92	1,678.98	1,677.66	1,675.55	1,673.47	1,670.67
25	1,667.61	1,668.90	1,668.14	1,663.83	1,659.29	1,662.85	1,676.17	1,678.98	1,677.60	1,675.49	1,673.25	1,670.61
26	1,667.73	1,668.92	1,668.10	1,663.69	1,659.14	1,663.74	1,676.41	1,679.09	1,677.54	1,675.40	1,673.07	1,670.56
27	1,667.87	1,668.91	1,668.05	1,663.55	1,658.97	1,664.61	1,676.63	1,679.33	1,677.46	1,675.33	1,672.97	1,670.49
28	1,668.01	1,668.89	1,667.99	1,663.40	1,658.79	1,665.29	1,676.82	1,679.46	1,677.40	1,675.26	1,672.90	1,670.62
29	1,668.12	1,668.90	1,667.93	1,663.25	---	1,666.22	1,677.01	1,679.57	1,677.33	1,675.18	1,672.85	1,670.73
30	1,668.20	1,668.90	1,667.86	1,663.09	---	1,667.70	1,677.17	1,679.56	1,677.29	1,675.09	1,672.87	1,670.76
31	1,668.26	---	1,667.80	1,662.93	---	1,668.57	---	1,679.44	---	1,675.01	1,672.81	---
MEAN	1,666.06	1,668.65	1,668.34	1,665.52	1,660.92	1,660.12	1,673.25	1,678.85	1,678.28	1,676.09	1,674.25	1,671.45
MAX	1,668.26	1,668.92	1,669.05	1,667.85	1,662.77	1,668.57	1,677.17	1,679.57	1,679.33	1,677.22	1,675.02	1,672.74
MIN	1,664.66	1,668.34	1,667.80	1,662.93	1,658.79	1,657.78	1,669.12	1,677.32	1,677.29	1,675.01	1,672.81	1,670.49
†	2095	2212	20069	1192	675	2208	4135	4739	4143	3546	3029	2590
††	+237	+45.1	-75.8	-305	-214	+572	+743	+226	-230	-223	-193	-169

CAL YR 2002 MEAN 1,670.10 MAX 1,678.68 MIN 1,662.17
WTR YR 2003 MEAN 1,670.19 MAX 1,679.57 MIN 1,657.78

† 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 Oct. 1, Dec. 4, Feb. 16-17, 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 and crest-stage gage. 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. Satellite gege-height telemeter at station.

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, 2,160 ft^3/s, Mar. 30, gage height, 4.78 ft; minimum discharge, 129 ft^3/s, Oct. 17, gage height, 1.60 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	349	295	648	686	519	570	849	403	1,760	389	410	353
2	286	296	432	600	515	535	635	394	1,680	373	389	347
3	284	293	371	788	511	471	527	374	1,570	373	405	330
4	283	294	303	926	522	328	335	359	1,240	372	591	374
5	282	294	509	846	620	320	425	336	1,020	370	684	308
6	280	306	732	824	601	323	465	328	911	320	503	336
7	280	314	593	814	602	347	402	327	889	340	456	313
8	278	309	482	702	571	320	365	322	849	280	415	355
9	277	304	478	678	568	328	367	318	827	332	406	309
10	278	423	536	731	585	337	383	314	777	322	547	305
11	276	597	531	773	603	305	416	321	776	359	562	264
12	278	601	604	758	609	265	435	479	814	340	568	307
13	280	642	532	765	605	268	536	1,330	775	353	652	496
14	278	763	618	904	568	273	550	1,880	849	343	461	595
15	276	724	703	811	551	281	694	1,470	976	370	473	572
16	286	601	733	790	563	318	825	1,250	940	348	376	513
17	232	627	648	731	565	360	1,140	1,060	874	386	363	410
18	356	670	604	e800	565	441	812	1,010	769	391	406	496
19	322	793	606	e720	564	695	616	969	711	372	608	325
20	339	767	674	e700	557	545	611	885	707	383	662	308
21	494	605	804	e690	548	924	406	689	590	363	559	297
22	616	678	989	e680	549	1,260	476	964	420	423	749	364
23	562	921	975	661	588	1,230	502	967	457	401	712	372
24	311	998	754	603	595	1,170	601	942	374	500	624	368
25	291	893	669	528	488	1,180	545	969	375	442	646	434
26	303	673	631	492	531	1,260	553	1,250	419	426	664	332
27	308	640	595	500	582	1,140	460	1,920	380	447	445	339
28	305	666	587	504	577	1,050	372	1,760	419	358	419	415
29	299	665	602	492	---	887	486	1,460	400	371	334	657
30	296	581	594	492	---	1,950	326	1,680	357	336	373	719
31	293	---	579	508	---	1,610	---	1,780	---	355	298	---
TOTAL	9,878	17,233	19,116	21,497	15,822	21,291	16,115	28,510	23,905	11,538	15,760	11,913
MEAN	319	574	617	693	565	687	537	920	797	372	508	397
MAX	616	998	989	926	620	1,950	1,140	1,920	1,760	500	749	719
MIN	232	293	303	492	488	265	326	314	357	280	298	264

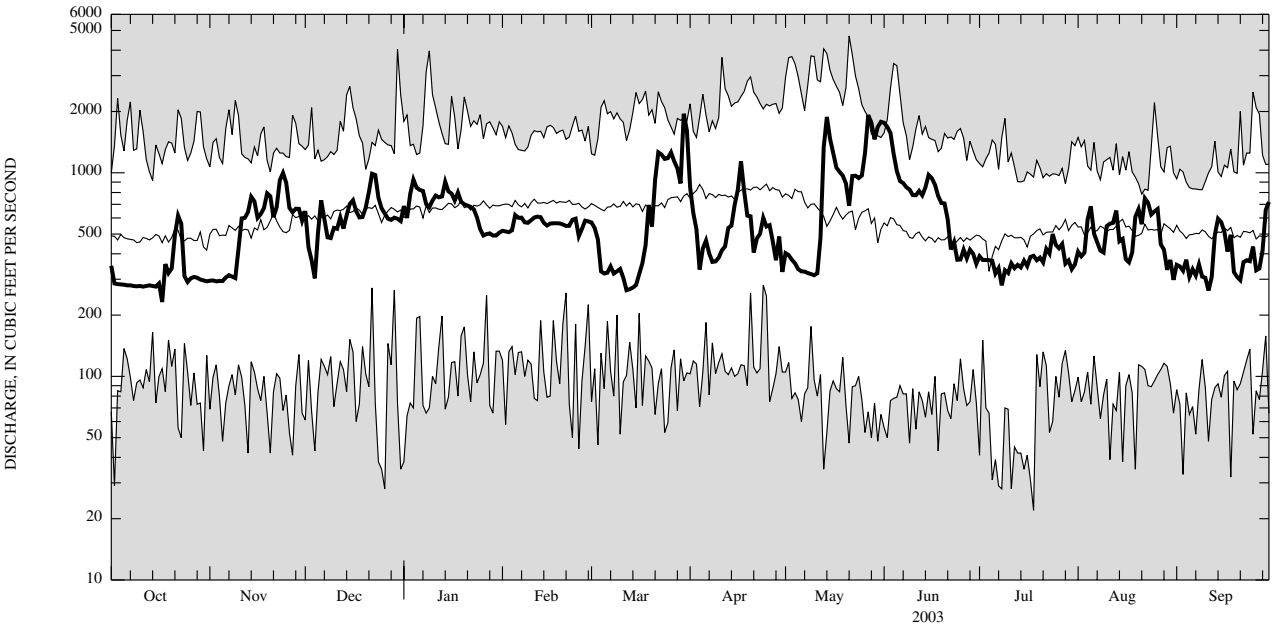
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	511	574	642	681	705	709	822	735	528	495	522	508
MAX	944	1,144	1,190	1,486	1,519	1,490	1,561	1,977	1,184	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	241,059		212,578			
ANNUAL MEAN	660		582		619	
HIGHEST ANNUAL MEAN					916	1976
LOWEST ANNUAL MEAN					361	1931
HIGHEST DAILY MEAN	2,080	Apr 14	1,950	Mar 30	4,700	May 21, 1969
LOWEST DAILY MEAN	232	Oct 17	232	Oct 17	22	Jul 18, 1965
ANNUAL SEVEN-DAY MINIMUM	272	Oct 11	272	Oct 11	37	Jul 12, 1965
10 PERCENT EXCEEDS	1,080		941		981	
50 PERCENT EXCEEDS	587		522		579	
90 PERCENT EXCEEDS	319		305		286	

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). 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)
Mar 24	2245	*23,100	a*9.85	Mar 31	1730	22,300	9.70

a Recorded; outside gage height was 10.21 ft, from crest-stage gage.

Minimum discharge, 665 ft^3/s, Dec. 10, gage height, 2.06 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,840	2,880	4,360	4,460	2,110	e2,600	20,500	5,460	11,700	1,520	1,630	1,760
2	2,000	2,920	3,640	5,150	2,140	e2,400	15,800	5,220	11,100	1,430	1,600	1,480
3	1,790	2,880	3,120	5,360	2,150	e2,100	12,600	5,760	10,100	1,380	2,150	1,500
4	1,710	2,740	2,720	5,240	2,270	e2,300	10,300	6,120	9,050	1,400	3,360	1,410
5	1,850	2,520	2,670	4,970	e2,500	e2,100	8,750	6,120	7,670	1,290	3,830	1,440
6	1,890	2,650	3,190	4,550	e3,200	e2,000	7,640	5,620	6,560	1,170	4,700	1,430
7	1,950	2,910	3,260	4,130	4,220	e2,100	7,220	4,950	5,660	1,280	3,920	1,410
8	1,850	3,130	3,020	3,540	4,660	2,250	6,560	4,330	5,010	1,260	3,150	1,280
9	1,660	2,980	2,900	3,580	4,150	2,360	5,840	3,840	4,510	1,360	3,150	1,260
10	1,380	3,300	2,770	3,340	e3,700	2,580	5,250	3,440	3,580	1,260	3,510	1,140
11	1,400	4,560	2,550	3,220	e3,200	2,260	5,280	3,400	3,370	1,320	6,300	1,110
12	1,320	5,820	2,690	3,080	e2,900	2,160	5,650	4,540	3,310	1,420	6,170	1,040
13	1,340	6,130	2,940	3,080	e2,600	2,040	6,920	7,860	3,640	1,850	7,540	1,060
14	1,340	6,230	3,220	3,030	e2,400	2,190	7,700	10,700	4,350	1,750	5,880	1,230
15	1,410	5,980	3,920	e3,000	e2,200	1,930	8,640	13,500	5,390	1,570	4,720	1,200
16	1,470	5,280	4,430	e2,700	e2,000	1,990	10,300	13,800	5,230	1,540	3,430	1,250
17	2,350	4,610	4,560	e2,900	e2,100	2,370	11,200	12,100	4,430	1,350	2,630	2,080
18	4,970	4,870	3,970	e2,600	e1,800	3,780	12,900	10,100	3,510	1,680	2,430	2,280
19	5,550	5,300	3,310	e2,600	e2,000	5,560	12,800	8,320	3,090	1,400	2,280	1,980
20	6,190	5,230	3,690	e2,700	e2,100	6,440	11,600	6,760	2,840	1,400	2,300	1,330
21	6,630	4,710	5,880	e2,500	e2,000	8,530	10,600	5,250	2,660	1,380	1,920	1,740
22	6,840	4,940	6,610	e2,000	e2,000	12,400	10,000	4,440	2,690	1,720	1,820	2,160
23	6,410	5,720	6,980	e2,800	e2,300	17,100	9,840	4,390	2,890	1,940	1,810	2,030
24	5,230	6,870	6,860	e2,200	e2,600	20,900	9,860	4,160	2,750	2,820	1,760	3,120
25	3,980	7,300	6,390	e2,600	e2,900	20,700	9,780	5,390	2,330	3,080	1,620	3,670
26	3,390	7,090	5,580	e2,300	e3,500	19,900	9,170	8,080	2,090	3,010	1,500	3,200
27	3,980	6,310	4,870	e2,100	e3,100	19,100	8,320	10,700	1,950	2,600	1,530	2,830
28	4,440	5,310	4,390	e2,100	e2,800	18,400	7,360	11,500	1,690	2,020	1,350	2,670
29	4,460	4,360	4,060	e1,900	---	18,200	6,620	11,600	1,700	1,790	1,250	4,410
30	3,980	3,990	3,710	e2,000	---	19,200	6,090	11,600	1,600	1,620	1,290	5,840
31	3,280	---	3,610	e2,100	---	21,500	---	11,900	---	1,420	1,720	---
TOTAL	98,880	139,520	125,870	97,830	75,600	249,440	281,090	230,950	136,450	52,030	92,250	60,340
MEAN	3,190	4,651	4,060	3,156	2,700	8,046	9,370	7,450	4,548	1,678	2,976	2,011
MAX	6,840	7,300	6,980	5,360	4,660	21,500	20,500	13,800	11,700	3,080	7,540	5,840
MIN	1,320	2,520	2,550	1,900	1,800	1,930	5,250	3,400	1,600	1,170	1,250	1,040

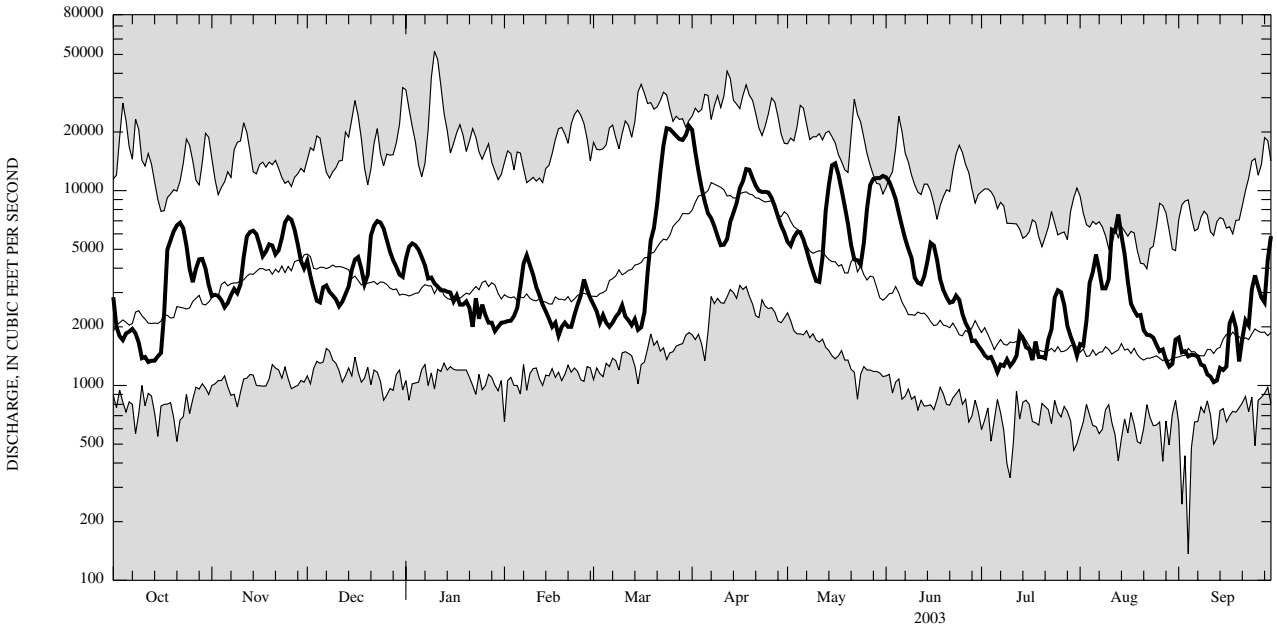
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2003, BY WATER YEAR (WY)

MEAN	3,112	4,339	4,431	4,101	3,666	6,125	10,010	5,454	2,796	2,030	1,781	2,154
MAX	9,058	8,440	9,944	12,040	9,181	13,590	19,180	12,790	8,235	5,266	4,083	5,011
(WY)	(1946)	(1989)	(1997)	(1998)	(1981)	(1921)	(1993)	(1943)	(1947)	(1972)	(1986)	(1975)
MIN	1,149	1,116	1,403	1,173	1,289	1,776	3,460	1,600	991	925	730	919
(WY)	(1964)	(1931)	(1923)	(1961)	(1931)	(1940)	(1995)	(1941)	(1941)	(1965)	(1923)	(1923)

04260500 BLACK RIVER AT WATERTOWN, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1920 - 2003	
ANNUAL TOTAL	1,759,190		1,640,250			
ANNUAL MEAN	4,820		4,494		4,165	
HIGHEST ANNUAL MEAN					6,392	1976
LOWEST ANNUAL MEAN					2,579	1931
HIGHEST DAILY MEAN	26,200	Apr 16	21,500	Mar 31	52,000	Jan 10, 1998
LOWEST DAILY MEAN	883	Sep 2	1,040	Sep 12	137	Sep 4, 1939
ANNUAL SEVEN-DAY MINIMUM	1,000	Aug 29	1,150	Sep 10	637	Aug 15, 1923
10 PERCENT EXCEEDS	9,600		9,800		8,870	
50 PERCENT EXCEEDS	3,980		3,190		2,850	
90 PERCENT EXCEEDS	1,260		1,430		1,280	

e Estimated



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.

STREAMS TRIBUTARY TO LAKE ONTARIO

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, 297.9 mil ft^3, Sept. 29, elevation, 1,786.04 ft; minimum observed, 99.3 mil ft^3, Nov. 4, elevation, 1,779.60 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, 903.7 mil ft^3, May 28, 29, elevation, 1,707.10 ft; minimum observed, 395.8 mil ft^3, Mar. 15, 16, 17, elevation, 1,703.18 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 2002 TO SEPTEMBER 2003

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	1,783.59	220.5		1,707.00	890.2	
Oct. 31	1,779.76	104.1	-43.5	1,706.25	789.2	-37.7
Nov. 30	1,780.18	116.6	+ 4.83	1,704.92	616.3	-66.7
Dec. 31	1,781.83	166.2	+18.5	1,704.75	594.2	- 8.26
CAL YR 2002	--	--	+ 1.04	--	--	+ 3.72
Jan. 31	1,780.57	128.3	-14.2	1,704.07	506.8	-32.6
Feb. 28	1,780.02	111.9	- 6.78	1,703.43	426.8	-33.1
Mar. 31	1,783.16	207.1	+35.5	1,704.73	591.6	+61.5
Apr. 30	1,783.44	215.8	+ 3.37	1,705.76	725.5	+51.7
May 31	1,785.80	290.2	+27.8	1,706.85	870.2	+54.0
June 30	1,785.85	291.8	+ 0.62	1,706.85	870.2	0.0
July 31	1,785.85	291.8	0.0	1,706.87	872.8	+ 0.97
Aug. 31	1,785.56	282.5	- 3.48	1,706.68	847.1	- 9.58
Sept. 30	1,785.59	283.5	+ 0.39	1,706.81	864.6	+ 6.77
WTR YR 2003	--	--	+ 2.00	--	--	- 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 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.

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, 2,340 ft^3/s, Mar. 29, gage height, 5.36 ft; minimum discharge, 57 ft^3/s, Oct. 4, gage height, 1.41 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

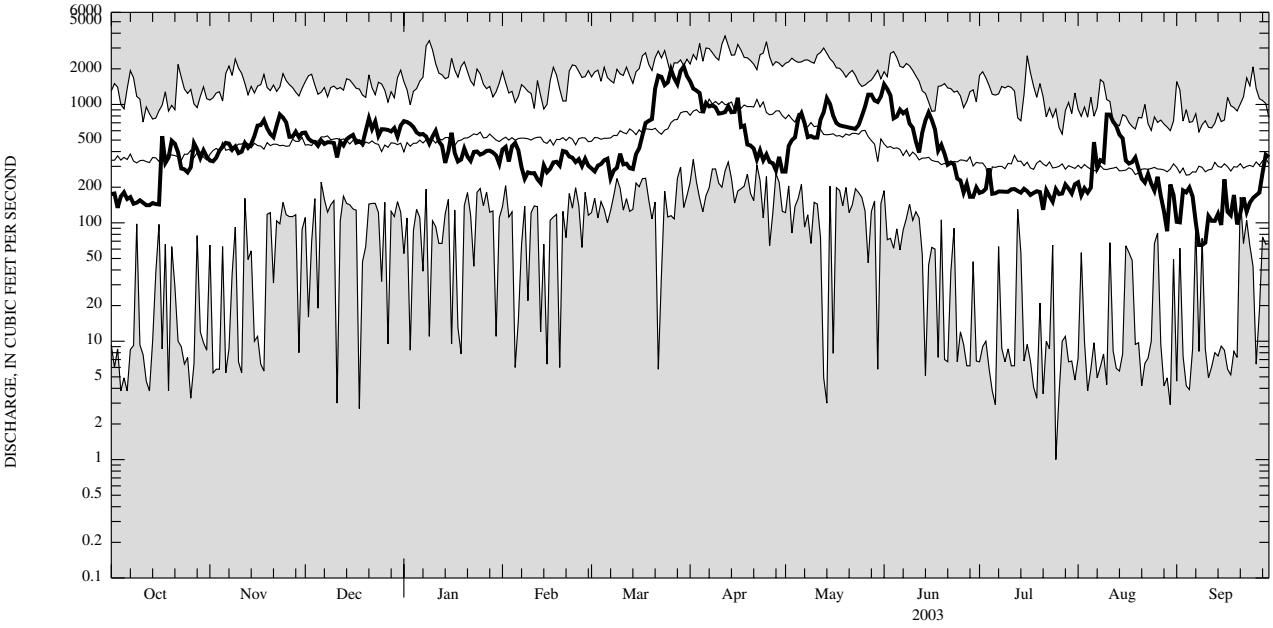
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	336	579	723	416	288	1,570	271	1,480	179	220	102
2	177	331	515	711	438	272	1,360	446	1,350	183	171	101
3	134	355	488	685	330	304	1,310	499	1,190	194	196	188
4	167	407	483	644	444	314	1,250	528	764	289	180	181
5	181	439	448	581	473	338	847	755	792	176	198	199
6	159	474	497	557	410	348	1,030	844	904	178	481	167
7	165	467	464	563	294	238	963	693	842	184	295	101
8	145	417	480	536	236	277	986	530	885	184	338	65
9	148	442	479	467	267	292	945	541	690	183	327	65
10	155	388	472	536	262	384	837	524	637	183	822	68
11	148	399	357	600	263	312	846	525	485	192	821	114
12	141	473	483	489	234	316	862	744	393	193	717	104
13	141	431	451	448	217	290	968	860	581	186	657	104
14	147	464	509	321	306	285	860	1,130	733	180	556	119
15	144	542	533	403	268	381	866	1,010	856	194	518	96
16	143	663	553	577	286	427	1,140	802	741	185	336	233
17	540	670	476	388	324	547	647	696	615	172	317	124
18	321	739	488	330	328	698	662	667	408	179	326	116
19	356	630	466	343	305	727	459	656	456	185	357	172
20	494	564	599	425	405	752	450	648	383	182	287	97
21	466	530	764	363	398	1,360	424	638	310	129	236	120
22	394	666	622	334	364	1,750	343	630	323	189	219	164
23	288	823	718	397	355	1,710	409	622	312	168	259	124
24	283	774	544	401	326	1,460	338	671	237	151	214	148
25	267	705	618	377	345	1,540	379	797	228	193	187	162
26	295	533	616	387	302	1,970	327	957	180	175	245	171
27	471	534	609	406	348	1,670	319	1,210	214	177	169	180
28	418	589	592	407	304	1,490	277	1,210	166	211	125	265
29	353	530	632	393	---	1,920	361	1,080	166	195	85	376
30	410	574	535	371	---	2,090	271	1,050	199	177	211	359
31	363	---	664	315	---	1,740	---	1,170	---	212	172	---
TOTAL	8,189	15,889	16,734	14,478	9,248	26,490	22,306	23,404	17,520	5,758	10,242	4,585
MEAN	264	530	540	467	330	855	744	755	584	186	330	153
MAX	540	823	764	723	473	2,090	1,570	1,210	1,480	289	822	376
MIN	134	331	357	315	217	238	271	271	166	129	85	65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2003, BY WATER YEAR (WY)

MEAN	395	510	523	564	532	700	1,024	698	422	331	304	324
MAX	685	1,048	1,097	1,306	970	1,161	1,787	1,659	1,218	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1925 - 2003	
ANNUAL TOTAL	206,212		174,843			
ANNUAL MEAN	565		479		527	
HIGHEST ANNUAL MEAN					884	1947
LOWEST ANNUAL MEAN					311	1931
HIGHEST DAILY MEAN	2,610	Apr 14	2,090	Mar 30	3,790	Apr 12, 1947
LOWEST DAILY MEAN	53	Sep 8	65	Sep 8	1.0	Jul 25, 1926
ANNUAL SEVEN-DAY MINIMUM	85	Aug 7	89	Sep 7	71	Jul 24, 1991
10 PERCENT EXCEEDS	1,170		861		978	
50 PERCENT EXCEEDS	520		394		428	
90 PERCENT EXCEEDS	136		166		199	

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. 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)
Mar 23	0230	ice jam	*7.22	Mar 27	0230	3,650	6.63
Mar 23	1730	3,770	6.74	Mar 30	2345	*3,920	6.89

Minimum discharge, 61 ft^3/s, Sept. 13, 15, gage height, 1.26 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	294	479	569	179	295	2,620	655	1,470	148	135	115
2	285	278	431	706	186	278	1,800	717	1,450	138	139	103
3	240	264	e380	765	e180	266	1,360	947	1,300	127	155	96
4	243	250	e360	667	e210	250	1,090	976	1,030	113	269	105
5	217	242	343	562	e280	236	923	774	816	111	365	96
6	197	250	331	488	e400	233	847	659	753	107	422	85
7	178	268	315	423	e460	229	766	591	699	102	506	79
8	163	266	301	380	e430	220	729	536	604	101	419	75
9	146	259	276	365	e410	230	643	476	518	100	312	77
10	131	271	265	348	388	242	603	428	436	96	336	71
11	120	335	262	328	350	233	663	394	387	111	686	66
12	112	413	269	314	320	225	758	557	363	134	759	64
13	109	440	291	302	290	220	929	1,010	384	149	698	62
14	107	436	320	279	269	211	1,090	1,700	556	142	564	62
15	106	423	422	263	243	202	1,120	1,930	738	128	430	62
16	115	420	492	261	221	212	1,260	1,610	682	119	310	81
17	379	435	442	257	205	283	1,620	1,240	542	115	241	101
18	817	591	421	246	e190	497	1,540	911	432	110	196	102
19	878	641	391	241	e190	768	1,280	676	349	103	164	90
20	990	608	457	237	e180	1,010	1,080	526	300	96	143	77
21	1,170	636	842	227	e190	1,470	1,010	441	268	95	122	73
22	1,050	700	1,060	217	199	e2,500	1,020	417	244	116	116	71
23	810	845	1,070	209	227	e3,400	1,040	374	227	181	106	88
24	601	1,020	889	203	291	3,310	1,060	385	215	182	96	135
25	450	999	728	199	339	2,850	1,020	661	193	270	91	157
26	383	842	651	197	342	3,230	951	1,020	172	288	93	141
27	427	679	562	196	336	3,500	932	1,630	157	211	89	124
28	467	512	494	193	316	2,880	913	2,170	147	190	97	187
29	432	457	438	190	---	2,530	826	1,990	137	184	90	407
30	376	452	389	185	---	3,420	715	1,740	140	164	99	422
31	329	---	387	182	---	3,580	---	1,610	---	139	117	---
TOTAL	12,387	14,526	14,758	10,199	7,821	39,010	32,208	29,751	15,709	4,370	8,365	3,474
MEAN	400	484	476	329	279	1,258	1,074	960	524	141	270	116
MAX	1,170	1,020	1,070	765	460	3,580	2,620	2,170	1,470	288	759	422
MIN	106	242	262	182	179	202	603	374	137	95	89	62
CFSM	1.55	1.88	1.85	1.28	1.08	4.88	4.16	3.72	2.03	0.55	1.05	0.45
IN.	1.79	2.09	2.13	1.47	1.13	5.62	4.64	4.29	2.27	0.63	1.21	0.50

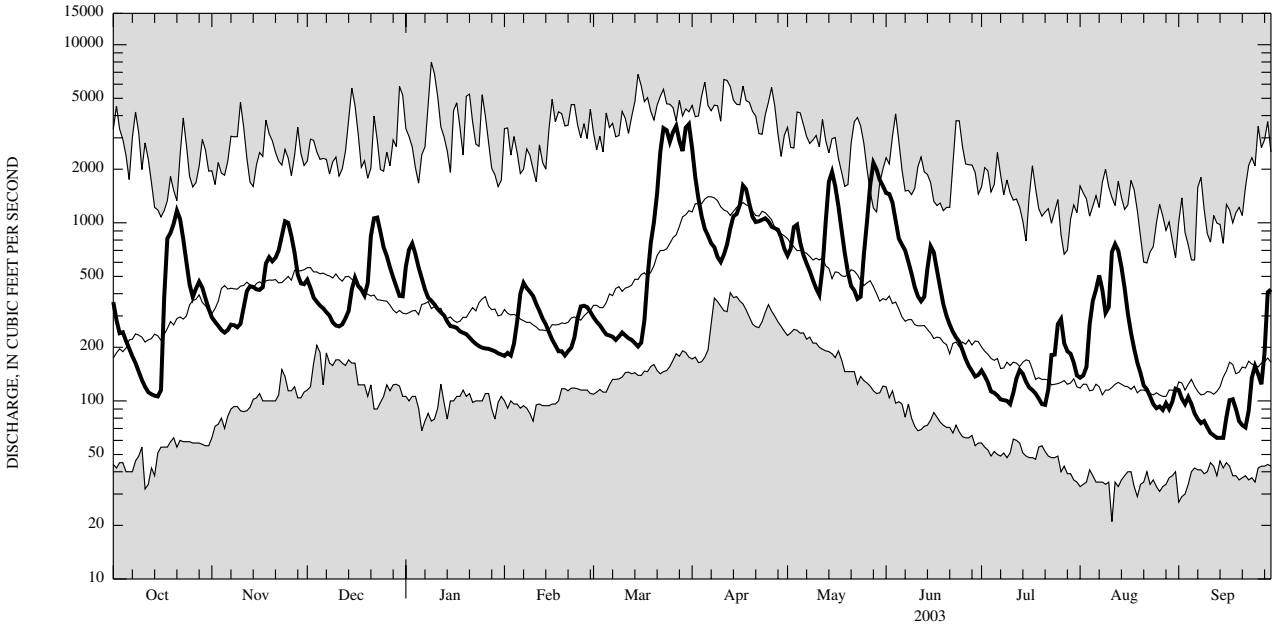
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2003, BY WATER YEAR (WY)

MEAN	385	573	575	504	436	847	1,355	689	353	221	177	217
MAX	1,047	1,324	1,474	1,530	1,488	1,949	2,676	1,772	1,135	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)

04262500 WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1916 - 2003	
ANNUAL TOTAL	208,554		192,578			
ANNUAL MEAN	571		528		528	
HIGHEST ANNUAL MEAN					833	1947
LOWEST ANNUAL MEAN					333	1941
HIGHEST DAILY MEAN	4,450	Apr 15	3,580	Mar 31	7,970	Jan 9, 1998
LOWEST DAILY MEAN	39	Sep 9	62	Sep 13	21	Aug 11, 1985
ANNUAL SEVEN-DAY MINIMUM	41	Sep 4	66	Sep 9	34	Aug 28, 1934
ANNUAL RUNOFF (CFSM)	2.21		2.05		2.04	
ANNUAL RUNOFF (INCHES)	30.07		27.77		27.78	
10 PERCENT EXCEEDS	1,210		1,060		1,180	
50 PERCENT EXCEEDS	420		331		328	
90 PERCENT EXCEEDS	69		106		100	

e Estimated



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, 14,000 ft^3/s, Mar. 26, result of release from ice jam, gage height, 8.50 ft; minimum discharge, 176 ft^3/s, Sept. 14, gage height, 0.60 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,150	941	e1,700	1,680	e700	1,070	7,740	1,630	4,450	536	520	391
2	803	865	e1,600	2,230	e720	1,000	7,210	1,560	4,390	602	447	383
3	690	839	e1,600	2,180	e780	991	6,070	1,810	4,240	572	449	395
4	575	800	e1,500	2,150	e860	e960	4,960	2,190	3,840	481	499	321
5	484	796	1,490	2,030	e1,000	e920	4,240	2,220	3,100	448	720	267
6	468	809	1,450	1,840	e1,400	e880	3,540	2,090	2,720	504	850	362
7	513	903	1,330	1,580	e1,600	e840	3,230	2,130	2,600	452	1,040	387
8	418	920	e1,300	1,530	e1,700	e800	3,110	2,050	2,470	419	1,270	309
9	366	936	e1,200	1,410	1,560	e780	2,850	1,770	2,210	380	1,080	287
10	334	951	e1,100	1,340	1,390	e820	2,740	1,580	1,980	366	1,060	235
11	338	838	e1,100	1,250	1,290	e840	2,820	1,490	1,670	420	1,210	206
12	363	884	1,120	e1,200	1,220	e860	2,760	1,600	1,490	406	2,070	195
13	272	988	1,120	e1,100	1,100	e840	2,750	1,970	1,460	448	1,990	180
14	260	1,140	1,170	e1,000	995	e780	2,800	2,770	2,850	475	1,840	180
15	281	1,150	1,280	e960	903	e760	2,860	3,530	3,490	416	1,590	187
16	299	1,270	1,500	e900	e840	e800	2,720	3,930	3,180	446	1,300	205
17	343	1,400	1,600	e910	e760	e960	2,900	3,540	2,760	463	1,100	248
18	505	1,530	1,510	e920	e700	e1,400	3,030	2,910	2,120	419	877	335
19	1,240	1,620	1,360	e880	e700	e2,300	2,860	2,420	1,750	391	743	338
20	1,490	1,810	1,490	e840	e720	e3,600	2,550	2,010	1,480	378	685	258
21	1,690	1,850	2,260	e800	e740	e4,500	2,150	1,780	1,340	382	601	271
22	1,910	1,870	2,890	e760	e720	e5,200	2,000	1,610	1,150	368	514	260
23	1,790	2,050	2,940	e740	e760	e6,400	1,930	1,530	1,040	363	524	241
24	1,500	2,420	2,780	e700	e840	e7,400	1,980	1,510	965	423	435	254
25	1,230	2,600	2,480	e720	e960	e9,000	2,130	2,070	852	548	409	312
26	1,040	2,610	2,070	e720	1,040	e12,500	2,030	2,970	716	474	377	327
27	944	2,360	1,970	e700	1,080	11,700	1,990	4,150	667	560	419	434
28	905	1,970	1,820	e700	1,060	10,900	2,060	4,760	565	599	353	420
29	1,170	1,700	1,660	e680	---	9,760	1,950	5,060	571	559	339	450
30	1,090	1,680	1,570	e660	---	8,430	1,800	5,160	491	520	377	692
31	939	---	1,510	e680	---	7,860	---	4,810	---	566	315	---
TOTAL	25,400	42,500	51,470	35,790	28,138	115,851	93,760	80,610	62,607	14,384	26,003	9,330
MEAN	819	1,417	1,660	1,155	1,005	3,737	3,125	2,600	2,087	464	839	311
MAX	1,910	2,610	2,940	2,230	1,700	12,500	7,740	5,160	4,450	602	2,070	692
MIN	260	796	1,100	660	700	760	1,800	1,490	491	363	315	180

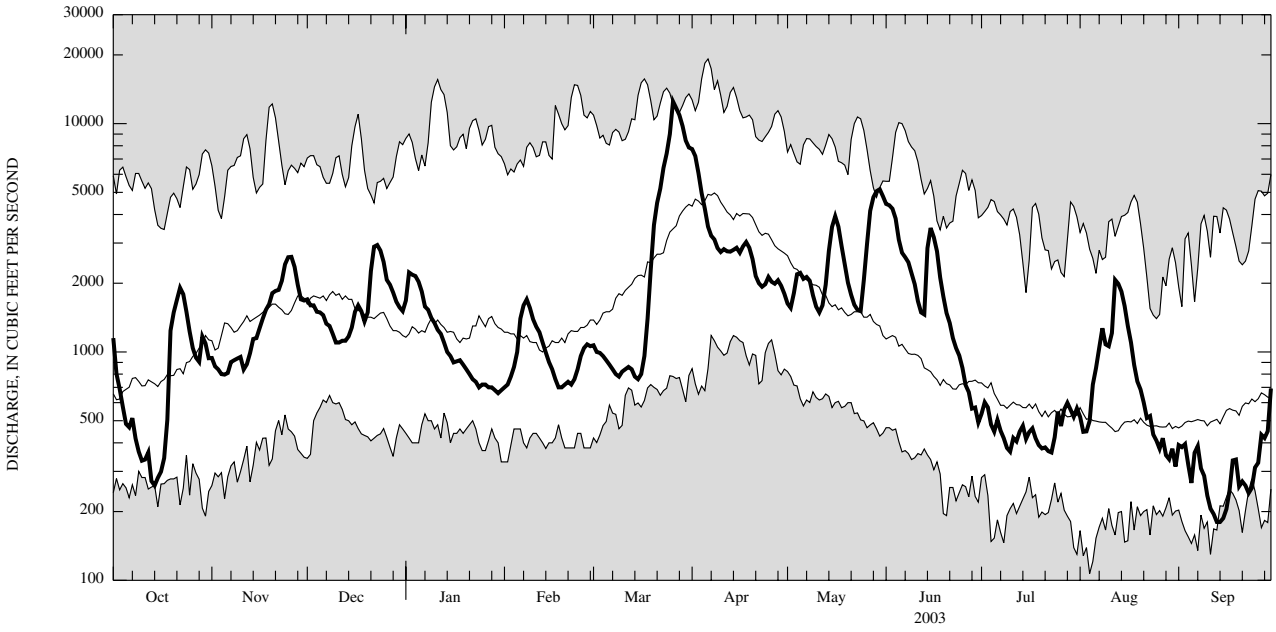
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2003, BY WATER YEAR (WY)

MEAN	1,129	1,771	1,910	1,827	1,650	3,113	4,245	2,157	1,137	734	617	700
MAX	3,563	4,284	4,522	5,369	4,800	6,327	8,867	5,243	4,481	2,096	2,196	2,420
(WY)	(1978)	(1928)	(1928)	(1930)	(1954)	(1977)	(1993)	(1976)	(1947)	(1947)	(1981)	(1981)
MIN	327	552	582	507	538	972	1,167	620	391	319	222	278
(WY)	(1964)	(1957)	(1923)	(1961)	(1934)	(1940)	(1995)	(1941)	(1941)	(1965)	(2002)	(1990)

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1916 - 2003	
ANNUAL TOTAL	657,738		585,843			
ANNUAL MEAN	1,802		1,605		1,748	
HIGHEST ANNUAL MEAN					2,952	1947
LOWEST ANNUAL MEAN					1,029	1931
HIGHEST DAILY MEAN	7,510	Apr 17	12,500	Mar 26	19,200	Apr 6, 1960
LOWEST DAILY MEAN	130	Sep 11	180	Sep 13	107	Aug 4, 1991
ANNUAL SEVEN-DAY MINIMUM	174	Sep 7	198	Sep 10	133	Jul 30, 1991
10 PERCENT EXCEEDS	3,760		2,990		3,990	
50 PERCENT EXCEEDS	1,560		1,100		1,120	
90 PERCENT EXCEEDS	230		367		433	

e Estimated



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, not reviewed by the USGS.

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.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 313,000 ft^3/s, Aug. 15; minimum daily, 169,000 ft^3/s, Mar. 28, Apr. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

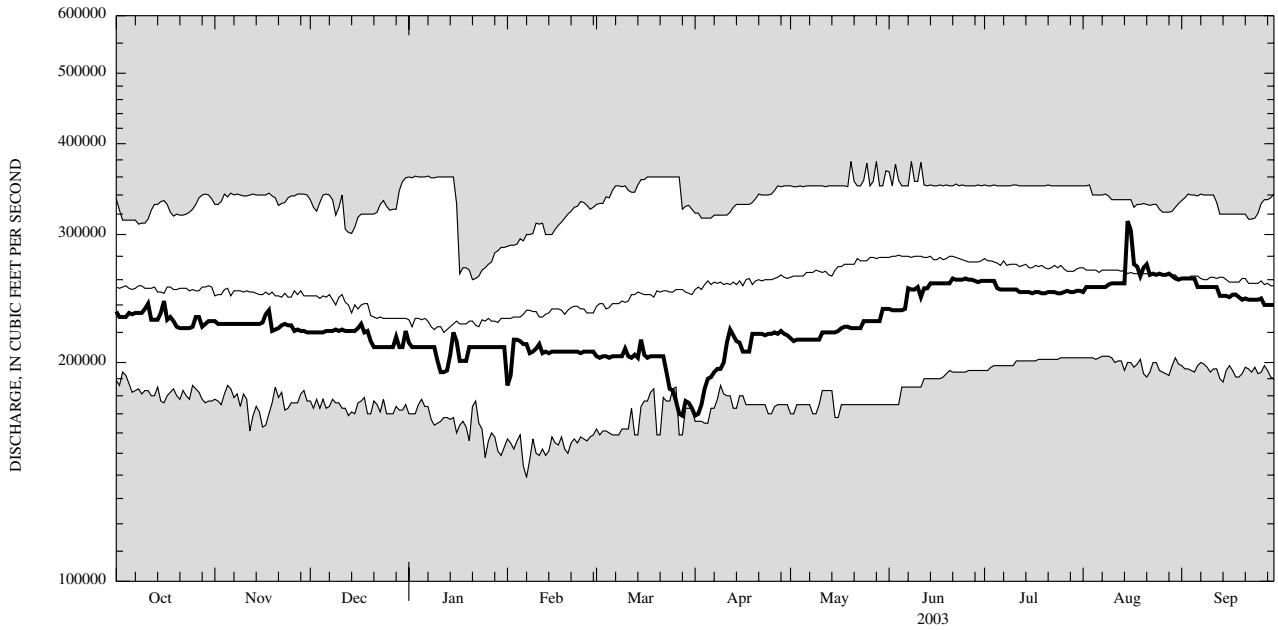
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	235,000	228,000	220,000	213,000	186,000	204,000	169,000	216,000	237,000	259,000	250,000	261,000
2	231,000	226,000	220,000	210,000	192,000	203,000	170,000	214,000	236,000	259,000	254,000	261,000
3	231,000	226,000	220,000	210,000	215,000	204,000	175,000	215,000	236,000	259,000	254,000	261,000
4	231,000	226,000	220,000	210,000	215,000	204,000	184,000	215,000	236,000	259,000	254,000	261,000
5	234,000	226,000	220,000	210,000	214,000	203,000	190,000	215,000	236,000	253,000	254,000	261,000
6	233,000	226,000	221,000	210,000	212,000	204,000	191,000	215,000	237,000	252,000	254,000	254,000
7	234,000	226,000	221,000	210,000	212,000	204,000	194,000	215,000	253,000	252,000	254,000	254,000
8	234,000	226,000	221,000	210,000	206,000	204,000	196,000	215,000	252,000	252,000	254,000	254,000
9	234,000	226,000	222,000	210,000	207,000	204,000	196,000	215,000	252,000	252,000	256,000	254,000
10	237,000	226,000	221,000	201,000	209,000	209,000	200,000	215,000	254,000	252,000	257,000	254,000
11	241,000	226,000	222,000	194,000	212,000	204,000	213,000	220,000	246,000	252,000	257,000	254,000
12	229,000	226,000	221,000	194,000	206,000	203,000	222,000	220,000	253,000	250,000	257,000	254,000
13	229,000	226,000	221,000	195,000	207,000	205,000	218,000	220,000	253,000	250,000	257,000	247,000
14	229,000	226,000	221,000	205,000	206,000	203,000	214,000	220,000	257,000	250,000	257,000	247,000
15	234,000	226,000	221,000	220,000	207,000	215,000	213,000	220,000	257,000	250,000	313,000	247,000
16	243,000	227,000	223,000	214,000	207,000	205,000	207,000	221,000	257,000	249,000	304,000	246,000
17	229,000	233,000	226,000	201,000	207,000	203,000	207,000	223,000	257,000	250,000	273,000	248,000
18	231,000	236,000	220,000	201,000	207,000	204,000	207,000	224,000	257,000	250,000	271,000	248,000
19	228,000	221,000	221,000	201,000	207,000	204,000	219,000	224,000	257,000	249,000	263,000	246,000
20	224,000	222,000	214,000	210,000	207,000	204,000	219,000	223,000	257,000	249,000	270,000	244,000
21	223,000	223,000	210,000	210,000	207,000	204,000	219,000	223,000	261,000	250,000	273,000	245,000
22	223,000	225,000	210,000	210,000	207,000	204,000	219,000	223,000	260,000	250,000	264,000	244,000
23	223,000	226,000	210,000	210,000	207,000	194,000	218,000	223,000	260,000	250,000	265,000	244,000
24	223,000	225,000	210,000	210,000	206,000	184,000	219,000	228,000	260,000	249,000	264,000	244,000
25	224,000	225,000	210,000	210,000	207,000	183,000	219,000	228,000	261,000	249,000	265,000	244,000
26	231,000	221,000	210,000	210,000	207,000	177,000	220,000	228,000	260,000	250,000	264,000	245,000
27	231,000	222,000	210,000	210,000	207,000	170,000	219,000	228,000	260,000	251,000	264,000	240,000
28	224,000	221,000	217,000	210,000	207,000	169,000	221,000	228,000	259,000	250,000	265,000	240,000
29	226,000	221,000	210,000	210,000	---	177,000	219,000	228,000	258,000	250,000	263,000	240,000
30	228,000	220,000	210,000	210,000	---	176,000	218,000	237,000	259,000	251,000	261,000	240,000
31	228,000	---	221,000	210,000	---	173,000	---	237,000	---	251,000	260,000	---
TOTAL	7,135,000	6,760,000	6,744,000	6,439,000	5,796,000	6,104,000	6,195,000	6,876,000	7,578,000	7,799,000	8,171,000	7,482,000
MEAN	230,200	225,300	217,500	207,700	207,000	196,900	206,500	221,800	252,600	251,600	263,600	249,400
MAX	243,000	236,000	226,000	220,000	215,000	215,000	222,000	237,000	261,000	259,000	313,000	261,000
MIN	223,000	220,000	210,000	194,000	186,000	169,000	169,000	214,000	236,000	249,000	250,000	240,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2003, BY WATER YEAR (WY)

MEAN	249,800	245,600	240,600	226,500	233,900	246,100	256,200	266,400	271,300	268,400	263,200	257,000
MAX	323,800	338,100	327,000	298,700	293,300	335,100	325,100	353,500	353,500	350,000	330,300	326,400
(WY)	(1987)	(1987)	(1987)	(1987)	(1997)	(1998)	(1973)	(1993)	(1993)	(1973)	(1974)	(1986)
MIN	182,600	176,100	174,700	168,700	153,800	179,800	179,200	176,500	188,600	200,600	200,000	194,900
(WY)	(1936)	(1936)	(1936)	(1936)	(1936)	(1965)	(1964)	(1965)	(1965)	(1964)	(1936)	(1936)

04264331 ST. LAWRENCE RIVER AT CORNWALL, ONTARIO--NEAR MASSENA, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1936 - 2003	
ANNUAL TOTAL	89,877,000		83,079,000			
ANNUAL MEAN	246,200		227,600		252,200	
HIGHEST ANNUAL MEAN					309,300	1987
LOWEST ANNUAL MEAN					191,800	1936
HIGHEST DAILY MEAN	297,000	Jul 15	313,000	Aug 15	378,000	May 20, 1993
LOWEST DAILY MEAN	190,000	Jan 12	169,000	Mar 28	139,000	Feb 7, 1936
ANNUAL SEVEN-DAY MINIMUM	196,000	Feb 3	172,000	Mar 27	148,000	Feb 6, 1936
10 PERCENT EXCEEDS	288,000		257,000		300,000	
50 PERCENT EXCEEDS	242,000		223,000		251,000	
90 PERCENT EXCEEDS	218,000		204,000		208,000	



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, 4,510 ft^3/s, Apr. 2, gage height, 9.38 ft; minimum discharge, 71 ft^3/s, Sept. 19, gage height, 1.99 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

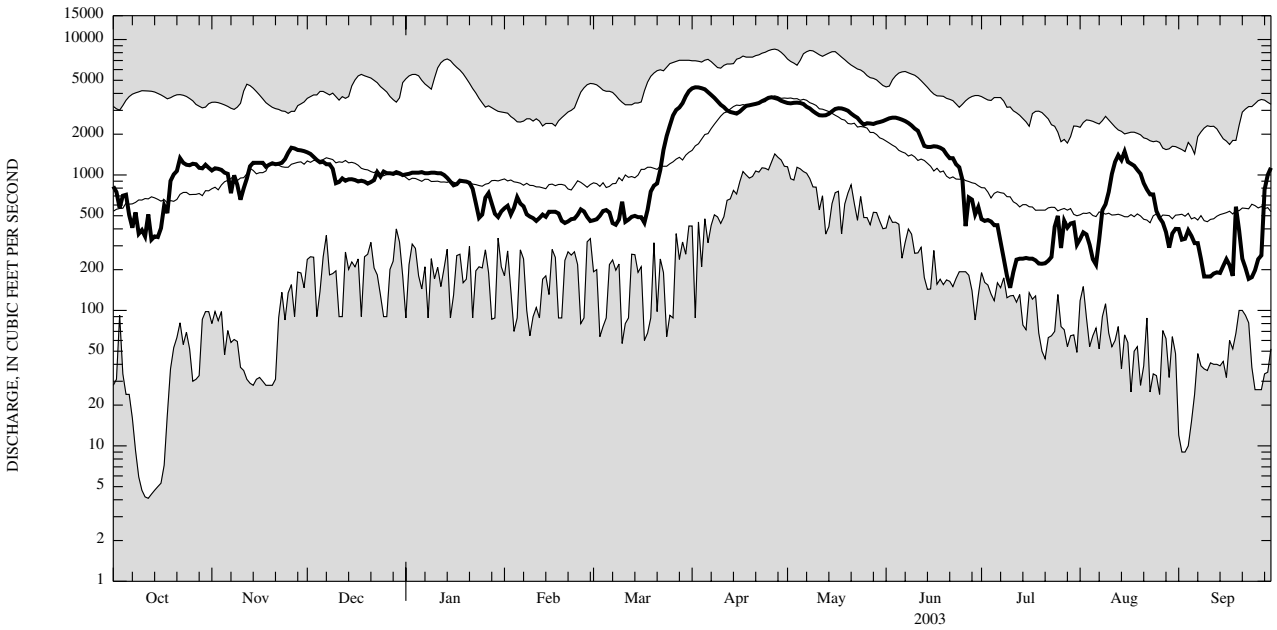
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	823	1,080	1,470	1,010	568	463	4,360	3,400	2,560	472	337	399
2	748	1,120	1,430	1,020	592	471	4,440	3,380	2,620	458	377	333
3	572	1,110	1,360	1,040	511	500	4,430	3,410	2,650	465	364	338
4	703	1,090	1,290	1,040	573	542	4,370	3,420	2,650	453	305	390
5	714	1,040	1,240	1,040	686	551	4,290	3,400	2,610	426	239	355
6	506	1,020	1,250	1,050	615	529	4,090	3,340	2,560	426	218	314
7	408	734	1,200	1,030	587	441	3,900	3,190	2,500	320	334	314
8	530	994	1,200	1,030	512	429	3,710	3,100	2,420	241	550	240
9	368	845	1,110	1,040	493	469	3,500	2,960	2,320	180	608	178
10	392	657	870	1,040	480	635	3,300	2,850	2,200	147	750	178
11	352	797	888	1,030	458	451	3,170	2,760	2,120	192	1,020	178
12	511	942	944	1,030	481	468	3,000	2,750	1,870	237	1,250	187
13	333	1,160	907	1,000	510	491	2,920	2,760	1,640	241	1,400	191
14	352	1,230	929	952	491	499	2,880	2,830	1,610	241	1,290	189
15	348	1,230	930	893	535	488	2,840	2,950	1,610	244	1,490	213
16	405	1,230	918	839	535	488	2,940	3,070	1,630	241	1,250	239
17	596	1,230	896	855	535	444	3,090	3,110	1,620	241	1,210	216
18	523	1,150	907	908	520	553	3,240	3,100	1,590	234	1,170	180
19	904	1,190	894	900	459	755	3,270	3,050	1,540	222	1,090	583
20	1,010	1,220	864	894	442	834	3,310	2,980	1,420	221	1,020	389
21	1,070	1,200	887	875	454	866	3,350	2,840	1,330	223	870	241
22	1,330	1,210	916	790	472	1,090	3,400	2,730	1,330	233	782	206
23	1,230	1,230	1,050	619	476	1,530	3,510	2,640	1,200	248	719	171
24	1,190	1,310	973	482	508	1,940	3,600	2,470	1,140	415	718	176
25	1,180	1,460	1,060	510	557	2,320	3,710	2,350	921	499	542	198
26	1,210	1,590	1,030	680	538	2,750	3,750	2,410	419	289	482	239
27	1,200	1,570	1,030	735	490	3,020	3,700	2,400	682	459	445	255
28	1,130	1,530	1,020	616	457	3,150	3,640	2,380	658	409	379	779
29	1,120	1,520	1,050	517	---	3,390	3,530	2,430	511	438	291	1,000
30	1,190	1,500	1,030	489	---	3,810	3,460	2,460	580	445	370	1,130
31	1,130	---	998	538	---	4,160	---	2,500	---	306	400	---
TOTAL	24,078	35,189	32,541	26,492	14,535	38,527	106,700	89,420	50,511	9,866	22,270	9,999
MEAN	777	1,173	1,050	855	519	1,243	3,557	2,885	1,684	318	718	333
MAX	1,330	1,590	1,470	1,050	686	4,160	4,440	3,420	2,650	499	1,490	1,130
MIN	333	657	864	482	442	429	2,840	2,350	419	147	218	171

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2003, BY WATER YEAR (WY)

MEAN	867	1,170	1,256	1,106	941	1,310	3,164	2,919	1,310	746	589	602
MAX	3,292	2,676	3,439	3,828	2,148	3,577	5,405	6,094	3,982	2,461	1,867	1,614
(WY)	(1946)	(1989)	(1984)	(1998)	(1916)	(1921)	(1993)	(1943)	(1947)	(1972)	(1986)	(1938)
MIN	54.7	133	348	343	319	325	1,230	878	396	318	145	112
(WY)	(1948)	(1909)	(1931)	(1918)	(1961)	(1940)	(1995)	(1987)	(1941)	(2003)	(1999)	(1913)

04266500 RAQUETTE RIVER AT PIERCEFIELD, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1908 - 2003	
ANNUAL TOTAL	499,709		460,128			
ANNUAL MEAN	1,369		1,261		1,332	
HIGHEST ANNUAL MEAN					2,030	1976
LOWEST ANNUAL MEAN					734	1965
HIGHEST DAILY MEAN	6,250	Apr 20	4,440	Apr 2	8,500	Apr 27, 1993
LOWEST DAILY MEAN	39	Sep 10	147	Jul 10	4.1	Oct 12, 1947
ANNUAL SEVEN-DAY MINIMUM	41	Sep 9	188	Sep 9	4.6	Oct 10, 1947
10 PERCENT EXCEEDS	3,010		3,100		2,910	
50 PERCENT EXCEEDS	1,120		916		950	
90 PERCENT EXCEEDS	141		275		358	



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 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 powerplant, 0.4 mi upstream; considerable natural storage in large lakes upstream from Piercefield.

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, 8,650 ft^3/s, Mar. 26, gage height, 6.20 ft; minimum discharge, 62 ft^3/s, Sept. 21, 27, gage height, 0.85 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,250	2,940	1,190	1,220	e1,900	e700	5,170	3,310	4,130	524	456	1,600
2	439	2,940	1,230	1,250	e1,900	e560	4,920	4,060	4,070	397	463	1,440
3	599	2,990	1,180	1,290	e1,500	e540	4,420	4,400	3,870	492	505	1,070
4	521	2,970	1,310	1,220	e1,200	e540	4,650	4,820	3,860	496	634	1,070
5	555	2,990	1,010	1,190	e1,100	e560	4,530	4,700	3,830	480	1,160	1,050
6	453	3,120	1,140	1,070	e1,300	e560	4,560	4,470	3,710	481	1,170	1,040
7	405	3,050	1,580	1,220	e1,400	e540	4,530	4,660	3,680	467	1,140	1,060
8	543	2,240	1,820	1,160	e1,400	e900	4,280	4,540	3,660	458	1,040	973
9	463	2,350	e1,900	1,150	e1,400	e1,200	4,420	4,080	3,610	435	1,230	1,060
10	448	2,290	e1,800	1,080	e1,400	e1,300	4,510	3,900	3,260	468	1,560	1,020
11	481	2,370	1,760	1,120	e1,600	e1,300	4,320	3,900	2,840	548	1,610	1,020
12	531	2,200	1,710	1,260	e1,900	e1,300	4,480	4,230	2,570	520	1,750	983
13	475	1,540	1,660	1,140	e1,800	e1,300	4,480	4,290	2,640	486	1,820	1,020
14	499	1,410	1,770	e1,200	e1,800	e1,500	4,450	4,870	3,770	493	1,400	1,040
15	477	1,450	1,800	e1,200	e1,700	e1,800	4,390	4,480	3,160	503	3,110	790
16	506	1,330	e1,600	e1,100	e1,700	e1,900	4,380	4,380	2,900	522	3,750	498
17	970	1,280	e1,300	e1,000	e1,800	e2,000	4,350	4,940	2,750	816	3,680	490
18	1,090	1,260	1,010	e1,600	e1,700	e2,100	3,280	4,720	2,690	1,120	3,140	487
19	1,550	1,210	1,190	e1,800	e1,600	e2,300	3,140	3,940	2,450	1,700	1,670	997
20	1,590	1,300	1,160	e1,800	e1,400	2,830	3,280	3,200	2,120	1,730	1,690	1,130
21	1,500	1,250	1,290	e1,800	e1,200	3,600	3,180	3,320	1,900	1,490	1,670	804
22	1,370	1,270	1,270	e1,800	e1,100	5,410	3,190	3,340	1,730	493	1,620	470
23	1,630	1,440	1,210	e1,800	e1,100	5,530	3,230	3,240	1,790	600	1,630	491
24	1,770	1,440	1,170	e1,800	e1,200	5,120	3,250	3,740	1,780	473	1,630	515
25	1,680	1,300	1,050	e1,800	e1,300	6,030	4,040	4,310	1,690	586	1,590	526
26	1,770	1,280	1,250	e1,800	e1,800	7,230	4,300	4,750	1,620	1,050	1,620	527
27	1,800	1,280	1,280	e1,800	e1,400	5,700	4,260	4,710	1,050	524	1,640	751
28	1,800	1,230	1,120	e1,900	e1,000	5,130	4,180	4,390	981	553	1,650	573
29	1,800	1,170	1,120	e1,900	---	5,300	3,860	4,300	1,090	458	1,720	590
30	1,830	1,200	1,100	e1,800	---	6,250	3,640	4,230	1,040	541	1,710	561
31	2,910	---	1,170	e1,900	---	6,070	---	4,140	---	464	1,660	---
TOTAL	33,705	56,090	42,150	45,170	41,600	87,100	123,670	130,360	80,241	20,368	51,118	25,646
MEAN	1,087	1,870	1,360	1,457	1,486	2,810	4,122	4,205	2,675	657	1,649	855
MAX	2,910	3,120	1,900	1,900	1,900	7,230	5,170	4,940	4,130	1,730	3,750	1,600
MIN	405	1,170	1,010	1,000	1,000	540	3,140	3,200	981	397	456	470

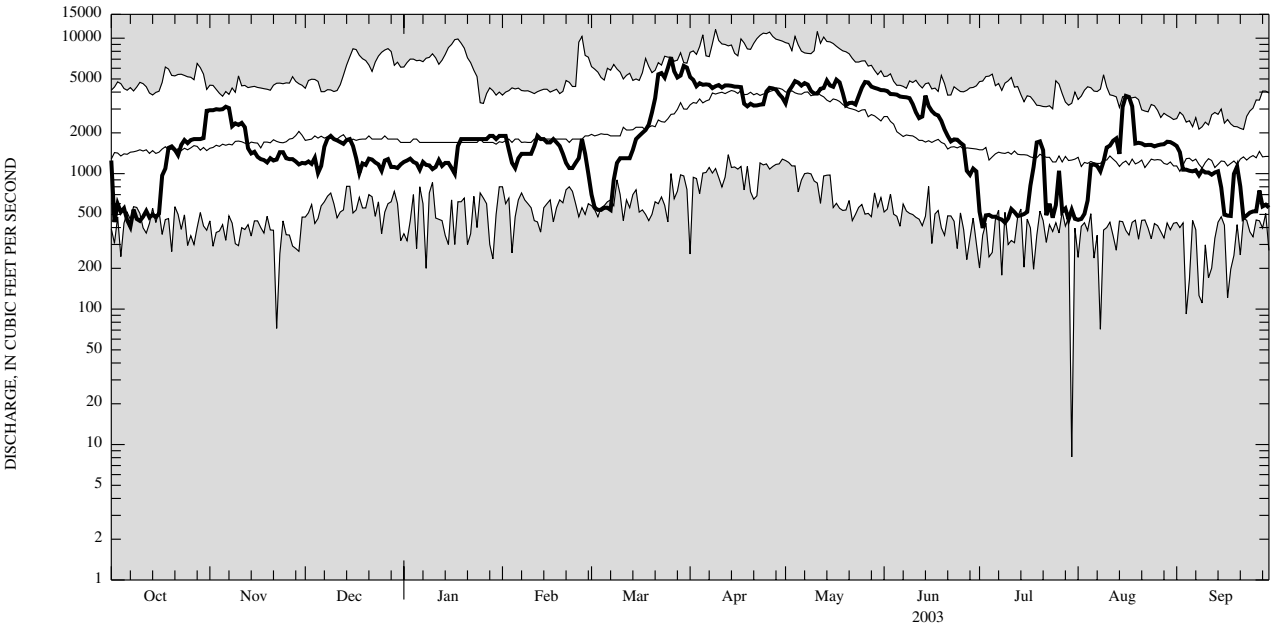
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

MEAN	1,581	1,941	2,065	1,985	2,001	2,638	3,988	3,594	2,025	1,424	1,264	1,264
MAX	4,545	3,776	5,228	5,021	3,979	4,723	7,132	6,768	3,602	3,623	3,454	2,244
(WY)	(1978)	(1986)	(1984)	(1985)	(1996)	(1990)	(2000)	(1971)	(1972)	(1972)	(1986)	(1981)
MIN	591	500	684	699	672	866	1,140	1,209	807	518	518	573
(WY)	(1997)	(1965)	(1965)	(1956)	(1956)	(1956)	(1995)	(1987)	(1962)	(1988)	(2002)	(1995)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1954 - 2003	
ANNUAL TOTAL	798,779		737,218			
ANNUAL MEAN	2,188		2,020		2,147	
HIGHEST ANNUAL MEAN					3,022	1976
LOWEST ANNUAL MEAN					1,148	1965
HIGHEST DAILY MEAN	6,930	May 18	7,230	Mar 26	11,600	Apr 9, 2000
LOWEST DAILY MEAN	348	Jul 19	397	Jul 2	8.1	Jul 30, 1962
ANNUAL SEVEN-DAY MINIMUM	475	Oct 6	467	Jul 2	345	Nov 22, 1953
10 PERCENT EXCEEDS	4,480		4,380		4,040	
50 PERCENT EXCEEDS	1,680		1,590		1,700	
90 PERCENT EXCEEDS	506		521		823	

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 dam.

DRAINAGE AREA.--171 mi^2.

PERIOD OF RECORD.--October 1958 to September 1968, water years 1969-91 (annual maximum only), June 1991 to current year.

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. 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)
Mar 22	--	a2,000	ice jam	Mar 30	0215	*3,070	*5.08

Minimum discharge, 55 ft^3/s, Sept. 14, gage height, 0.95 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	237	e220	413	e90	e140	1,400	461	852	175	140	106
2	256	219	e210	454	e95	e130	1,090	583	789	146	127	91
3	251	198	e200	389	e100	e120	821	750	654	121	123	83
4	218	188	e190	e300	e120	e120	624	693	522	108	182	77
5	191	182	e170	e260	e160	e110	509	606	436	99	409	76
6	168	194	e160	e230	e210	e110	463	507	409	94	515	73
7	146	198	e150	e210	e210	e110	417	459	370	94	408	71
8	127	190	e150	e190	e190	e110	397	433	328	90	303	68
9	114	200	e130	e180	e170	e120	363	401	288	86	253	65
10	106	218	e140	e170	e160	e130	358	359	266	81	324	66
11	102	238	e140	e160	e150	e120	421	331	251	139	438	62
12	100	249	e150	e150	e140	e110	485	414	250	239	392	60
13	98	241	e170	e140	e130	e110	611	503	322	213	345	58
14	103	238	e190	e130	e120	e120	638	717	787	165	286	57
15	106	264	e210	e130	e110	e130	787	741	788	128	231	63
16	117	310	e210	e130	e100	e150	1,320	631	601	164	190	70
17	481	293	e200	e120	e100	e180	1,310	519	423	206	176	68
18	591	287	e190	e120	e96	e230	1,090	424	311	163	144	64
19	609	262	e200	e120	e94	e330	899	354	264	119	122	59
20	924	275	e280	e110	e94	e700	828	304	249	99	106	60
21	738	318	422	e110	e98	e1,100	831	287	219	94	96	61
22	526	396	456	e110	e110	e1,500	859	275	194	190	88	61
23	401	570	398	e100	e120	e1,300	865	254	177	233	82	74
24	315	538	343	e100	e140	e1,100	843	267	159	300	76	100
25	262	462	297	e98	e150	e1,200	767	425	141	379	74	99
26	279	403	286	e97	e160	e1,600	753	536	128	302	74	91
27	376	e310	272	e96	e160	1,760	741	674	123	217	74	87
28	392	e250	257	e94	e150	e1,600	636	577	121	301	71	391
29	354	e240	241	e92	---	e2,300	555	618	113	287	82	638
30	302	e230	236	e89	---	2,760	497	846	152	210	155	524
31	261	---	241	e89	---	1,930	---	866	---	156	133	---
TOTAL	9,373	8,398	7,109	5,181	3,727	21,530	22,178	15,815	10,687	5,398	6,219	3,523
MEAN	302	280	229	167	133	695	739	510	356	174	201	117
MAX	924	570	456	454	210	2,760	1,400	866	852	379	515	638
MIN	98	182	130	89	90	110	358	254	113	81	71	57
CFSM	1.77	1.64	1.34	0.98	0.78	4.06	4.32	2.98	2.08	1.02	1.17	0.69
IN.	2.04	1.83	1.55	1.13	0.81	4.68	4.82	3.44	2.32	1.17	1.35	0.77

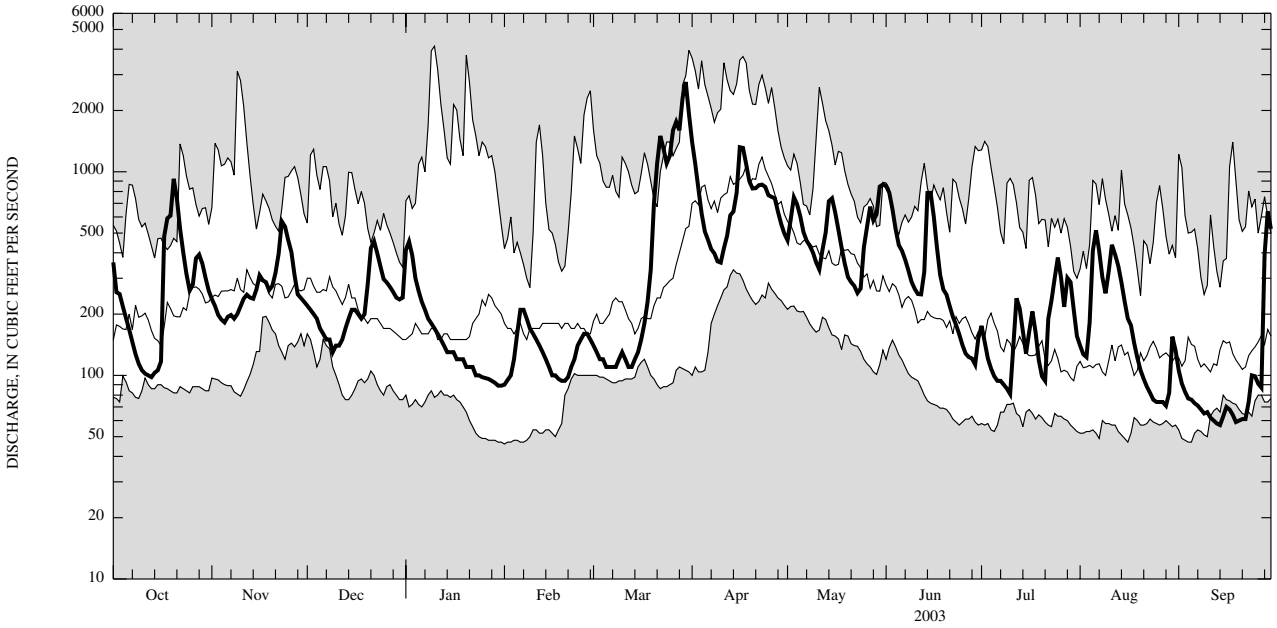
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2003, BY WATER YEAR (WY)

MEAN	240	325	258	278	231	387	960	443	270	185	168	167
MAX	414	603	577	816	467	811	1,780	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)

04268800 WEST BRANCH ST. REGIS RIVER NEAR PARISHVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1959 - 2003	
ANNUAL TOTAL	140,638		119,138			
ANNUAL MEAN	385		326		327	
HIGHEST ANNUAL MEAN					455	2000
LOWEST ANNUAL MEAN					198	1965
HIGHEST DAILY MEAN	2,250	Apr 14	2,760	Mar 30	4,140	Jan 10, 1998
LOWEST DAILY MEAN	50	Sep 10	57	Sep 14	46	Feb 1, 1961
ANNUAL SEVEN-DAY MINIMUM	53	Sep 4	62	Sep 9	47	Jan 28, 1961
ANNUAL RUNOFF (CFSM)	2.25		1.91		1.91	
ANNUAL RUNOFF (INCHES)	30.59		25.92		25.98	
10 PERCENT EXCEEDS	862		739		681	
50 PERCENT EXCEEDS	270		210		210	
90 PERCENT EXCEEDS	96		91		94	

e Estimated



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.

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)
Mar 25	1745	a7,100	9.78	Mar 30	0945	*7,920	*10.09

a Result of release from ice jam.

Minimum discharge, 134 ft^3/s, Sept. 11, gage height, 5.72 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,140	848	e840	1,060	e360	e520	e4,200	1,500	2,270	377	420	382
2	881	725	e800	1,000	e400	e490	e3,300	1,730	2,260	406	379	317
3	974	660	e760	1,030	e440	e450	e2,600	2,260	1,920	348	356	266
4	874	642	e740	990	e500	e410	e2,200	2,130	1,570	309	641	248
5	770	603	e700	894	e640	e380	e1,900	1,890	1,250	280	968	240
6	653	618	e660	826	e700	e370	e1,600	1,670	1,210	313	1,970	234
7	558	627	e620	648	e720	e370	e1,400	1,570	1,160	273	1,810	223
8	499	611	e580	621	e720	e380	e1,300	1,440	970	259	1,280	217
9	471	622	e540	595	e680	e400	e1,200	1,440	881	247	898	256
10	376	651	e520	564	e640	e430	e1,200	1,350	766	235	1,140	170
11	350	694	e540	e540	e600	e430	e1,300	1,170	725	326	1,500	155
12	340	739	e560	e520	e560	e430	e1,600	1,340	714	462	1,350	180
13	338	794	e600	e500	e520	e410	e1,800	1,640	968	556	1,160	185
14	339	742	e640	e480	e500	e400	e2,100	2,180	3,240	485	986	187
15	334	810	e680	e450	e460	e400	e2,500	2,340	2,650	393	763	181
16	347	917	690	e440	e420	e430	e3,100	2,040	2,000	376	633	199
17	872	985	535	e450	e390	e500	e3,300	1,710	1,460	473	536	225
18	1,640	976	553	e430	e360	e700	e3,300	1,460	1,090	464	471	172
19	1,690	962	549	e440	e340	e1,400	e3,000	1,230	900	423	400	217
20	2,050	903	776	e420	e340	e1,800	e2,800	1,020	819	327	366	175
21	2,120	1,040	1,100	e400	e340	e2,400	e2,500	899	777	318	313	152
22	1,730	1,190	1,170	e380	e360	e2,800	e2,400	880	687	376	302	210
23	1,410	1,920	1,140	e370	e390	e3,200	e2,500	781	476	580	256	238
24	1,130	1,980	1,030	e370	e430	e3,600	e2,500	788	443	716	241	218
25	968	1,770	782	e360	e480	e4,000	e2,400	1,440	437	1,120	223	281
26	967	1,460	760	e360	e500	5,520	e2,200	2,040	448	1,050	244	279
27	1,030	1,270	659	e350	e520	5,530	e2,000	2,300	371	727	176	272
28	1,130	1,010	e640	e360	e520	5,290	e1,900	2,010	359	681	285	470
29	1,130	898	e580	e350	---	5,580	e1,700	1,830	341	765	198	1,350
30	1,050	e860	521	e360	---	7,480	e1,600	2,210	335	682	337	1,560
31	931	---	672	e360	---	e5,600	---	2,230	---	510	431	---
TOTAL	29,092	28,527	21,937	16,918	13,830	62,100	67,400	50,518	33,497	14,857	21,033	9,459
MEAN	938	951	708	546	494	2,003	2,247	1,630	1,117	479	678	315
MAX	2,120	1,980	1,170	1,060	720	7,480	4,200	2,340	3,240	1,120	1,970	1,560
MIN	334	603	520	350	340	370	1,200	781	335	235	176	152
CFSM	1.53	1.55	1.16	0.89	0.81	3.27	3.67	2.66	1.82	0.78	1.11	0.52
IN.	1.77	1.73	1.33	1.03	0.84	3.77	4.10	3.07	2.04	0.90	1.28	0.57

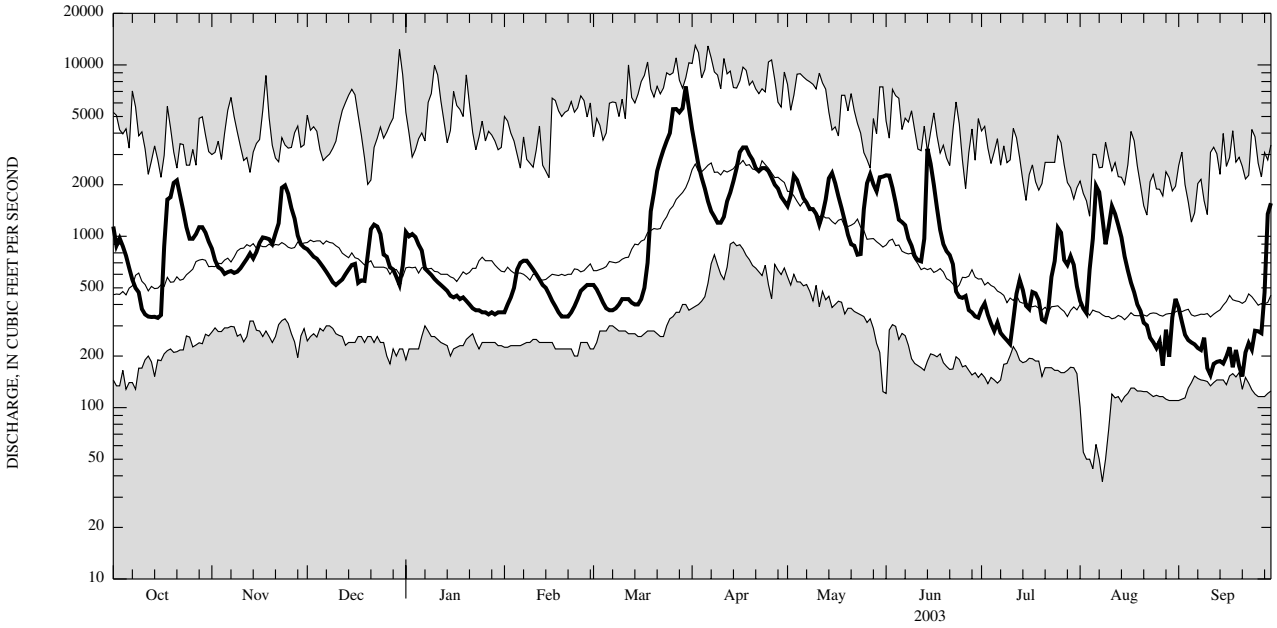
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2003, BY WATER YEAR (WY)

MEAN	762	1,001	968	886	771	1,512	2,811	1,551	848	547	476	530
MAX	2,203	2,467	2,674	2,678	2,268	3,434	5,576	4,512	2,848	1,486	1,564	1,541
(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)

04269000 ST. REGIS RIVER AT BRASHER CENTER, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1910 - 2003	
ANNUAL TOTAL	419,350		369,168			
ANNUAL MEAN	1,149		1,011		1,055	
HIGHEST ANNUAL MEAN					1,884	1947
LOWEST ANNUAL MEAN					581	1941
HIGHEST DAILY MEAN	5,400	Apr 15	7,480	Mar 30	13,000	Apr 2, 1916
LOWEST DAILY MEAN	142	Sep 10	152	Sep 21	37	Aug 8, 1917
ANNUAL SEVEN-DAY MINIMUM	161	Sep 5	180	Sep 10	49	Aug 3, 1917
ANNUAL RUNOFF (CFSM)	1.88		1.65		1.72	
ANNUAL RUNOFF (INCHES)	25.49		22.44		23.42	
10 PERCENT EXCEEDS	2,450		2,190		2,230	
50 PERCENT EXCEEDS	898		680		690	
90 PERCENT EXCEEDS	317		283		290	

e Estimated



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 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, 1,660 ft^3/s, Mar. 30, gage height, 3.86 ft, outside gage height was 4.15 ft, from crest-stage gage; minimum discharge, 22 ft^3/s, June 26, gage height, 0.45 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

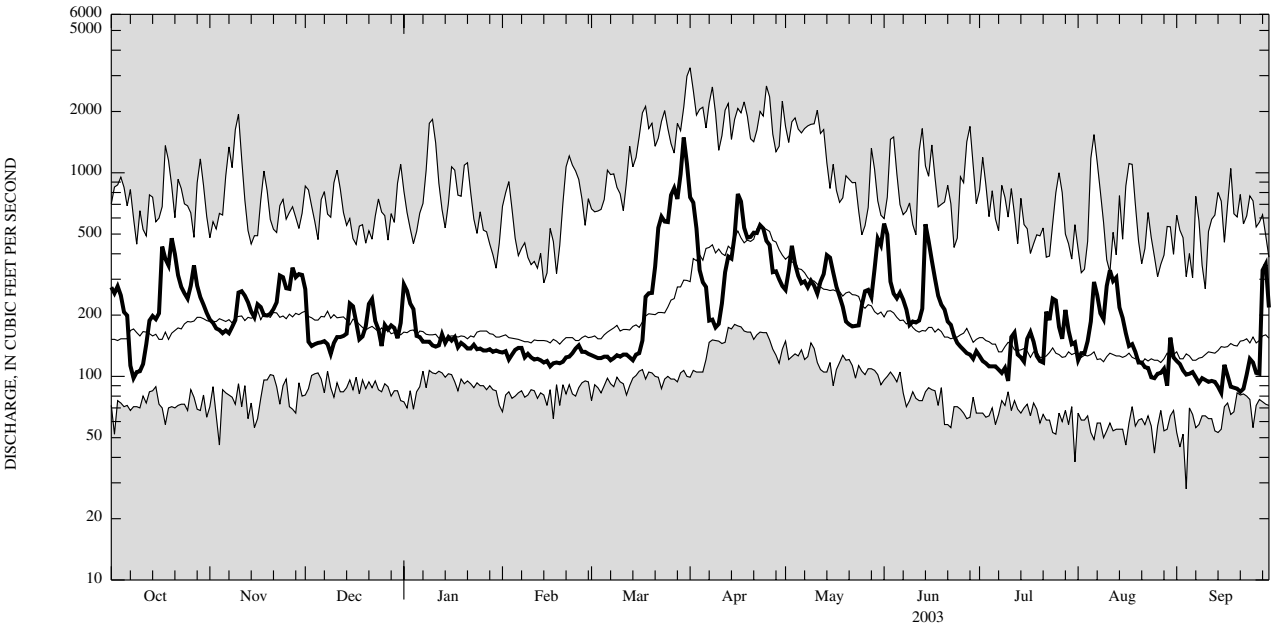
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	274	190	268	283	131	127	758	266	563	126	120	119
2	256	183	148	263	133	125	714	330	498	119	130	115
3	277	172	141	228	121	123	533	438	292	116	130	107
4	250	169	144	214	128	123	333	356	255	112	149	102
5	207	163	146	158	135	125	290	312	242	112	186	103
6	199	168	147	156	138	125	275	287	258	112	291	105
7	113	163	149	148	138	120	188	293	238	108	251	99
8	98	175	144	148	124	123	190	274	213	104	204	93
9	105	189	129	148	129	127	174	295	179	110	191	98
10	106	258	146	142	124	125	181	279	186	95	278	96
11	115	262	156	140	121	128	228	255	184	156	332	94
12	144	249	156	142	122	128	325	292	188	164	294	95
13	188	231	158	161	120	124	388	318	215	128	306	94
14	198	208	162	146	117	120	379	394	559	124	218	89
15	191	195	228	156	119	128	492	383	462	118	194	83
16	204	226	221	150	112	130	787	324	371	153	163	114
17	434	219	185	156	116	150	723	276	302	165	141	101
18	378	200	152	139	117	246	537	247	249	148	144	89
19	351	199	157	146	116	256	480	220	225	126	132	88
20	477	203	176	142	118	257	484	186	213	119	117	87
21	399	214	227	137	124	346	508	180	186	117	117	84
22	314	231	240	137	125	537	506	176	179	208	111	87
23	275	313	187	143	130	609	553	177	158	189	110	102
24	256	307	170	136	137	576	533	178	146	241	99	122
25	241	271	141	137	142	573	463	224	140	236	98	117
26	279	269	179	134	132	777	442	262	135	175	103	104
27	351	342	170	134	132	841	325	266	130	153	104	103
28	279	307	178	136	129	744	328	245	128	212	109	332
29	245	318	173	132	---	982	300	337	122	168	90	356
30	225	315	154	134	---	1,490	278	475	133	144	155	218
31	205	---	183	132	---	1,110	---	441	---	147	124	---
TOTAL	7,634	6,909	5,315	4,858	3,530	11,495	12,695	8,986	7,349	4,505	5,191	3,596
MEAN	246	230	171	157	126	371	423	290	245	145	167	120
MAX	477	342	268	283	142	1,490	787	475	563	241	332	356
MIN	98	163	129	132	112	120	174	176	122	95	90	83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2003, BY WATER YEAR (WY)

MEAN	195	219	203	194	168	276	548	334	206	158	148	158
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1925 - 2003	
ANNUAL TOTAL	91,522		82,063			
ANNUAL MEAN	251		225		234	
HIGHEST ANNUAL MEAN					364	1947
LOWEST ANNUAL MEAN					152	1965
HIGHEST DAILY MEAN	1,650	Jun 13	1,490	Mar 30	3,280	Apr 1, 1998
LOWEST DAILY MEAN	82	Sep 6	83	Sep 15	28	Sep 4, 1934
ANNUAL SEVEN-DAY MINIMUM	86	Sep 4	91	Sep 17	55	Aug 5, 1941
10 PERCENT EXCEEDS	436		390		413	
50 PERCENT EXCEEDS	191		173		174	
90 PERCENT EXCEEDS	109		111		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 2002 to current year. (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. Satellite and telephone gage-height telemeter at station.

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 YEAR.--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)
Mar 26	0915	ice jam	*10.17	Jun 14	0845	*1,470	8.45
Mar 30	0515	973	6.99				

Minimum discharge, 18 ft^3/s, Oct. 13, Sept. 23; minimum gage height, 1.81 ft, Sept. 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	56	e100	e150	e42	e56	286	126	223	36	36	26
2	33	57	e98	e120	e44	e54	234	244	258	35	34	25
3	58	51	e96	e110	e47	e50	207	332	177	34	34	24
4	60	53	e94	e100	e50	e45	174	193	135	32	48	24
5	40	55	e88	e90	e66	e42	161	151	117	38	69	24
6	34	58	e82	e84	e76	e40	158	138	104	36	215	24
7	30	59	e76	e74	e80	e41	137	217	97	32	135	23
8	26	57	e72	e72	e80	e43	134	184	85	31	86	23
9	23	60	e68	e68	e76	e45	125	164	77	31	65	22
10	22	60	e66	e64	e72	e49	136	162	71	28	66	22
11	21	60	e64	e60	e66	e50	194	134	67	46	131	21
12	20	64	e66	e56	e62	e47	205	162	69	56	98	21
13	20	58	e70	e54	e56	e45	185	191	125	41	74	21
14	21	55	e80	e52	e52	e45	164	248	e1,100	37	60	21
15	21	66	e92	e50	e46	e50	158	248	e420	34	50	21
16	24	114	e86	e50	e43	e56	187	193	e220	35	44	21
17	167	86	e72	e49	e41	e70	227	175	146	36	39	20
18	137	94	e70	e48	e39	e90	184	138	112	36	36	20
19	116	98	e76	e46	e38	e150	163	94	94	34	35	19
20	208	102	e90	e45	e38	e240	156	84	93	32	33	19
21	132	180	e200	e43	e39	e340	149	79	83	32	32	19
22	93	217	e180	e41	e42	e450	175	83	72	38	30	19
23	75	384	e140	e39	e44	e410	205	74	64	43	26	20
24	64	270	e110	e39	e47	e410	255	75	57	42	25	20
25	62	210	e90	e38	e50	e470	247	274	50	116	25	23
26	81	173	e82	e37	e54	e700	227	298	46	72	25	22
27	119	148	e76	e37	e56	e580	e320	406	42	56	26	21
28	92	e130	e70	e37	e58	e460	e220	223	44	62	24	52
29	76	e120	e68	e38	---	658	e160	169	38	56	26	92
30	66	e110	e68	e39	---	786	130	294	37	48	29	57
31	59	---	e76	e40	---	413	---	253	---	40	29	---
TOTAL	2,040	3,305	2,766	1,870	1,504	6,985	5,663	5,806	4,323	1,325	1,685	786
MEAN	65.8	110	89.2	60.3	53.7	225	189	187	144	42.7	54.4	26.2
MAX	208	384	200	150	80	786	320	406	1,100	116	215	92
MIN	20	51	64	37	38	40	125	74	37	28	24	19
CFSM	0.71	1.19	0.97	0.65	0.58	2.44	2.05	2.03	1.56	0.46	0.59	0.28
IN.	0.82	1.33	1.12	0.75	0.61	2.82	2.28	2.34	1.74	0.53	0.68	0.32

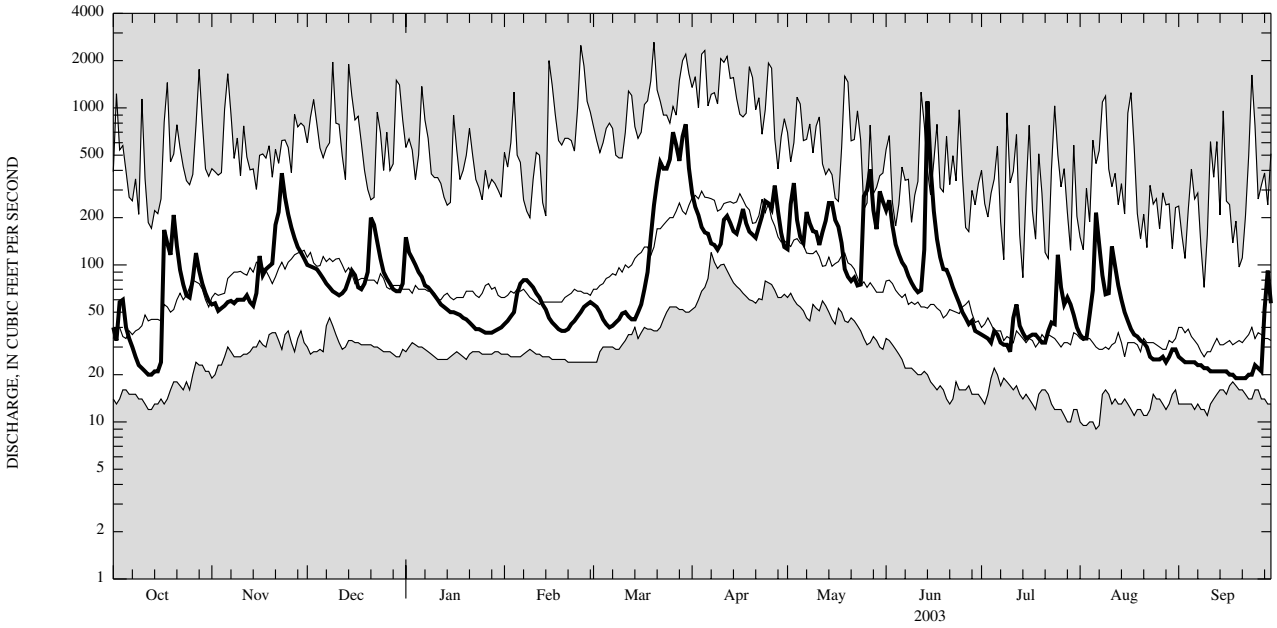
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2003, BY WATER YEAR (WY)

MEAN	81.3	128	126	91.2	103	216	313	140	84.4	52.9	53.2	49.8
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)

04270200 LITTLE SALMON RIVER AT BOMBAY, NY—Continued

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1957 - 2003	
ANNUAL TOTAL	38,058			
ANNUAL MEAN	104		120	
HIGHEST ANNUAL MEAN			178	1973
LOWEST ANNUAL MEAN			75.9	1965
HIGHEST DAILY MEAN	1,100	Jun 14	2,620	Mar 20, 1986
LOWEST DAILY MEAN	19	Sep 19	9.0	Aug 6, 1965
ANNUAL SEVEN-DAY MINIMUM	19	Sep 17	9.6	Aug 1, 1965
ANNUAL RUNOFF (CFSM)	1.13		1.30	
ANNUAL RUNOFF (INCHES)	15.36		17.69	
10 PERCENT EXCEEDS	220		253	
50 PERCENT EXCEEDS	66		68	
90 PERCENT EXCEEDS	25		26	

e Estimated



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, water years 1985 and 1987-89 (annual maximum only), March 1990 to current year.

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). 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)
Mar 26	1715	ice jam	*8.93	Mar 30	1345	2,530	6.49
Mar 26	--	a*3,000	ice jam				

a About.

Minimum discharge, 27 ft^3/s, Sept. 22, 23, gage height, 1.44 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	197	e270	e200	e100	e94	974	315	523	88	110	49
2	85	198	e260	e220	e100	e84	822	494	923	86	93	44
3	88	171	e240	e240	e110	e80	748	938	610	84	91	43
4	121	166	e230	e260	e120	e80	642	629	378	79	111	41
5	103	165	e220	e270	e130	e82	569	466	293	74	186	40
6	86	174	e210	e260	e140	e86	530	396	293	71	589	38
7	71	199	e200	e230	e140	e90	483	610	263	68	522	38
8	63	186	e190	e210	e150	e94	450	536	228	64	372	37
9	49	192	e180	e200	e140	e100	319	490	204	61	458	37
10	41	221	e180	e190	e140	e100	311	526	188	53	461	36
11	40	250	e180	e180	e130	e98	467	420	184	77	534	33
12	38	231	e180	e170	e120	e92	592	574	187	143	509	31
13	39	212	e190	e160	e120	e86	638	821	191	110	438	29
14	42	209	e190	e150	e110	e86	554	1,080	1,830	92	259	29
15	37	201	e200	e150	e100	e88	524	952	1,330	85	174	29
16	41	208	e210	e140	e100	e90	871	679	752	91	135	32
17	319	212	e200	e140	e96	e100	797	508	507	123	110	32
18	454	240	e180	e140	e94	e130	562	438	383	96	97	29
19	344	234	e180	e130	e96	e190	465	437	316	75	87	29
20	508	237	e200	e130	e100	e360	448	377	264	63	79	29
21	415	305	e230	e120	e100	e700	481	288	226	58	72	30
22	298	430	e250	e120	e110	e1,400	634	249	188	75	69	29
23	232	847	e260	e120	e110	e1,300	943	226	170	124	62	33
24	198	796	e240	e120	e110	e1,400	1,010	213	153	308	53	50
25	173	647	e220	e110	e110	e1,600	819	328	134	322	49	56
26	190	529	e210	e110	e110	e2,000	728	1,120	122	199	50	55
27	390	442	e200	e110	e100	e1,700	730	1,060	113	140	53	42
28	371	e320	e190	e100	e100	1,510	525	777	103	131	49	51
29	302	e300	e180	e100	---	1,850	393	592	93	115	45	111
30	249	e280	e180	e100	---	2,380	331	482	90	127	50	107
31	214	---	e190	e100	---	1,460	---	407	---	136	55	---
TOTAL	5,708	8,999	6,440	4,980	3,186	19,510	18,360	17,428	11,239	3,418	6,022	1,269
MEAN	184	300	208	161	114	629	612	562	375	110	194	42.3
MAX	508	847	270	270	150	2,380	1,010	1,120	1,830	322	589	111
MIN	37	165	180	100	94	80	311	213	90	53	45	29

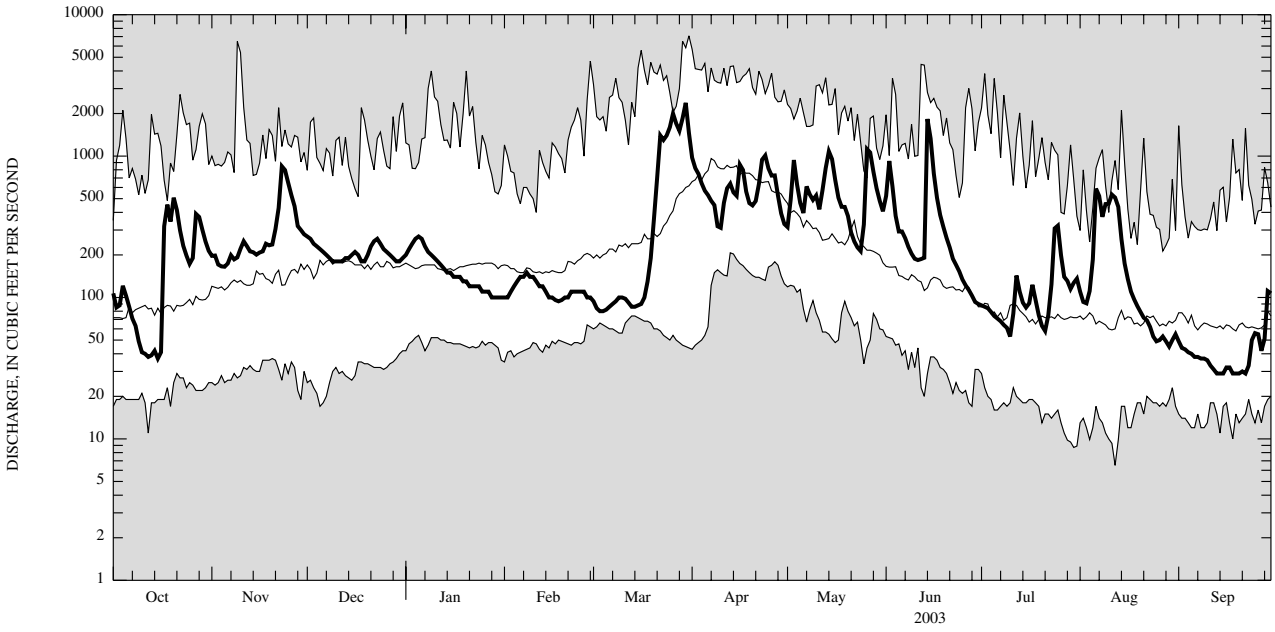
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	145	214	206	251	212	500	940	392	217	125	89.9	84.3
MAX	589	910	568	775	553	1,217	2,377	969	1,068	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)

04271500 GREAT CHAZY RIVER AT PERRY MILLS, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	125,407		106,559			
ANNUAL MEAN	344		292		280	
HIGHEST ANNUAL MEAN					514	1947
LOWEST ANNUAL MEAN					97.2	1965
HIGHEST DAILY MEAN	4,450	Jun 12	2,380	Mar 30	7,090	Mar 31, 1998
LOWEST DAILY MEAN	17	Sep 9	29	Sep 13	6.5	Aug 12, 2001
ANNUAL SEVEN-DAY MINIMUM	24	Sep 4	30	Sep 13	11	Aug 7, 2001
10 PERCENT EXCEEDS	829		644		629	
50 PERCENT EXCEEDS	200		180		140	
90 PERCENT EXCEEDS	42		50		44	

e Estimated



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.

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)
Nov 23	1900	*389	3.60	Mar 22	0315	ice jam	*4.46

Minimum discharge, 2.4 ft^3/s, Sept. 19, 20, 22, 23, gage height, 1.61 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	45	e56	e27	e14	e14	162	74	78	11	7.6	6.6
2	22	44	e52	e26	e14	e13	138	100	115	10	7.0	6.1
3	21	39	e46	27	e15	e11	118	140	96	9.9	6.6	5.6
4	20	36	e40	28	e16	e11	100	119	71	9.4	8.3	5.3
5	18	35	e34	28	e19	e11	85	98	58	8.7	22	4.9
6	17	39	e33	27	e22	e12	81	89	56	8.7	72	4.6
7	15	47	e32	e24	e24	e12	76	101	47	7.6	65	4.2
8	12	45	e31	e23	e24	e13	75	96	43	6.9	52	3.9
9	11	43	30	e22	e23	e14	71	92	36	6.1	41	3.8
10	9.3	43	28	e21	e21	e14	74	91	31	4.9	60	3.5
11	8.4	43	31	e20	e20	e14	93	80	29	7.7	109	2.9
12	7.7	41	31	e20	e19	e13	107	127	28	13	114	3.0
13	7.3	38	30	e19	e17	e13	112	193	31	12	216	2.9
14	6.2	38	33	e19	e16	e13	103	210	189	10	171	2.6
15	6.5	36	48	e18	e15	e14	93	195	227	8.8	98	2.6
16	8.0	34	e42	e18	e15	e15	103	158	146	8.0	63	2.7
17	44	36	e36	e17	e14	e20	105	124	101	8.9	44	2.5
18	103	42	32	e17	e13	e27	91	100	73	7.8	34	2.5
19	86	44	31	e16	e13	e36	80	83	56	6.2	27	2.5
20	82	52	36	e16	e13	e60	77	72	53	5.3	22	2.5
21	74	69	42	e15	e14	e140	74	70	45	5.4	19	2.6
22	60	95	46	e15	e16	e300	88	65	37	7.8	16	2.5
23	48	299	e42	e14	e17	e240	136	57	31	11	13	4.1
24	39	314	e38	e14	e18	e210	151	54	27	19	10	6.4
25	33	206	e34	e13	e18	e210	130	78	23	30	9.1	7.4
26	40	146	e30	e13	e17	e250	116	122	20	26	9.0	6.4
27	82	120	e27	e12	e16	290	138	135	17	20	9.0	5.6
28	95	e86	e27	e12	e15	234	123	111	15	16	7.9	13
29	76	e70	e27	e12	---	222	99	90	13	13	7.1	32
30	60	e60	e26	e13	---	254	82	76	12	11	7.0	29
31	50	---	e26	e13	---	216	---	63	---	9.4	7.2	---
TOTAL	1,188.4	2,285	1,097	579	478	2,916	3,081	3,263	1,804	339.5	1,353.8	184.2
MEAN	38.3	76.2	35.4	18.7	17.1	94.1	103	105	60.1	11.0	43.7	6.14
MAX	103	314	56	28	24	300	162	210	227	30	216	32
MIN	6.2	34	26	12	13	11	71	54	12	4.9	6.6	2.5
CFSM	0.76	1.51	0.70	0.37	0.34	1.87	2.04	2.09	1.20	0.22	0.87	0.12
IN.	0.88	1.69	0.81	0.43	0.35	2.16	2.28	2.41	1.33	0.25	1.00	0.14

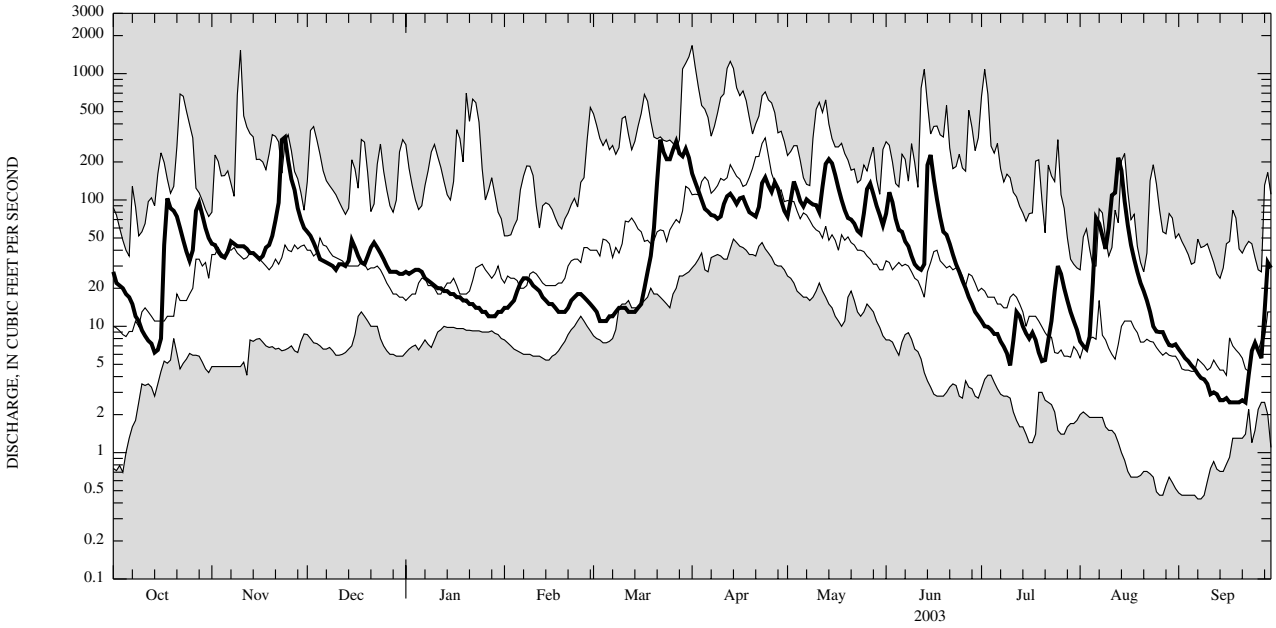
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2003, BY WATER YEAR (WY)

MEAN	38.1	63.4	42.9	45.3	34.9	103	204	80.6	59.3	30.6	17.5	10.6
MAX	110	214	122	129	75.6	274	420	213	234	163	43.7	40.0
(WY)	(1997)	(1997)	(1997)	(1995)	(1991)	(2000)	(1993)	(2000)	(2002)	(1998)	(2003)	(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)

04271815 LITTLE CHAZY RIVER NEAR CHAZY, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1990 - 2003	
ANNUAL TOTAL	22,763.1		18,568.9			
ANNUAL MEAN	62.4		50.9		60.1	
HIGHEST ANNUAL MEAN					95.8	1998
LOWEST ANNUAL MEAN					28.1	1992
HIGHEST DAILY MEAN	1,080	Jun 13	314	Nov 24	1,670	Apr 1, 1998
LOWEST DAILY MEAN	1.0	Sep 10	2.5	Sep 17	0.43	Sep 7, 1991
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 4	2.5	Sep 16	0.45	Sep 2, 1991
ANNUAL RUNOFF (CFSM)	1.24		1.01		1.20	
ANNUAL RUNOFF (INCHES)	16.83		13.73		16.24	
10 PERCENT EXCEEDS	152		121		148	
50 PERCENT EXCEEDS	36		28		26	
90 PERCENT EXCEEDS	1.9		7.0		4.3	

e Estimated



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 4.68 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, 4,590 ft^3/s, Mar. 30, gage height, 7.12 ft; minimum discharge, 150 ft^3/s, Sept. 6, gage height, 2.35 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	969	914	838	705	e520	e430	2,680	1,470	1,340	485	447	355
2	796	889	735	748	e500	e420	2,430	1,730	1,450	429	442	355
3	884	854	638	671	e500	e430	2,150	2,160	1,300	409	466	347
4	838	803	434	681	e520	e450	1,870	1,870	1,220	403	448	342
5	639	717	545	682	e540	e440	1,700	1,700	1,160	412	918	286
6	514	680	e620	740	e560	e410	1,610	1,610	1,190	366	1,610	274
7	501	567	e660	710	e560	e390	1,520	1,560	1,150	359	1,230	333
8	488	580	e640	684	e520	e390	1,470	1,470	1,100	345	927	351
9	493	613	e620	e660	e520	e390	1,330	1,440	862	342	1,030	335
10	478	639	e640	e640	e500	e370	1,290	1,390	997	330	1,030	336
11	457	692	e660	e620	e480	e360	1,340	1,310	947	648	1,010	328
12	463	603	e640	e620	e450	e360	1,480	1,600	882	535	1,010	328
13	429	635	e660	e640	e440	e350	1,620	1,770	935	442	1,080	323
14	427	686	e620	e620	e410	e340	1,560	1,870	1,800	381	774	327
15	395	711	630	e640	e380	e340	1,610	1,810	1,420	378	695	323
16	495	696	596	e620	e370	e360	2,080	1,600	1,230	406	661	330
17	1,190	723	543	e620	e360	e430	1,890	1,480	994	455	631	351
18	1,010	789	508	e600	e370	e700	1,730	1,370	958	407	608	354
19	958	770	549	e620	e380	e860	1,710	1,320	939	382	622	347
20	1,610	811	719	e620	e400	e1,000	1,710	1,260	998	370	621	351
21	1,460	910	692	e600	e400	e1,500	1,640	1,250	923	376	614	328
22	1,250	885	735	e560	e390	e2,000	1,700	1,160	794	451	610	322
23	1,090	1,140	705	e540	e410	2,100	2,150	1,080	753	507	579	408
24	1,020	1,100	654	e540	e440	1,950	2,170	1,030	475	740	513	443
25	989	1,010	611	e540	e480	2,000	1,930	1,110	488	604	466	354
26	1,060	1,040	600	e560	e490	2,730	1,840	1,400	475	510	533	325
27	1,260	979	555	e560	e480	2,850	1,850	1,310	467	477	361	341
28	1,220	803	645	e560	e450	2,480	1,740	945	460	544	327	445
29	1,030	868	641	e560	---	2,930	1,640	869	444	521	300	709
30	839	870	549	e540	---	4,060	1,530	1,230	490	565	475	486
31	842	---	604	e540	---	3,210	---	1,320	---	501	385	---
TOTAL	26,094	23,977	19,486	19,241	12,820	37,030	52,970	44,494	28,641	14,080	21,423	10,837
MEAN	842	799	629	621	458	1,195	1,766	1,435	955	454	691	361
MAX	1,610	1,140	838	748	560	4,060	2,680	2,160	1,800	740	1,610	709
MIN	395	567	434	540	360	340	1,290	869	444	330	300	274

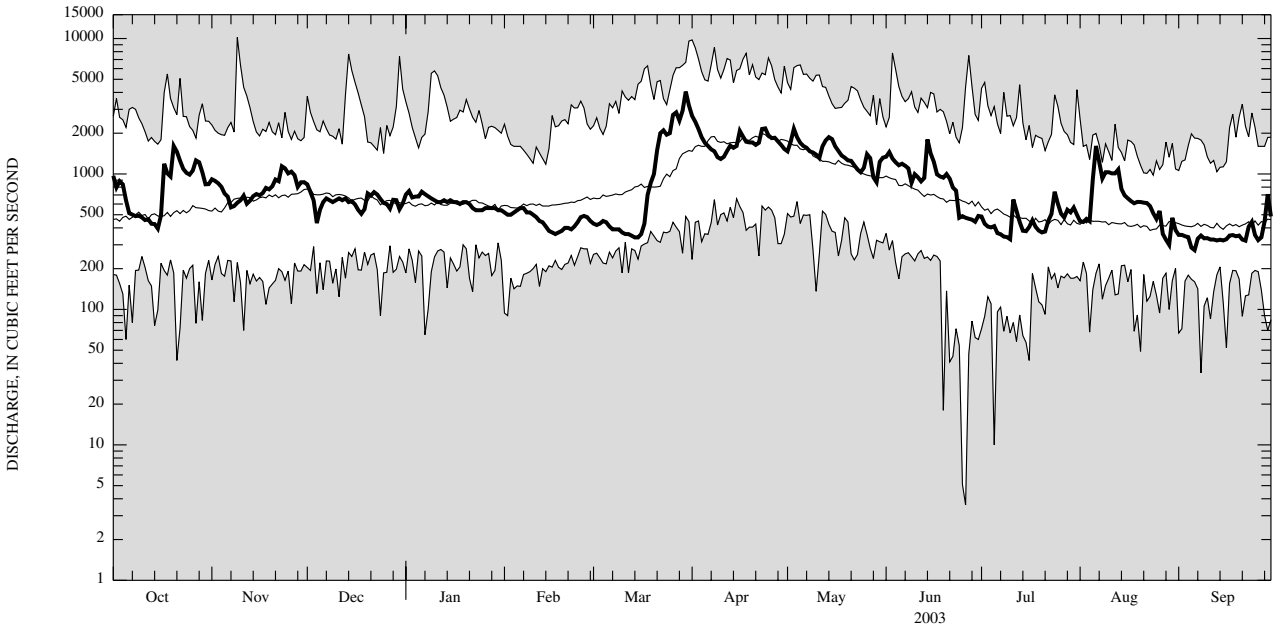
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2003, BY WATER YEAR (WY)

MEAN	623	734	729	696	659	1,095	2,002	1,382	815	569	475	489
MAX	2,162	1,971	2,071	2,176	1,372	2,487	3,626	3,687	2,757	1,820	1,045	1,220
(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)

04273500 SARANAC RIVER AT PLATTSBURGH, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1903 - 2003	
ANNUAL TOTAL	351,812		311,093			
ANNUAL MEAN	964		852		856	
HIGHEST ANNUAL MEAN					1,458	1947
LOWEST ANNUAL MEAN					460	1965
HIGHEST DAILY MEAN	3,630	Jun 12	4,060	Mar 30	10,200	Nov 9, 1996
LOWEST DAILY MEAN	228	Sep 7	274	Sep 6	3.6	Jun 26, 1979
ANNUAL SEVEN-DAY MINIMUM	244	Sep 4	320	Sep 5	38	Jun 21, 1979
10 PERCENT EXCEEDS	1,870		1,640		1,650	
50 PERCENT EXCEEDS	735		640		640	
90 PERCENT EXCEEDS	382		360		327	

e Estimated



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), water years 1969-86 (annual maximum only), March 1990 to current year. Occasional low-flow measurements, water years 1954, 1957-58.

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)
Mar 21	1815	a*950	b4.54
Mar 25	2015	ice jam	c*6.03

No other peak greater than base discharge.

a About.
b Ice jam.
c From crest-stage gage.

Minimum discharge, 9.8 ft^3/s, Sept. 18, 19, gage height, 0.45 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	43	e49	e50	e25	e25	127	61	74	25	18	18
2	24	44	e50	e52	e26	e24	108	152	86	20	19	16
3	29	39	e52	e50	e27	e24	93	164	60	19	19	16
4	28	38	e54	e49	e28	e23	76	104	47	18	19	16
5	25	39	e56	e48	e29	e23	67	80	48	17	26	16
6	22	41	e54	e50	e30	e22	70	67	69	16	88	14
7	20	46	e54	e52	e31	e22	66	64	52	15	66	14
8	19	40	e52	e50	e30	e24	66	59	45	16	43	14
9	19	40	e50	e47	e29	e25	61	61	39	15	41	14
10	19	40	e48	e44	e28	e25	66	57	36	14	49	13
11	19	41	e47	e41	e26	e25	85	56	34	60	57	13
12	20	38	e46	e39	e25	e24	89	170	35	42	53	12
13	20	43	e45	e36	e24	e23	94	178	42	26	42	12
14	21	42	e47	e35	e23	e23	83	240	198	22	32	11
15	19	39	e49	e33	e22	e23	80	159	112	19	26	11
16	33	37	e48	e32	e21	e24	88	111	63	18	22	12
17	141	41	e46	e31	e20	e27	76	84	47	19	20	12
18	86	49	e45	e30	e20	e34	63	69	40	17	20	11
19	66	46	e44	e29	e20	e76	59	60	39	15	20	11
20	86	45	e47	e29	e21	e180	58	54	59	15	19	12
21	58	50	e50	e28	e22	e600	56	53	46	15	16	11
22	46	61	e52	e28	e24	e580	80	49	36	22	15	11
23	41	150	e50	e27	e26	e390	134	46	32	32	14	20
24	37	108	e49	e26	e28	e280	113	48	28	40	13	30
25	35	87	e48	e25	e30	e300	87	82	24	37	13	18
26	53	72	e47	e25	e29	e400	85	85	22	26	15	16
27	87	63	e46	e24	e27	e260	109	89	21	23	15	14
28	67	e52	e46	e23	e26	e200	81	74	19	25	13	40
29	55	e52	e45	e24	---	e210	67	68	19	21	14	51
30	48	e50	e44	e24	---	238	58	61	31	20	34	27
31	44	---	e47	e25	---	171	---	57	---	19	23	---
TOTAL	1,313	1,576	1,507	1,106	717	4,325	2,445	2,762	1,503	708	884	506
MEAN	42.4	52.5	48.6	35.7	25.6	140	81.5	89.1	50.1	22.8	28.5	16.9
MAX	141	150	56	52	31	600	134	240	198	60	88	51
MIN	19	37	44	23	20	22	56	46	19	14	13	11
CFSM	0.67	0.83	0.77	0.56	0.40	2.20	1.29	1.41	0.79	0.36	0.45	0.27
IN.	0.77	0.93	0.89	0.65	0.42	2.54	1.44	1.62	0.88	0.42	0.52	0.30

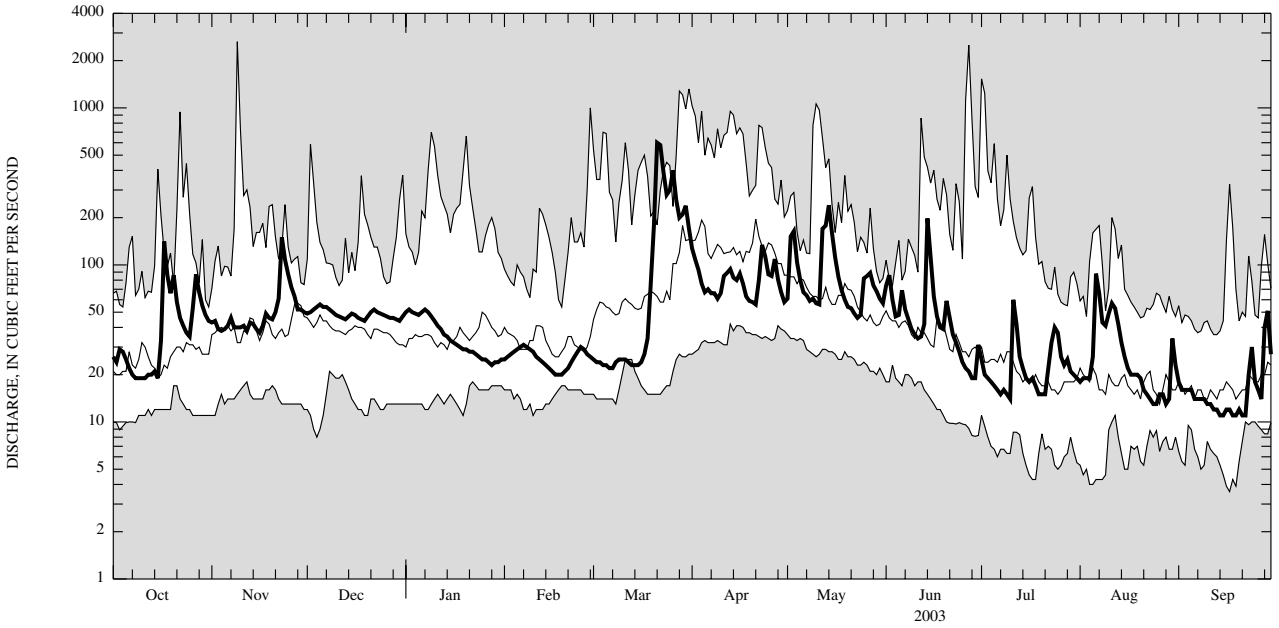
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2003, BY WATER YEAR (WY)

MEAN	38.4	54.9	47.7	54.4	43.9	110	177	81.8	61.2	37.8	24.5	21.1
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)

04273700 SALMON RIVER AT SOUTH PLATTSBURGH, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1966 - 2003	
ANNUAL TOTAL	20,816.9		19,352			
ANNUAL MEAN	57.0		53.0		62.5	
HIGHEST ANNUAL MEAN					121	1998
LOWEST ANNUAL MEAN					28.0	1967
HIGHEST DAILY MEAN	861	Jun 12	600	Mar 21	2,640	Nov 9, 1996
LOWEST DAILY MEAN	9.9	Sep 10	11	Sep 14	3.6	Sep 17, 1967
ANNUAL SEVEN-DAY MINIMUM	11	Sep 5	11	Sep 13	4.5	Sep 14, 1967
ANNUAL RUNOFF (CFSM)	0.90		0.84		0.99	
ANNUAL RUNOFF (INCHES)	12.23		11.37		13.42	
10 PERCENT EXCEEDS	106		87		120	
50 PERCENT EXCEEDS	43		39		35	
90 PERCENT EXCEEDS	15		16		13	

e Estimated



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.

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)
Dec 19	0645	ice jam	*3.82	Mar 21	1645	*549	3.05

Minimum discharge, 4.2 ft^3/s, Sept. 22, gage height, 1.03 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	28	39	e29	e23	e13	107	55	70	12	10	12
2	18	28	e39	e31	e24	e12	88	90	87	11	9.7	10
3	20	27	e40	e31	e26	e11	79	121	78	11	9.8	9.5
4	19	26	e41	e30	e27	e10	71	107	60	10	9.9	9.4
5	18	26	e42	e29	e26	e9.6	62	82	53	9.4	18	8.2
6	16	28	e42	29	e25	e9.8	64	64	60	8.9	85	7.9
7	15	29	e39	30	e24	e10	62	57	58	8.5	141	7.7
8	14	29	e36	31	e23	e11	59	51	49	8.6	100	7.7
9	12	28	e35	e31	e22	e13	56	51	43	7.9	61	7.4
10	12	28	e33	e29	e21	e14	58	48	36	7.4	46	8.1
11	12	28	e31	e28	e20	e14	66	49	33	18	42	6.7
12	12	27	e30	e27	e19	e13	75	117	31	23	48	6.7
13	12	30	e31	e26	e18	e13	78	163	39	19	58	6.0
14	13	30	e32	e26	e17	e13	73	224	141	16	43	5.2
15	12	29	e33	e25	e16	e13	68	195	146	13	32	5.1
16	22	28	e31	e24	e15	e14	66	138	97	11	25	6.1
17	75	29	e30	e23	e15	e17	58	96	62	11	20	5.4
18	77	34	e29	e23	e14	e22	53	75	45	8.9	18	5.3
19	60	34	e29	e22	e15	e38	49	68	40	7.4	15	5.1
20	53	33	e30	e22	e16	e68	48	55	50	7.1	12	5.2
21	44	34	e32	e22	e17	e450	47	49	46	6.8	12	5.1
22	35	40	e32	e22	e20	379	63	46	40	9.2	11	4.8
23	31	84	e32	e21	e22	266	90	41	36	16	9.6	11
24	28	95	e31	e20	e23	216	105	42	29	23	8.6	15
25	25	80	e30	e20	e21	220	92	63	23	23	8.0	15
26	30	63	e30	e20	e19	266	81	80	20	20	7.8	12
27	36	53	e29	e20	e17	248	85	88	19	17	6.9	10
28	35	47	e28	e20	e15	190	76	80	16	17	6.6	21
29	31	42	e28	e20	---	164	64	75	13	13	9.6	36
30	30	40	e28	e21	---	155	55	72	13	12	13	30
31	28	---	e28	e22	---	131	---	64	---	11	12	---
TOTAL	868	1,157	1,020	774	560	3,023.4	2,098	2,606	1,533	397.1	908.5	304.6
MEAN	28.0	38.6	32.9	25.0	20.0	97.5	69.9	84.1	51.1	12.8	29.3	10.2
MAX	77	95	42	31	27	450	107	224	146	23	141	36
MIN	12	26	28	20	14	9.6	47	41	13	6.8	6.6	4.8
CFSM	0.41	0.57	0.49	0.37	0.29	1.44	1.03	1.24	0.75	0.19	0.43	0.15
IN.	0.48	0.63	0.56	0.42	0.31	1.66	1.15	1.43	0.84	0.22	0.50	0.17

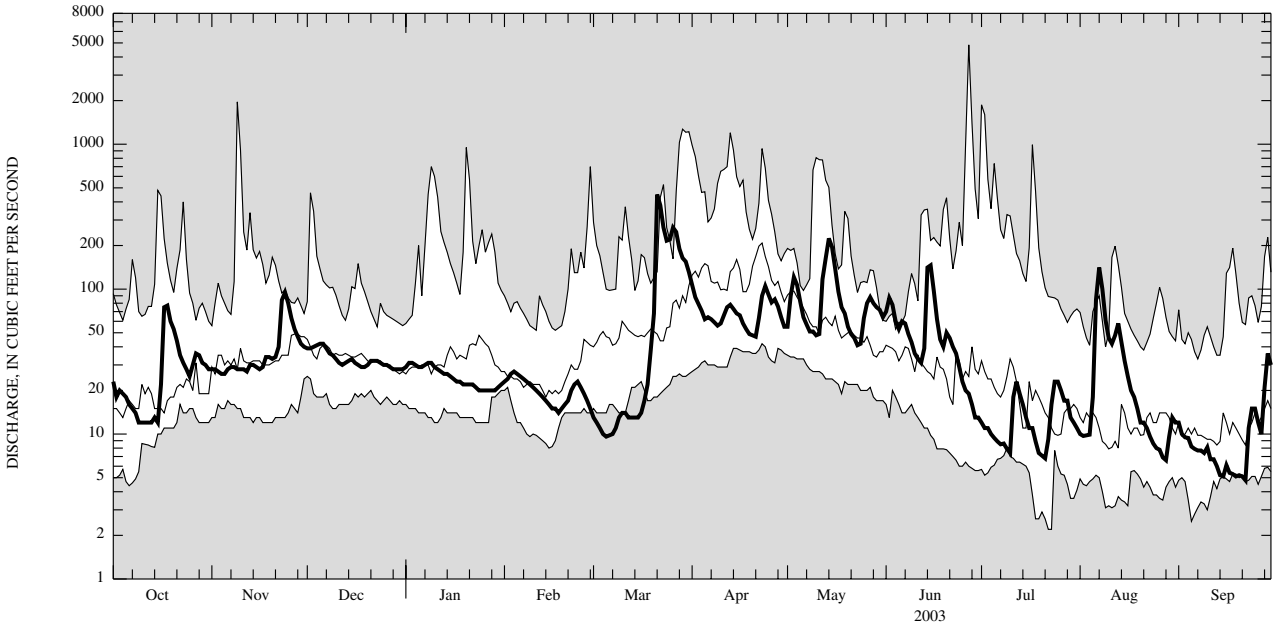
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	33.3	51.4	38.9	53.5	36.8	90.6	168	78.1	69.5	46.3	19.2	18.1
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)

04273800 LITTLE AUSABLE RIVER NEAR VALCOUR, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	15,249.4		15,249.6			
ANNUAL MEAN	41.8		41.8		58.6	
HIGHEST ANNUAL MEAN					136	1998
LOWEST ANNUAL MEAN					26.3	1995
HIGHEST DAILY MEAN	352	Jun 13	450	Mar 21	4,850	Jun 27, 1998
LOWEST DAILY MEAN	2.5	Sep 5	4.8	Sep 22	2.2	Jul 22, 1999
ANNUAL SEVEN-DAY MINIMUM	3.1	Sep 4	5.3	Sep 16	2.7	Jul 17, 1999
ANNUAL RUNOFF (CFSM)	0.62		0.62		0.86	
ANNUAL RUNOFF (INCHES)	8.37		8.37		11.74	
10 PERCENT EXCEEDS	80		83		110	
50 PERCENT EXCEEDS	30		28		30	
90 PERCENT EXCEEDS	9.0		9.6		9.0	

e Estimated



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. Satellite and telephone telemeter at station.

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)
Mar 21	2130	ice jam	*7.24
Mar 29	2315	*6,290	6.23

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 118 ft^3/s, Sept. 15, 16, gage height, 1.10 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	349	343	420	e470	e220	e270	1,510	1,260	1,470	228	204	172
2	275	324	374	e500	e230	e260	1,230	3,130	1,820	205	209	166
3	260	293	376	e520	e240	e240	1,040	3,090	1,160	192	219	162
4	235	276	416	e500	e250	e220	863	1,830	843	182	221	157
5	224	273	e420	e460	e270	e210	752	1,340	740	170	310	157
6	323	280	e410	e410	e290	e210	741	1,190	1,250	163	1,250	157
7	260	292	e410	e380	e300	e200	624	1,100	1,040	158	1,070	157
8	227	268	e400	e400	e290	e200	612	1,050	842	160	640	148
9	205	293	e400	e380	e280	e200	553	961	696	155	564	138
10	190	423	e400	e350	e270	e190	535	854	636	148	1,330	132
11	178	1,260	e390	e330	e260	e190	659	794	571	206	1,190	129
12	171	1,270	e390	e320	e250	e180	726	2,540	568	219	896	124
13	164	930	e380	e300	e240	e180	1,010	2,560	593	200	991	123
14	167	788	e380	e290	e220	e180	946	3,490	1,820	189	637	122
15	199	612	e380	e280	e210	e180	1,390	2,660	1,480	177	451	120
16	232	507	e370	e270	e200	e190	3,860	1,760	1,010	168	355	121
17	1,180	461	e370	e280	e200	e220	2,280	1,310	747	164	300	130
18	1,310	459	e370	e280	e190	e260	1,470	1,030	593	157	264	129
19	1,290	415	e520	e270	e180	e340	1,220	876	524	147	238	124
20	2,260	393	e600	e260	e180	e1,000	1,640	775	721	143	214	129
21	1,120	403	e800	e240	e190	e3,200	2,230	702	633	141	196	139
22	728	442	845	e240	e210	3,370	2,210	644	522	158	186	138
23	581	857	639	e240	e240	2,550	2,840	573	453	220	173	262
24	428	827	497	e230	e270	1,820	1,950	545	383	368	158	648
25	366	672	e420	e230	e290	1,810	1,380	620	330	386	151	369
26	397	568	e440	e230	e300	3,340	1,200	853	297	295	153	279
27	761	494	e450	e220	e290	2,560	1,870	1,050	267	234	151	234
28	627	386	e390	e220	e280	1,940	1,720	897	243	267	144	737
29	512	437	e370	e230	---	3,490	1,910	1,040	221	249	145	1,260
30	426	449	e400	e250	---	4,490	1,550	1,040	231	234	166	703
31	369	---	e430	e230	---	2,270	---	931	---	232	183	---
TOTAL	16,014	15,695	13,857	9,810	6,840	35,960	42,521	42,495	22,704	6,315	13,359	7,566
MEAN	517	523	447	316	244	1,160	1,417	1,371	757	204	431	252
MAX	2,260	1,270	845	520	300	4,490	3,860	3,490	1,820	386	1,330	1,260
MIN	164	268	370	220	180	180	535	545	221	141	144	120
CFSM	1.16	1.17	1.00	0.71	0.55	2.60	3.18	3.07	1.70	0.46	0.97	0.57
IN.	1.34	1.31	1.16	0.82	0.57	3.00	3.55	3.54	1.89	0.53	1.11	0.63

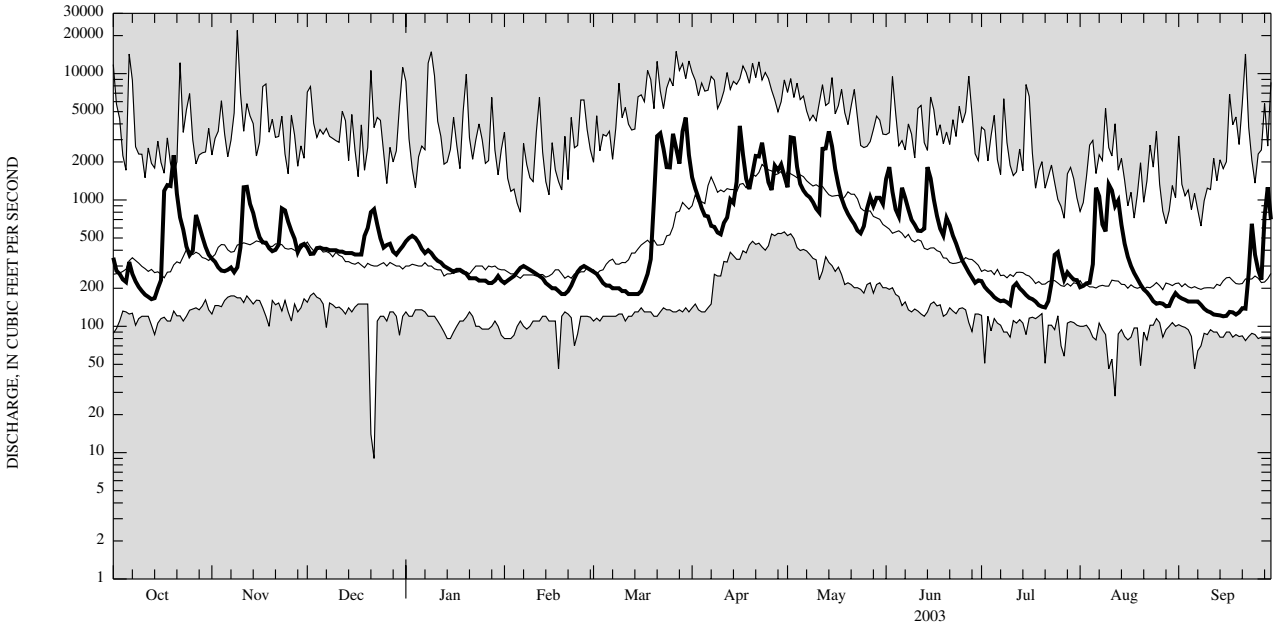
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2003, BY WATER YEAR (WY)

MEAN	494	606	518	452	362	853	1,887	1,388	627	357	287	335
MAX	1,637	1,729	1,659	1,968	1,010	3,288	3,436	3,101	1,905	1,444	718	1,255
(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)

04275500 AUSABLE RIVER NEAR AU SABLE FORKS, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1910 - 2003	
ANNUAL TOTAL	251,388		233,136			
ANNUAL MEAN	689		639		682	
HIGHEST ANNUAL MEAN					1,087	1947
LOWEST ANNUAL MEAN					380	1965
HIGHEST DAILY MEAN	8,690	Apr 14	4,490	Mar 30	22,000	Nov 9, 1996
LOWEST DAILY MEAN	86	Sep 10	120	Sep 15	9.0	Dec 22, 1912
ANNUAL SEVEN-DAY MINIMUM	90	Sep 5	124	Sep 11	72	Aug 8, 1923
ANNUAL RUNOFF (CFSM)	1.54		1.43		1.53	
ANNUAL RUNOFF (INCHES)	20.97		19.45		20.79	
10 PERCENT EXCEEDS	1,340		1,470		1,500	
50 PERCENT EXCEEDS	440		370		354	
90 PERCENT EXCEEDS	134		164		165	

e Estimated



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, water years 1980 and 1985 and 1987-89 (annual maximum only), March 1990 to current year.

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.

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)
Mar 21	1445	ice jam	*8.12	Mar 22	--	a*2,600	ice jam

a About.

Minimum discharge, 53 ft^3/s, Oct. 16, gage height, 2.24 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	126	210	e200	e120	e120	674	483	539	125	88	79
2	104	122	e200	e210	e130	e120	594	816	954	102	86	70
3	88	117	e180	e230	e150	e110	530	1,370	586	92	81	67
4	93	102	e170	e240	e160	e100	465	774	430	81	79	68
5	90	114	e160	e240	e180	e98	409	588	368	84	89	66
6	80	118	e160	e230	e200	e94	405	505	554	80	712	66
7	98	149	e150	e220	e180	e90	365	462	492	72	692	60
8	84	127	e150	e210	e160	e86	361	436	387	72	404	58
9	76	122	e140	e200	e150	e84	339	396	334	70	276	63
10	72	128	e140	e190	e140	e82	359	362	318	68	926	88
11	72	300	e140	e190	e130	e80	457	342	287	78	848	89
12	72	451	e140	e180	e130	e78	475	795	261	107	522	86
13	66	310	e150	e160	e120	e74	627	1,310	283	102	381	81
14	71	299	e150	e150	e110	e72	595	1,610	1,080	84	295	85
15	70	234	e160	e140	e110	e100	582	1,160	819	71	228	83
16	71	191	e160	e140	e100	e150	1,200	798	509	72	182	84
17	483	178	e150	e140	e100	e300	841	631	375	71	150	82
18	378	182	e150	e140	e98	e580	566	533	309	66	137	81
19	261	191	e180	e140	e100	e780	475	460	278	64	126	80
20	388	172	e210	e140	e100	e1,100	503	400	341	58	113	83
21	283	225	e300	e130	e110	e1,700	630	389	306	57	106	76
22	193	282	e350	e120	e120	e2,300	624	361	256	74	98	61
23	153	1,030	e330	e120	e140	e1,500	1,010	314	230	119	90	82
24	130	680	e300	e110	e150	e1,100	907	304	203	219	80	207
25	122	466	e270	e110	e160	e1,100	628	364	179	245	75	147
26	130	361	e250	e110	e150	e1,500	600	444	161	147	73	113
27	196	305	e240	e110	e140	1,410	1,170	550	148	116	71	89
28	190	244	e230	e110	e130	987	831	535	137	93	67	131
29	180	239	e220	e110	---	1,140	667	628	126	99	64	631
30	148	252	e200	e110	---	1,800	569	519	129	89	69	317
31	141	---	e190	e120	---	983	---	417	---	95	84	---
TOTAL	4,693	7,817	6,130	4,950	3,768	19,818	18,458	19,056	11,379	2,972	7,292	3,373
MEAN	151	261	198	160	135	639	615	615	379	95.9	235	112
MAX	483	1,030	350	240	200	2,300	1,200	1,610	1,080	245	926	631
MIN	66	102	140	110	98	72	339	304	126	57	64	58
CFSM	0.56	0.97	0.73	0.59	0.50	2.37	2.28	2.28	1.40	0.36	0.87	0.42
IN.	0.65	1.08	0.84	0.68	0.52	2.73	2.54	2.63	1.57	0.41	1.00	0.46

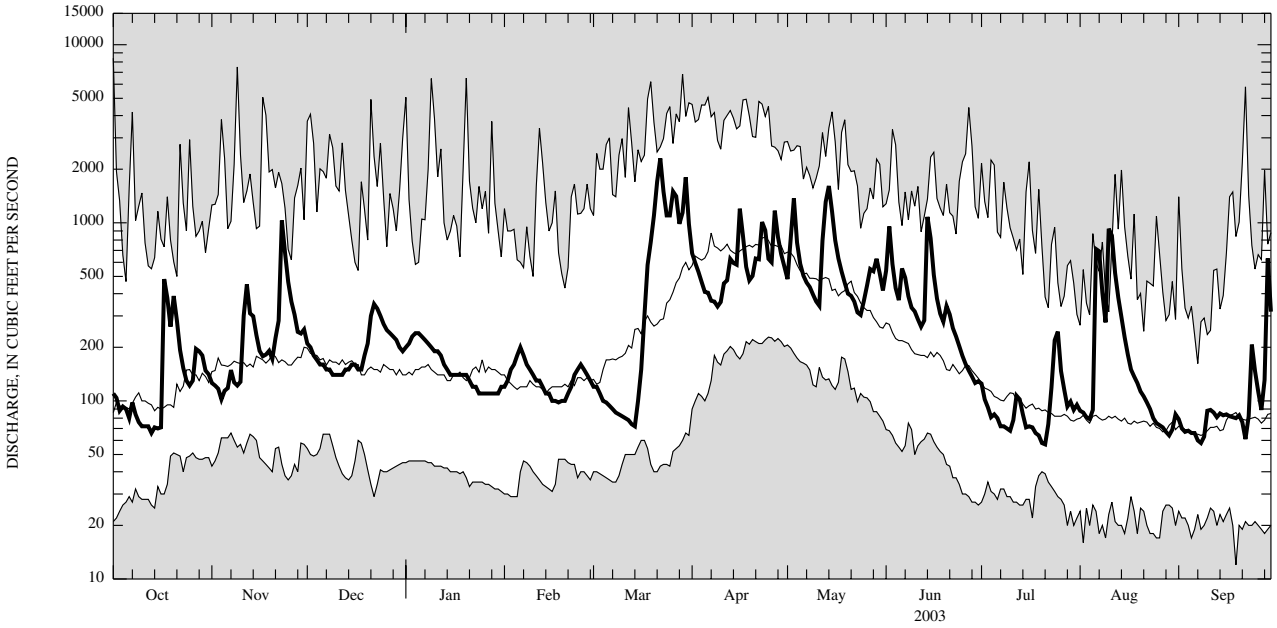
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2003, BY WATER YEAR (WY)

MEAN	175	257	234	226	181	460	947	549	258	146	106	107
MAX	543	892	755	772	627	1,375	1,945	1,140	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)

04276500 BOUQUET RIVER AT WILLSBORO, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1923 - 2003	
ANNUAL TOTAL	99,304		109,706			
ANNUAL MEAN	272		301		302	
HIGHEST ANNUAL MEAN					496	1998
LOWEST ANNUAL MEAN					122	1965
HIGHEST DAILY MEAN	3,410	May 14	2,300	Mar 22	8,400	Oct 1, 1924
LOWEST DAILY MEAN	30	Sep 9	57	Jul 21	12	Sep 19, 1957
ANNUAL SEVEN-DAY MINIMUM	33	Sep 5	64	Sep 3	20	Sep 23, 1941
ANNUAL RUNOFF (CFSM)	1.01		1.11		1.12	
ANNUAL RUNOFF (INCHES)	13.68		15.12		15.20	
10 PERCENT EXCEEDS	621		676		690	
50 PERCENT EXCEEDS	178		160		150	
90 PERCENT EXCEEDS	53		76		60	

e Estimated



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. 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)
Mar 26	1930	*631	*6.21				

Minimum discharge, 5.2 ft^3/s, Sept. 22, gage height, 3.91 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	35	72	51	26	28	271	124	114	12	22	13
2	19	34	63	45	24	29	204	179	120	10	23	11
3	19	32	51	48	23	30	173	208	90	9.4	20	11
4	17	30	47	54	28	30	150	165	70	8.6	18	22
5	17	28	50	51	36	27	137	135	70	7.9	16	18
6	14	33	48	48	36	25	130	114	83	7.1	19	14
7	13	34	46	45	34	24	117	102	67	6.8	17	12
8	11	33	45	45	30	23	104	93	57	6.8	15	11
9	10	32	36	43	28	23	96	87	47	6.2	15	9.4
10	9.6	34	40	42	26	22	98	78	43	5.9	88	8.4
11	9.1	38	39	e40	24	21	112	77	38	13	78	7.7
12	9.2	44	48	e38	e23	20	142	186	34	12	63	7.2
13	9.2	66	47	e35	e22	19	181	286	45	11	49	6.9
14	9.2	76	55	e33	e22	19	178	332	105	11	40	6.7
15	9.1	69	61	e32	e21	19	183	247	88	9.0	32	6.7
16	17	60	55	e31	e21	20	211	188	65	10	26	7.3
17	71	65	45	e30	e21	30	206	146	49	10	21	6.8
18	87	80	43	e29	e20	56	174	120	41	8.7	18	6.2
19	84	72	47	e29	e20	73	147	101	37	8.1	18	6.0
20	81	66	55	e28	e20	81	127	86	38	7.2	17	6.6
21	66	65	79	e27	e19	237	113	75	32	13	17	6.2
22	52	76	79	e26	e20	395	123	67	30	85	13	5.7
23	43	295	75	e25	e25	424	174	60	28	82	11	34
24	37	279	69	e24	e33	403	158	64	24	188	8.8	51
25	32	199	63	e23	39	436	132	85	21	173	8.0	40
26	37	156	65	e22	35	581	189	83	18	100	7.6	29
27	49	124	58	e22	33	528	328	86	16	65	7.4	23
28	50	100	65	e21	30	405	247	83	16	48	6.6	113
29	46	86	55	e21	---	444	181	103	15	37	13	137
30	41	80	46	e20	---	549	142	87	14	31	28	95
31	37	---	50	25	---	403	---	72	---	25	15	---
TOTAL	1,025.4	2,421	1,697	1,053	739	5,424	4,928	3,919	1,515	1,027.7	750.4	731.8
MEAN	33.1	80.7	54.7	34.0	26.4	175	164	126	50.5	33.2	24.2	24.4
MAX	87	295	79	54	39	581	328	332	120	188	88	137
MIN	9.1	28	36	20	19	19	96	60	14	5.9	6.6	5.7
CFSM	0.64	1.56	1.06	0.66	0.51	3.39	3.18	2.45	0.98	0.64	0.47	0.47
IN.	0.74	1.75	1.22	0.76	0.53	3.91	3.55	2.83	1.09	0.74	0.54	0.53

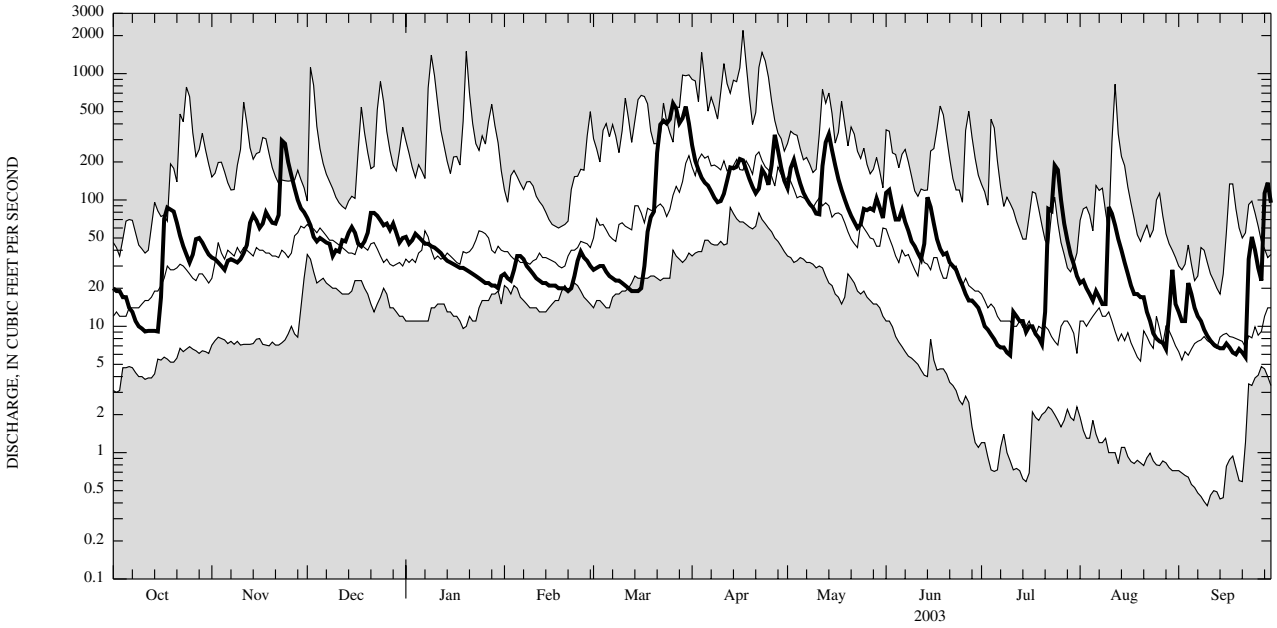
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2003, BY WATER YEAR (WY)

MEAN	38.5	63.6	68.3	74.3	47.5	132	262	108	49.5	21.5	22.0	12.9
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)

04276842 PUTNAM CREEK EAST OF CROWN POINT CENTER, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1990 - 2003	
ANNUAL TOTAL	23,877.09		25,231.3			
ANNUAL MEAN	65.4		69.1		73.6	
HIGHEST ANNUAL MEAN					100	1996
LOWEST ANNUAL MEAN					40.5	1995
HIGHEST DAILY MEAN	862	Apr 14	581	Mar 26	2,200	Apr 17, 1993
LOWEST DAILY MEAN	0.38	Sep 10	5.7	Sep 22	0.38	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	0.44	Sep 9	6.4	Sep 16	0.44	Sep 9, 2002
ANNUAL RUNOFF (CFSM)	1.27		1.34		1.43	
ANNUAL RUNOFF (INCHES)	17.21		18.19		19.37	
10 PERCENT EXCEEDS	154		173		173	
50 PERCENT EXCEEDS	41		38		34	
90 PERCENT EXCEEDS	1.4		9.5		5.7	

e Estimated



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, 4.02 ft, Apr. 28; minimum, 2.61 ft, Mar. 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.12	3.22	3.47	3.11	2.66	2.66	3.76	3.90	3.73	3.69	3.60	3.37
2	3.10	3.19	3.43	3.07	2.67	2.68	3.75	3.89	3.81	3.67	3.65	3.34
3	3.02	3.19	3.39	3.12	2.67	2.70	3.77	3.94	3.80	3.66	3.63	3.34
4	3.08	3.21	3.36	3.18	2.70	2.71	3.83	3.96	3.73	3.66	3.60	3.46
5	3.10	3.17	3.32	3.21	2.70	2.69	3.87	3.93	3.75	3.66	3.62	3.45
6	3.05	3.23	3.31	3.18	2.68	2.70	3.86	3.90	3.77	3.63	3.67	3.46
7	3.07	3.24	3.33	3.18	2.66	2.72	3.81	3.85	3.75	3.61	3.62	3.44
8	2.99	3.27	3.31	3.17	2.68	2.72	3.80	3.84	3.75	3.64	3.58	3.39
9	3.00	3.25	3.30	3.11	2.68	2.73	3.79	3.82	3.78	3.60	3.55	3.40
10	3.00	3.28	3.27	3.14	2.68	2.73	3.78	3.81	3.72	3.58	3.65	3.40
11	2.97	3.29	3.22	3.15	2.69	2.73	3.76	3.81	3.75	3.63	3.62	3.39
12	2.97	3.28	3.30	3.12	2.70	2.73	3.76	3.89	3.70	3.71	3.64	3.39
13	3.00	3.31	3.30	3.13	2.68	2.71	3.81	3.91	3.73	3.67	3.71	3.38
14	2.96	3.34	3.27	3.06	2.69	2.72	3.86	3.90	3.79	3.65	3.71	3.39
15	2.96	3.30	3.30	3.02	2.68	2.72	3.89	3.88	3.73	3.65	3.71	3.40
16	2.94	3.24	3.23	3.01	2.68	2.73	3.86	3.86	3.73	3.67	3.67	3.41
17	3.13	3.29	3.23	2.96	2.68	2.74	3.87	3.85	3.77	3.64	3.56	3.39
18	3.15	3.43	3.24	2.96	2.72	2.76	3.91	3.84	3.74	3.60	3.54	3.36
19	3.21	3.40	3.24	---	2.74	2.81	3.87	3.83	3.69	3.61	3.56	3.36
20	3.17	3.39	3.23	---	2.74	2.86	3.87	3.82	3.64	3.61	3.55	3.40
21	3.15	3.38	3.29	---	2.73	3.03	3.86	3.76	3.69	3.60	3.54	3.35
22	3.15	3.36	3.28	2.88	2.69	3.15	3.86	3.72	3.72	3.69	3.53	3.36
23	3.15	3.57	3.27	2.83	2.73	3.24	3.89	3.75	3.70	3.72	3.48	3.47
24	3.15	3.59	3.23	2.81	2.71	3.30	3.87	3.76	3.70	3.84	3.44	3.53
25	3.13	3.57	3.17	2.80	2.70	3.35	3.85	3.79	3.69	3.87	3.43	3.51
26	3.19	3.55	3.27	2.76	2.67	3.44	3.87	3.79	3.68	3.84	3.41	3.46
27	3.23	3.53	3.24	2.75	2.66	3.52	3.97	3.80	3.69	3.81	3.40	3.45
28	3.22	3.54	3.25	2.74	2.65	3.55	3.98	3.81	3.68	3.73	3.36	3.59
29	3.19	3.55	3.21	2.72	---	3.61	3.92	3.82	3.68	3.69	3.39	3.70
30	3.18	3.50	3.18	2.69	---	3.70	3.88	3.78	3.69	3.64	3.37	3.68
31	3.21	---	3.19	2.67	---	3.76	---	3.75	---	3.60	3.37	---
MEAN	3.09	3.36	3.28	---	2.69	2.97	3.85	3.84	3.73	3.67	3.55	3.43
MAX	3.23	3.59	3.47	---	2.74	3.76	3.98	3.96	3.81	3.87	3.71	3.70
MIN	2.94	3.17	3.17	---	2.65	2.66	3.75	3.72	3.64	3.58	3.36	3.34

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 No. 26 on Lake Champlain, 2.5 mi north of State boat launch at South Bay, and approximately 4 mi north of Whitehall.

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 elevation 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, 99.10 ft, May 2, affected by seiche; minimum elevation, 94.04 ft, Oct. 13, affected by seiche.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.50	94.89	95.60	---	---	94.52	97.73	97.95	98.02	96.31	95.65	95.61
2	94.68	94.96	---	---	---	94.49	97.86	98.63	97.61	96.24	95.67	95.67
3	95.14	94.90	---	---	---	94.55	98.03	98.66	97.49	96.12	95.60	95.53
4	94.58	94.71	---	---	---	94.44	98.13	98.34	97.57	96.11	95.59	95.55
5	94.54	94.87	---	---	---	94.52	97.82	98.26	97.47	96.06	95.65	95.66
6	94.72	94.87	---	---	---	94.53	97.90	98.09	97.35	96.10	95.76	95.54
7	94.42	94.97	---	---	---	94.42	97.93	98.36	97.27	96.07	95.86	95.61
8	94.74	94.41	---	---	---	94.40	97.86	98.18	97.19	95.90	95.96	95.63
9	94.52	94.61	---	---	---	94.44	97.80	98.41	96.92	95.99	96.00	95.55
10	94.43	94.46	---	---	---	94.38	97.75	98.20	97.15	95.93	95.99	95.45
11	94.46	94.53	---	---	94.81	94.34	97.71	98.03	96.87	95.79	96.21	95.38
12	94.47	94.77	---	---	94.73	94.36	97.98	98.07	97.16	95.60	96.38	95.28
13	94.32	94.92	---	---	94.78	94.41	97.98	98.24	96.96	95.64	96.46	95.26
14	94.55	94.72	---	---	94.73	94.36	97.62	98.40	97.03	95.62	96.47	95.18
15	94.32	94.97	---	---	94.72	94.35	97.59	98.44	97.33	95.60	96.36	95.08
16	94.62	95.25	---	---	94.70	94.30	98.29	98.36	97.26	95.53	96.40	95.18
17	94.56	95.25	---	---	94.69	94.35	98.25	98.38	97.05	95.59	96.66	95.21
18	94.62	94.97	---	---	94.65	94.63	97.65	98.33	96.95	95.64	96.52	95.17
19	94.37	94.89	---	---	94.57	94.84	97.79	98.25	97.12	95.59	96.32	94.97
20	94.78	94.84	---	---	94.55	94.86	97.67	98.02	97.29	95.42	96.23	94.96
21	94.92	94.91	---	---	94.53	95.51	97.53	98.29	97.02	95.40	96.17	95.04
22	94.91	95.14	---	---	94.59	96.40	97.72	98.21	96.99	95.47	96.18	94.93
23	94.95	95.71	---	---	94.60	96.92	97.81	97.95	96.91	95.69	96.30	94.94
24	94.86	95.64	---	---	94.61	96.59	97.98	97.92	96.78	95.78	96.26	94.87
25	94.88	95.72	---	---	94.60	96.33	97.95	97.79	96.71	95.73	96.05	94.71
26	94.82	95.84	---	---	94.55	96.59	97.97	97.79	96.60	95.59	95.92	94.91
27	94.92	96.09	---	---	94.55	96.79	98.16	97.77	96.59	95.54	95.95	94.76
28	95.00	95.79	---	---	94.57	96.91	97.97	97.69	96.45	95.72	95.99	95.08
29	95.15	95.39	---	---	---	97.00	98.30	97.58	96.29	95.68	95.76	95.09
30	95.20	95.57	---	---	---	97.49	98.27	97.68	96.39	95.67	95.92	95.01
31	94.89	---	---	---	---	97.82	---	97.59	---	95.65	95.72	---
MEAN	94.70	95.09	---	---	---	95.29	97.90	98.12	97.06	95.77	96.06	95.23
MAX	95.20	96.09	---	---	---	97.82	98.30	98.66	98.02	96.31	96.66	95.67
MIN	94.32	94.41	---	---	---	94.30	97.53	97.58	96.29	95.40	95.59	94.71

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 National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by power plant upstream and Lake Bomoseen.

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)
Mar 22	0230	*2,420	*11.54

No peak greater than base discharge.

Minimum daily discharge, 6.2 ft^3/s, October 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	53	324	277	e205	e250	964	347	265	48	121	38
2	18	53	298	290	e200	e272	861	516	262	42	350	37
3	17	52	290	278	e193	e253	838	793	207	30	335	38
4	18	50	237	298	e218	e240	717	651	185	41	229	583
5	19	49	211	314	e271	e278	637	490	175	36	193	436
6	18	53	194	251	e275	e253	457	360	173	33	210	318
7	15	88	186	214	e268	e238	396	338	151	32	216	235
8	6.2	100	162	200	e284	e221	393	313	155	30	184	140
9	6.5	110	135	e195	e205	e224	400	314	140	29	428	110
10	6.6	118	135	e192	e173	e211	420	307	134	28	377	95
11	8.1	129	133	e190	e170	e205	561	303	120	30	275	78
12	11	140	158	e182	e167	e222	776	576	121	39	307	64
13	15	190	247	e178	e170	e203	1,120	823	179	38	377	61
14	17	230	269	e180	e177	e188	878	1,070	201	35	282	58
15	16	224	491	e183	e193	e201	706	942	178	32	224	62
16	38	210	387	e202	e198	e228	650	803	108	29	186	59
17	117	228	316	e190	e213	389	709	525	93	30	e150	52
18	84	369	255	e195	e212	1,030	660	394	81	36	e125	45
19	63	345	254	e212	e208	1,180	485	342	80	37	108	45
20	73	348	263	e195	e202	900	348	297	79	32	70	42
21	51	404	643	e201	e207	1,610	313	266	74	31	74	41
22	45	436	512	e210	e203	2,080	304	248	81	79	70	38
23	46	1,460	426	e218	e221	1,620	378	356	98	242	64	120
24	46	1,100	352	e232	e285	1,400	389	419	72	594	63	199
25	49	841	335	e245	e375	1,470	483	394	63	846	49	120
26	45	788	321	e203	e260	1,670	513	325	59	581	51	77
27	92	715	e350	e220	e253	1,380	907	316	55	425	48	77
28	86	603	e290	e228	e248	1,180	746	202	51	159	43	114
29	76	365	242	e220	---	1,180	561	248	41	125	41	383
30	63	327	216	e212	---	1,340	381	271	40	107	43	436
31	62	---	227	e208	---	1,130	---	225	---	80	41	---
TOTAL	1,247.4	10,178	8,859	6,813	6,254	23,246	17,951	13,774	3,721	3,956	5,334	4,201
MEAN	40.2	339	286	220	223	750	598	444	124	128	172	140
MAX	117	1,460	643	314	375	2,080	1,120	1,070	265	846	428	583
MIN	6.2	49	133	178	167	188	304	202	40	28	41	37
CFSM	0.22	1.81	1.53	1.18	1.19	4.01	3.20	2.38	0.66	0.68	0.92	0.75
IN.	0.25	2.02	1.76	1.36	1.24	4.62	3.57	2.74	0.74	0.79	1.06	0.84

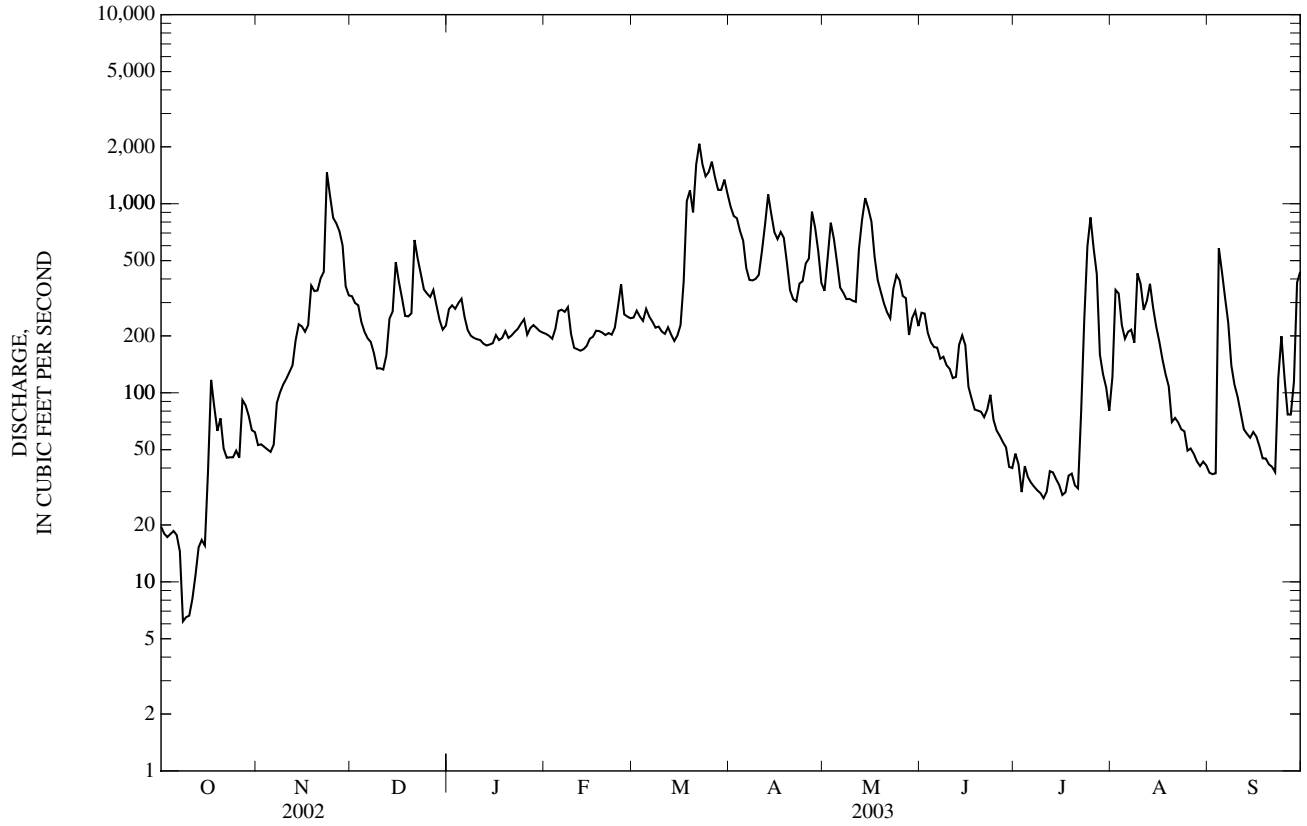
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	136	221	260	257	262	523	674	321	164	104	83.3	90.1
MAX	721	760	1,018	897	800	1,627	1,441	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)

04280000 POULTNEY RIVER BELOW FAIR HAVEN, VT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	84,857.0		105,534.4			
ANNUAL MEAN	232		289		258	
HIGHEST ANNUAL MEAN					527	1976
LOWEST ANNUAL MEAN					66.9	1965
HIGHEST DAILY MEAN	2,400	Apr 14	2,080	Mar 22	7,010	Jan 20, 1996
LOWEST DAILY MEAN	3.3	Sep 14	6.2	Oct 8	a 2.1	Aug 8, 1965
ANNUAL SEVEN-DAY MINIMUM	4.5	Sep 13	9.8	Oct 7	3.0	Aug 13, 1965
MAXIMUM PEAK FLOW			2,420	Mar 22	b 14,800	Jul 20, 1945
MAXIMUM PEAK STAGE			11.54	Mar 22	c 24.36	Jul 20, 1945
ANNUAL RUNOFF (CFSM)	1.24		1.55		1.38	
ANNUAL RUNOFF (INCHES)	16.88		20.99		18.73	
10 PERCENT EXCEEDS	556		678		612	
50 PERCENT EXCEEDS	135		208		137	
90 PERCENT EXCEEDS	7.4		38		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 and crest-stage gage. 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)
Mar 21	2300	*2,090	*6.66	No other peak greater than base discharge.			

Minimum discharge, 15 ft^3/s, Oct. 10, gage height, 2.92 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	39	303	e300	e160	e150	741	323	312	58	107	52
2	20	38	256	e320	e170	e140	655	464	282	52	242	51
3	19	36	e220	e300	e180	e160	674	502	240	47	186	51
4	19	35	e210	e290	e210	e180	608	403	213	43	151	108
5	19	35	e200	288	e230	e190	575	360	204	41	137	92
6	19	44	189	265	e200	e170	522	332	197	38	197	69
7	17	61	172	247	e170	e170	473	316	180	36	223	60
8	17	56	164	242	e150	e150	440	301	180	35	167	54
9	16	52	e160	239	e150	e150	412	301	161	34	140	49
10	16	53	e160	e220	e140	e160	437	268	149	33	146	44
11	16	57	e160	e210	e140	e180	563	254	135	48	142	41
12	20	77	155	e190	e140	e170	833	533	135	52	282	39
13	21	159	149	e190	e130	e160	1,020	683	129	42	285	36
14	20	154	246	e180	e130	e160	842	881	167	38	206	36
15	19	122	380	e180	e130	e190	786	711	151	35	165	38
16	24	108	313	e190	e120	e260	786	587	128	42	139	38
17	56	138	260	e190	e110	e350	663	508	114	50	128	36
18	54	308	e240	e200	e100	e660	565	447	103	42	113	34
19	45	244	e250	e200	e110	759	502	393	99	46	100	31
20	43	260	431	e190	e100	665	454	348	97	38	91	30
21	39	294	802	e180	e130	1,620	418	321	90	41	82	29
22	35	334	543	e180	e190	1,760	418	294	105	97	75	27
23	33	1,090	467	e180	e230	1,510	440	263	96	165	68	67
24	33	730	406	e190	e220	1,230	416	250	84	180	62	102
25	31	578	e330	e190	e190	1,200	375	241	75	180	58	64
26	42	510	e310	e170	e150	1,290	396	299	69	151	56	56
27	64	443	e330	e160	e150	1,080	516	299	64	109	54	50
28	54	368	e300	e150	e150	901	421	297	59	94	48	92
29	46	328	292	e150	---	979	377	322	55	79	45	228
30	42	311	261	e150	---	1,190	341	293	65	67	54	143
31	40	---	256	e150	---	932	---	263	---	60	49	---
TOTAL	962	7,062	8,915	6,481	4,380	18,866	16,669	12,057	4,138	2,073	3,998	1,847
MEAN	31.0	235	288	209	156	609	556	389	138	66.9	129	61.6
MAX	64	1,090	802	320	230	1,760	1,020	881	312	180	285	228
MIN	16	35	149	150	100	140	341	241	55	33	45	27
CFSM	0.19	1.41	1.72	1.25	0.94	3.64	3.33	2.33	0.83	0.40	0.77	0.37
IN.	0.21	1.57	1.99	1.44	0.98	4.20	3.71	2.69	0.92	0.46	0.89	0.41

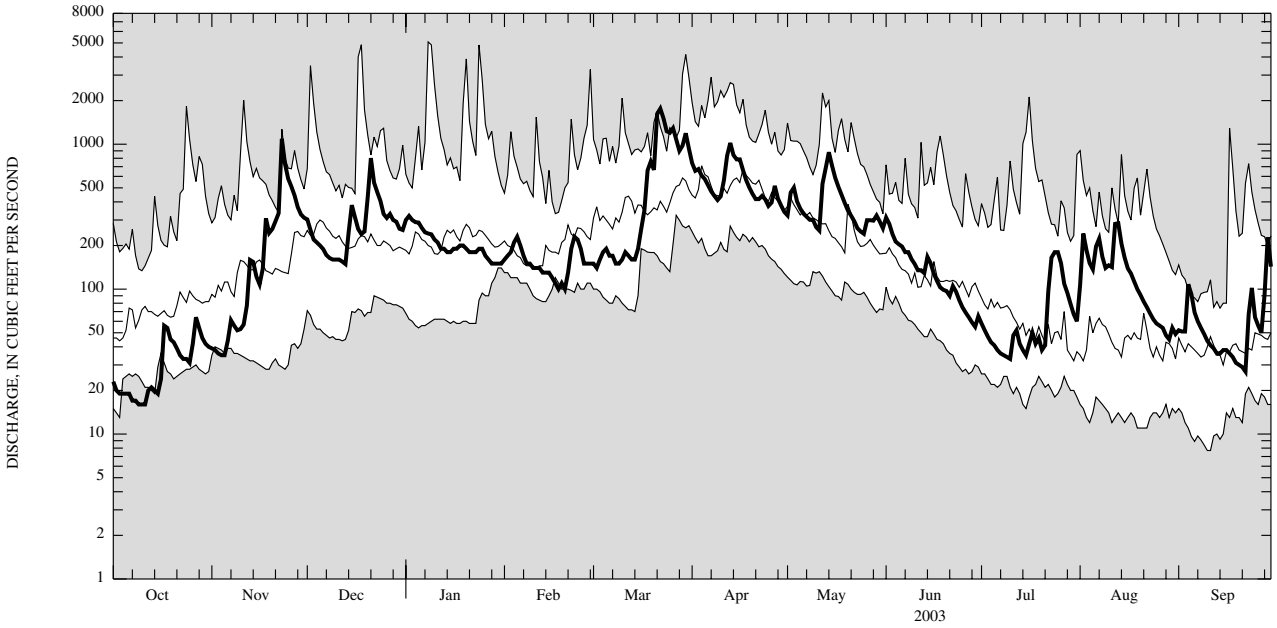
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2003, BY WATER YEAR (WY)

MEAN	100	207	309	347	261	493	633	350	170	119	95.9	58.1
MAX	308	455	735	801	461	673	1,163	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)

04280450 METTAWEE RIVER NEAR MIDDLE GRANVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1990 - 2003	
ANNUAL TOTAL	87,110.5		87,448			
ANNUAL MEAN	239		240		259	
HIGHEST ANNUAL MEAN					357	2000
LOWEST ANNUAL MEAN					155	1995
HIGHEST DAILY MEAN	1,870	Apr 15	1,760	Mar 22	5,080	Jan 8, 1998
LOWEST DAILY MEAN	7.7	Sep 10	16	Oct 9	7.7	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	8.8	Sep 8	17	Oct 5	8.8	Sep 8, 2002
ANNUAL RUNOFF (CFSM)	1.43		1.43		1.55	
ANNUAL RUNOFF (INCHES)	19.40		19.48		21.07	
10 PERCENT EXCEEDS	537		537		572	
50 PERCENT EXCEEDS	173		160		158	
90 PERCENT EXCEEDS	16		37		32	

e Estimated



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°29'02", long 73°13'32" (revised), 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.--May 1907 to current year (daily gage heights prior to October 2000, elevations thereafter).

REVISED RECORDS.--WSP 684: 1912-29 (datum correction). WSP 1207: 1938 (datum correction).

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929. 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. Prior to October 2000, datum 92.86 ft higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 101.86 ft, April 27, 1993; minimum observed, 92.61 ft, December 4, 1908.

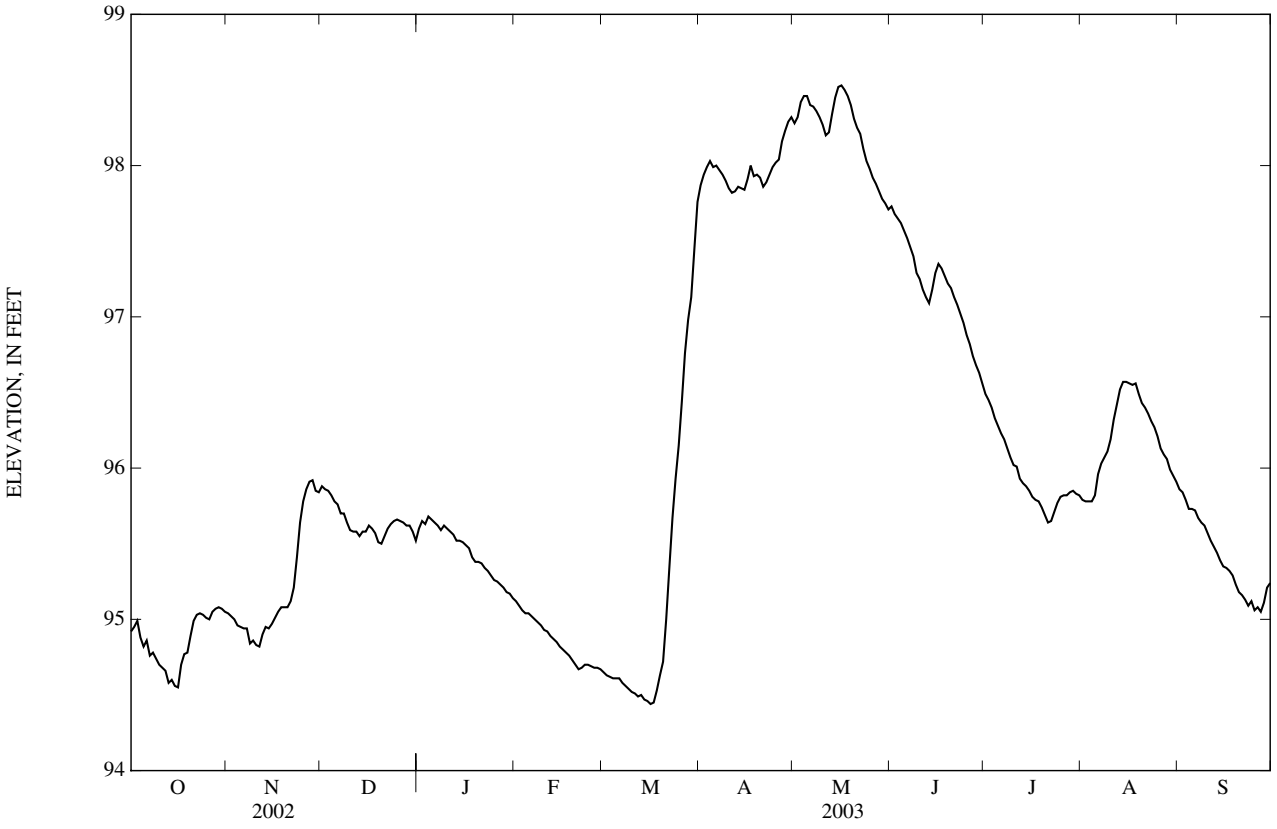
EXTREMES FOR CURRENT YEAR.--Maximum, 98.55 ft, May 15, 16; minimum, 94.41 ft, Mar. 15, 16, 17.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.92	95.04	95.88	95.60	95.12	94.65	97.87	98.28	97.73	96.49	95.79	95.86
2	94.95	95.02	95.86	95.65	95.09	94.63	97.94	98.32	97.68	96.45	95.78	95.84
3	94.99	95.00	95.85	95.63	95.06	94.62	97.99	98.42	97.65	96.40	95.78	95.79
4	94.88	94.96	95.82	95.68	95.04	94.61	98.03	98.46	97.62	96.33	95.78	95.73
5	94.82	94.95	95.78	95.66	95.04	94.61	97.99	98.46	97.57	96.28	95.82	95.73
6	94.86	94.94	95.76	95.64	95.02	94.61	98.00	98.40	97.52	96.23	95.96	95.72
7	94.76	94.94	95.70	95.62	95.00	94.58	97.97	98.39	97.46	96.19	96.03	95.67
8	94.78	94.84	95.70	95.59	94.98	94.56	97.94	98.36	97.40	96.13	96.07	95.64
9	94.74	94.86	95.64	95.62	94.96	94.54	97.90	98.32	97.29	96.07	96.11	95.62
10	94.70	94.83	95.59	95.60	94.93	94.52	97.85	98.27	97.25	96.02	96.19	95.57
11	94.68	94.82	95.58	95.58	94.92	94.51	97.82	98.20	97.18	96.01	96.32	95.52
12	94.66	94.90	95.58	95.56	94.89	94.49	97.83	98.22	97.13	95.93	96.42	95.48
13	94.58	94.95	95.55	95.52	94.87	94.50	97.86	98.34	97.09	95.90	96.52	95.44
14	94.60	94.94	95.58	95.52	94.85	94.47	97.85	98.45	97.18	95.88	96.57	95.39
15	94.56	94.97	95.58	95.51	94.82	94.46	97.84	98.52	97.29	95.85	96.57	95.35
16	94.55	95.01	95.62	95.49	94.80	94.44	97.91	98.53	97.35	95.81	96.56	95.34
17	94.70	95.05	95.60	95.47	94.78	94.45	98.00	98.50	97.32	95.79	96.55	95.32
18	94.77	95.08	95.57	95.41	94.76	94.53	97.93	98.46	97.27	95.78	96.56	95.29
19	94.78	95.08	95.51	95.38	94.73	94.63	97.94	98.40	97.22	95.74	96.49	95.23
20	94.89	95.08	95.50	95.38	94.70	94.72	97.92	98.31	97.19	95.69	96.43	95.18
21	94.99	95.12	95.55	95.37	94.67	95.00	97.86	98.25	97.13	95.64	96.40	95.16
22	95.03	95.21	95.60	95.34	94.68	95.34	97.89	98.21	97.08	95.65	96.36	95.13
23	95.04	95.41	95.63	95.32	94.70	95.67	97.94	98.11	97.02	95.71	96.31	95.09
24	95.03	95.64	95.65	95.29	94.70	95.93	97.99	98.03	96.96	95.77	96.27	95.12
25	95.01	95.78	95.66	95.26	94.69	96.15	98.02	97.98	96.88	95.81	96.21	95.06
26	95.00	95.86	95.65	95.25	94.68	96.44	98.04	97.92	96.82	95.82	96.13	95.08
27	95.05	95.91	95.64	95.23	94.68	96.76	98.16	97.88	96.74	95.82	96.09	95.05
28	95.07	95.92	95.62	95.21	94.67	96.98	98.23	97.83	96.68	95.84	96.06	95.11
29	95.08	95.85	95.62	95.18	---	97.13	98.29	97.78	96.63	95.85	95.99	95.21
30	95.07	95.84	95.58	95.17	---	97.45	98.32	97.75	96.56	95.83	95.95	95.24
31	95.05	---	95.52	95.14	---	97.76	---	97.71	---	95.82	95.91	---
MEAN	94.86	95.19	95.64	95.45	94.85	95.22	97.97	98.23	97.20	95.95	96.19	95.40
MAX	95.08	95.92	95.88	95.68	95.12	97.76	98.32	98.53	97.73	96.49	96.57	95.86
MIN	94.55	94.82	95.50	95.14	94.67	94.44	97.82	97.71	96.56	95.64	95.78	95.05

CAL YR 2002 MEAN 95.90 MAX 98.81 MIN 93.70
WTR YR 2003 MEAN 96.02 MAX 98.53 MIN 94.44

04294500 LAKE CHAMPLAIN AT BURLINGTON, VT—Continued



ST. LAWRENCE RIVER BASIN

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, 98.62 ft, May 6, affected by seiche; minimum, 94.22 ft, Oct. 16, affected by seiche.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95.10	94.98	95.83	95.45	95.08	94.63	97.85	98.29	97.54	96.51	95.84	95.92
2	94.99	94.97	95.86	95.41	95.04	94.62	97.89	98.18	97.62	96.45	95.78	95.79
3	94.88	94.97	95.75	95.59	95.03	94.58	97.91	98.32	97.61	96.43	95.77	95.89
4	95.37	95.00	95.81	95.54	95.05	94.61	97.91	98.43	97.56	96.38	95.83	95.82
5	94.97	94.91	95.82	95.65	95.01	94.57	98.02	98.43	97.52	96.31	95.83	95.70
6	94.89	94.96	95.78	95.62	95.01	94.57	97.92	98.49	97.48	96.21	95.98	95.70
7	95.05	94.83	95.89	95.62	94.97	94.58	97.90	98.32	97.43	96.16	96.04	95.65
8	94.73	95.15	95.66	95.62	94.99	94.55	97.89	98.30	97.40	96.16	96.06	95.58
9	94.81	94.92	95.79	95.55	94.95	94.51	97.85	98.21	97.44	96.03	96.06	95.53
10	94.76	95.03	95.75	95.57	94.93	94.52	97.82	98.20	97.20	95.99	96.18	95.54
11	94.72	94.94	95.60	95.55	94.87	94.51	97.81	98.19	97.22	96.17	96.33	95.51
12	94.72	94.87	95.56	95.54	94.87	94.48	97.75	98.23	97.09	96.10	96.38	95.50
13	94.83	94.90	95.58	95.57	94.83	94.45	97.79	98.26	97.08	95.97	96.47	95.47
14	94.55	95.05	95.46	95.49	94.82	94.45	97.88	98.39	97.18	95.93	96.53	95.47
15	94.63	94.88	95.55	95.49	94.79	94.43	97.84	98.47	97.25	95.90	96.61	95.46
16	94.53	94.89	95.45	95.48	94.77	94.42	97.74	98.50	97.31	95.93	96.54	95.34
17	94.69	94.88	95.53	95.40	94.74	94.42	97.85	98.46	97.34	95.83	96.48	95.28
18	94.77	95.04	95.57	95.46	94.72	94.48	98.10	98.41	97.34	95.73	96.45	95.26
19	95.01	95.21	95.61	95.43	94.71	94.60	97.92	98.35	97.23	95.72	96.49	95.36
20	94.87	95.20	95.55	95.37	94.69	94.75	97.94	98.33	97.15	95.73	96.48	95.21
21	94.95	95.26	95.59	95.32	94.66	94.98	97.96	98.15	97.11	95.75	96.44	95.13
22	95.00	95.16	95.63	95.31	94.63	95.32	97.88	98.08	97.04	95.71	96.38	95.18
23	94.99	95.30	95.66	95.28	94.66	95.66	97.88	98.06	96.99	95.67	96.22	95.25
24	94.99	95.61	95.60	95.26	94.67	95.93	97.86	97.97	96.94	95.71	96.13	95.21
25	95.00	95.75	95.54	95.27	94.67	96.17	97.94	97.94	96.90	95.83	96.17	95.33
26	95.12	95.80	95.55	95.23	94.67	96.42	97.99	97.89	96.84	95.91	96.19	95.09
27	95.02	95.82	95.64	95.19	94.65	96.73	98.09	97.84	96.75	95.90	96.05	95.24
28	95.01	95.89	95.65	95.20	94.64	96.98	98.28	97.80	96.70	95.82	95.97	95.12
29	94.98	96.18	95.56	95.17	---	97.15	98.19	97.77	96.67	95.82	96.13	95.23
30	95.00	95.96	95.59	95.14	---	97.38	98.24	97.69	96.58	95.85	95.92	95.27
31	95.03	---	95.74	95.12	---	97.67	---	97.68	---	95.83	95.94	---
MEAN	94.90	95.21	95.65	95.42	94.83	95.20	97.93	98.18	97.18	95.98	96.18	95.43
MAX	95.37	96.18	95.89	95.65	95.08	97.67	98.28	98.50	97.62	96.51	96.61	95.92
MIN	94.53	94.83	95.45	95.12	94.63	94.42	97.74	97.68	96.58	95.67	95.77	95.09

CAL YR 2002 MEAN 95.90 MAX 98.80 MIN 93.64
WTR YR 2003 MEAN 96.01 MAX 98.50 MIN 94.42

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

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, 2,590 mil ft^3, May 30 - June 3, gage height, 17.2 ft; minimum observed, 1,032 mil ft^3, Mar. 17-19, gage height, 11.1 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 2002 TO SEPTEMBER 2003

Date	Gage height (feet) *	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)
	04260990 Cranberry Lake		
Sept. 30	15.2	2,022	
Oct. 31	15.6	2,128	+ 39.6
Nov. 30	14.9	1,944	- 71.0
Dec. 31	13.7	1,632	-116
CAL YR 2002	--	--	- 0.82
Jan. 31	12.2	1,274	-134
Feb. 28	11.6	1,142	- 54.6
Mar. 31	14.4	1,814	+251
Apr. 30	16.4	2,352	+208
May 31	17.2	2,590	+ 88.9
June 30	16.4	2,352	- 91.8
July 31	16.3	2,324	- 10.5
Aug. 31	16.0	2,240	- 31.4
Sept. 30	16.0	2,240	0.0
WTR YR 2003	--	--	+ 6.91

* 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 2003 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 2003 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.	1976-2003	03-22-03	1.69	82	04-04-87	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‡, 1993-2003	04-16-03	1.68	11	01-09-98	2.37	40
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‡, 1987-2003	03-31-03	6.99	4,030	03-21-36	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.	1979-2003	03-30-03 09-28-03	3.38 c6.05	a40 -	01-19-96	6.56	149
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‡, 1997-2003	08-12-03	5.41	1,560	12-31-48	f9.4	7,470

‡ Operated as a continuous-record gaging station.
f From floodmark.
a About.
c Backwater from debris.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
Hudson River basin--Continued								
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.	1993-2003	03-29-03	< 9.19	a100	10-21-95	af11.2	a320
East Canada Creek at East Creek (01348000)	Lat 43°01'00", long 74°44'28", Herkimer County, Hydrologic Unit 02020004, on right bank 1.2 mi upstream from mouth, and 3.5 mi northwest of St. Johnsville, at East Creek. Datum of gage is 335.70 ft. Drainage area is 289 mi^2.	1946-95‡, 1996, 1998, 2000, 2003	03-30-03	5.94	6,620	10-2-45	f9.0	d24,000
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.	1975-2003	08-05-03	5.35	190	06-29-82	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, 2002-2003	06-01-03	4.04	1,150	08-13-55 09-12-60	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‡, 2002-2003	10-16-02	9.70	1,820	09-16-99	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, 1992-2003	03-17-03	8.30	3,920	09-17-99	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, 1988-2003	03-22-03	7.13	5,120	12-31-48	f19.8	29,800

f From floodmark.
‡ Operated as a continuous-record gaging station.
a About.
d Dam failure.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
Hudson River basin--Continued								
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 high-way 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, 1987-2003	03-21-03	8.21	3,360	04-04-87	f16.6	15,400
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‡, 1961-2003	03-22-03	4.35	680	06-30-73	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, 1994-2003	09-28-03	7.53	226	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, 1993-2003	09-23-03	5.48	1,340	08-19-55	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, 1987-2003	03-22-03	7.06	1,160	12-21-73 01-20-96	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.	1975-2003	03-22-03	3.49	396	09-16-99	6.01	2,000
Saw Mill River at Yonkers, NY (01376500)	Lat 40°56'11", long 73°53'12", Westchester County, Hydrologic Unit 02030101, on right bank just upstream from Old Croton aqueduct, near intersection of Nepperhan Avenue and Center Street, 1.2 mi upstream from mouth, at Yonkers. Datum of gage is 90 ft, from topographic map. Drainage area is 25.6 mi^2.	1945-89‡, 1990, 1993-95‡, 1999, 2003	07-23-03	5.89	858	07-07-84	7.84	1,450

‡ 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 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (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.	1976-2003	05-13-03	9.03	256	03-13-77	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, 1987-2003	03-21-03 03-29-03	b16.42 15.67	- 3,750	12-29-84	f19.15	13,600
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, 1987-2003	03-30-03	9.73	7,150	06-03-47	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, 1993-2003	03-29-03	a9.9	a68	03-05-79 01-24-99	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‡, 1969-2003	03-29-03	5.62	5,970	03-06-79 12-29-84	b11.10 f10.63	- 17,200
St. Lawrence River basin								
Grass River at Pyrites, NY (04265000)	Lat 44°31'28", long 75°11'48", St. Lawrence County, Hydrologic Unit 04150304, on left bank, 0.5 mi upstream from Harrison Creek, and 1,000 ft downstream from lower bridge in Pyrites. Datum of gage is 350.61 ft. Drainage area is 333 mi^2.	1925-77‡, 1985, 2003	03-26-03	9.61	4,460	11-18-27 02-25-85	13.00 bf15.56	a8,300 -
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‡, 1969-2003	03-22-03 03-26-03	b7.34 6.80	- 570	04-06-74 01-24-99	9.07 b9.28	a1,270 a750

f From floodmark.
‡ Operated as a continuous-record gaging station.
b Ice jam.
d Dam failure.
a About.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
St. Lawrence River basin--Continued								
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‡, 1964-2003	03-22-03 03-30-03	b5.97 5.25	- 633	03-30-63 03-11-92	6.94 b7.86	1,920 -
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 topographic map. Drainage area is 1.80 mi^2.	1995-2003	03-30-03	18.88	18	06-27-98	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‡, 1967-2003	03-30-03	6.06	2,850	03-10-92 07-05-96	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‡, 1983-2003	03-21-03	6.76	2,370	09-22-38	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‡, 1996-2003	03-21-03 03-29-03	b10.88 5.47	- 3,170	11-09-96	15.22	23,900

‡ Operated as a continuous-record gaging station.
b Ice jam.
a About.

Discharge measurements made at miscellaneous sites during water year 2003

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurement Date	Measurement Discharge (ft^3/s)
		Hudson River basin				
01319500 Sacandaga River	Hudson River	Lat 43°23'20", long 74°17'20", Hamilton County, Hydrologic Unit 02020002, on downstream side of highway bridge in southern part of Wells about 2.5 mi upstream from West Branch.	260		03-10-03	282
01349873 Batavia Kill	Schoharie Creek	Lat 42°18'27", long 74°14'34", Greene County, Hydrologic Unit 02020005, on right bank .8 mi downstream from bridge on State Highway 296.	28.8		08-29-02 10-23-02 05-15-03 08-06-03 09-23-03	2.80 45.5 57.1 20.6 426
0135003033 Bear Kill	Schoharie Creek	Lat 42°21'02", long 74°27'59", Delaware County, Hydrologic Unit 02020005, on State Highway 23, 1.3 mi upstream from mouth.	20.2		08-29-02 10-23-02 05-23-03 08-06-03	1.70 27.7 20.1 11.2
01359135 Patroon Creek	Hudson River	Lat 42°39'48", long 73°44'44", Albany County, Hydrologic Unit 02020006, 300 ft upstream from Pearl Street in Albany, 0.5 mi northwest of southern tip of lower Patroon Island, 300 ft west of intersection of Pearl and Tivoli Streets, and 0.6 mi north of right end of railroad bridge.	13.4	1973, 1993-1994	08-14-95 07-30-03	9.69 14.9
0136223076 Broadstreet Hollow Brook	Esopus Creek	Lat 42°08'14", long 74°20'06", Greene County, Hydrologic Unit 02020006, on town road 2.26 mi north of State Highway 28 and 2.30 mi from mouth.	4.00		08-27-02 10-23-02 03-21-03 05-13-03 08-07-03 08-11-03 09-11-03	0.31 6.56 106 11.7 11.1 160 7.04
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	1938-1949‡‡, 1950-1981‡, 1984‡‡, 1989-1993‡‡, 1994, 2002	10-23-02 12-17-02 05-14-03 05-15-03 06-11-03 08-06-03 09-30-03	123 605 109 109 516 484 808
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	1938-1977‡, 1981, 2002	10-23-02 12-17-02 05-15-03 06-11-03 08-06-03 09-29-03	114 428 89.1 406 305 436
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, 1938-1959‡, 1989-1993‡‡, 1994, 2002	10-24-02 12-18-02 05-14-03 06-12-03 08-06-03 09-30-03	308 1,250 350 1,120 1,270 1,630
0137449450 Putnam Lake	East Branch Croton River	Lat 41°27'27", long 73°32'35", Putnam County, Hydrologic Unit 02030101, at culvert on south side of Fairfield Drive (County Route 66), at dam, between Putnam Lake and Lost Lake.	2.63	2000-2001	06-23-03	11.2
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	2000-2002	06-23-03 09-10-03	8.89 0.80

‡‡ Operated as a crest-stage partial-record station.
‡ Operated as a continuous-record gaging station.

Discharge measurements made at miscellaneous sites during water year 2003--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurement Date	Measurement Discharge (ft^3/s)
		Hudson River basin--Continued				
01374513 Tonetta Brook Tributary	Tonetta Brook	Lat 41°24'40", long 73°36'45", Putnam County, Hydrologic Unit 02030101, at culvert on Tonetta Lake Road at Pumphouse Road, near Scott Place in Brewster.	0.27		05-20-03 07-14-03 08-11-03	0.23 0.03 0.49
0137452005 Tonetta Brook	East Branch Croton River	Lat 41°23'29", long 73°37'04", Putnam County, Hydrologic Unit 02030101, at mouth, at bridge on Railroad Avenue, in Brewster.	3.2	2000	07-14-03	1.44
01374671 Michael Brook	Croton Falls Reservoir	Lat 41°24'59", long 73°40'13", Putnam County, Hydrologic Unit 02030101, at bridge on Maple Road, about 1.0 mi upstream from mouth, and about 1.0 mi southeast of Carmel.	2.33		05-21-03 07-15-03 08-12-03	1.50 0.56 2.27
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	2000-2002	05-21-03 07-15-03 08-12-03	3.10 1.57 3.63
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	2002	09-11-03	0.26
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	2001-2002	07-07-03 09-11-03	2.67 1.72
01374916 Stone Hill River	Muscoot Reservoir	Lat 41°14'45", long 73°40'08", Westchester County, Hydrologic Unit 02030101, at bridge on Beaver Dam Road, 0.2 mi upstream from confluence with Broad Brook, and about 1.5 mi northeast of Bedford Hills.	13.3	2000-2001	07-07-03 09-11-03	8.40 4.69
01374917 Broad Brook	Stone Hill River	Lat 41°14'54", long 73°40'12", Westchester County, Hydrologic Unit 02030101, 150 ft upstream from mouth, 0.2 mi north of Beaver Dam Road, and 1.1 mi southeast of Katonah.	5.3	1976, 2000-2001	09-11-03	2.20
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	2000-2002	04-16-03	3.53
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, 1993-1994, 2002	05-20-03 07-14-03 08-11-03	5.60 3.30 13.3
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, 2002	05-20-03 06-24-03 07-14-03 08-11-03 09-10-03	7.21 28.6 4.80 15.2 3.24

Discharge measurements made at miscellaneous sites during water year 2003--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurement Date	Measurement Discharge (ft^3/s)
		Hudson River basin--Continued				
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	2000-2002	03-11-03 04-16-03 05-13-03 05-21-03 05-26-03 05-27-03 05-28-03 06-04-03 06-05-03 06-12-03 06-13-03 06-16-03 06-23-03 07-08-03 07-23-03 08-04-03 08-06-03 09-03-03 09-10-03	6.10 6.98 3.55 1.53 40.7 9.10 5.30 22.8 17.7 8.10 27.3 6.98 7.40 1.40 5.50 8.30 4.70 5.20 1.20
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	2001-2002	06-16-03 09-10-03	17.2 3.35
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	2001-2002	04-16-03 05-13-03 06-05-03 06-13-03 06-16-03 06-23-03 07-08-03 07-23-03 08-04-03 09-03-03 09-10-03 09-19-03 09-19-03	4.46 2.55 15.5 42.9 4.32 5.13 1.10 6.70 16.7 4.70 0.53 26.0 21.7
01374992 Hunter Brook	New Croton Reservoir	Lat 41°17'29", long 73°49'56", Westchester County, Hydrologic Unit 02030101, at culvert on Stoney Street, 200 ft north of U.S. Highway 202-State Highway 35 (Crumpond Road), 0.5 mi upstream from Mill Pond, and 1.3 mi southwest of Yorktown.	2.49	1976, 2000-2001	06-23-03	7.90
		Delaware River basin				
01421640 West Branch Delaware River	Delaware River	Lat 42°20'37", long 74°43'12", Delaware County, Hydrologic Unit 02040101, at stone bridge on Bovina Center-South Kortright Road in South Kortright.	44.1	1973	06-05-03 07-24-03 08-27-03	94.2 46.2 30.9
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	1992-2002	11-21-02	50.2

Discharge measurements made at miscellaneous sites during water year 2003--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurement Date	Measurement Discharge (ft^3/s)
		Delaware River basin--Continued				
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	1941-1973‡, 1975-1976, 1979-2002	10-03-02 10-17-02 12-04-02 03-23-03 06-03-03 07-21-03 07-29-03 07-30-03 08-27-03 09-02-03	57.2 646 86.2 971 230 21.2 44.1 34.8 9.83 1,490
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‡‡, 1941-1982‡, 1983-1999‡‡, 2000-2002	05-15-03 06-04-03 07-31-03 08-28-03	157 250 35.1 41.2
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	1946-1973‡, 1978-2002	05-14-03 07-31-03	26.0 10.8
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	1902-1903, 1943-1945, 1960-1962, 1964-2002	7-25-03	242
		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	1909-2002	11-13-02 01-15-03 05-07-03 06-30-03 08-26-03	396 641 87.7 323 299

‡ Operated as a continuous-record gaging station.
‡‡ Operated as a crest-stage partial-record station.

ALBANY COUNTY -- A 654

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 (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 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.85 ft below land-surface datum, June 9, 2003; lowest water level, 12.13 ft below land-surface datum, Oct. 8, 9, 10, 11, 2002.

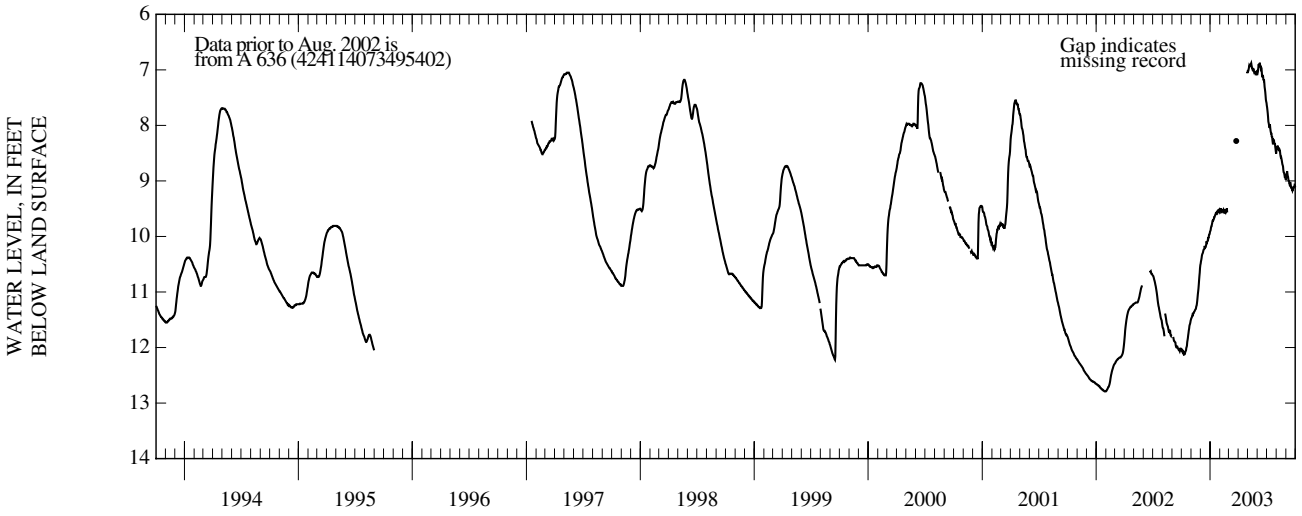
EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 6.85 ft below land-surface datum, June 9; lowest water level, 12.13 ft below land-surface datum, Oct. 8, 9, 10, 11.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.05	11.47	10.49	9.90	9.50	---	---	7.02	7.07	7.64	8.44	8.94
2	12.06	11.46	10.45	9.89	9.51	---	---	7.01	7.05	7.68	8.37	8.89
3	12.07	11.45	10.42	9.84	9.53	---	---	7.01	7.01	7.73	8.39	8.87
4	12.05	11.42	10.39	9.82	9.50	---	---	6.98	6.95	7.78	8.38	8.82
5	12.06	11.42	10.34	9.82	9.56	---	---	6.95	6.90	7.85	8.40	8.87
6	12.09	11.38	10.32	9.78	9.56	---	---	6.92	6.93	7.93	8.39	8.90
7	12.08	11.39	10.31	9.76	9.52	---	---	6.93	6.89	7.96	8.41	8.92
8	12.12	11.38	10.30	9.72	9.53	---	---	6.93	6.88	7.99	8.42	8.97
9	12.11	11.38	10.27	9.71	9.54	---	---	6.92	6.89	8.01	8.45	9.00
10	12.12	11.36	10.25	9.71	9.51	---	---	6.91	6.95	8.05	8.45	9.00
11	12.12	11.35	10.23	9.70	9.53	---	---	6.89	6.92	7.98	8.44	9.04
12	12.10	11.34	10.23	9.69	9.52	---	---	6.88	6.97	8.05	8.45	9.06
13	12.07	11.33	10.22	9.66	9.55	---	---	6.92	6.96	8.10	8.51	9.05
14	12.06	11.32	10.17	9.66	9.55	---	---	6.94	6.97	8.12	8.55	9.02
15	12.05	11.31	10.20	9.64	9.57	---	---	6.97	7.04	8.15	8.58	9.04
16	12.01	11.29	10.19	9.62	9.57	---	---	6.99	7.12	8.15	8.57	9.08
17	11.99	11.26	10.19	9.61	9.53	---	---	6.98	7.12	8.21	8.60	9.12
18	11.97	11.25	10.17	9.60	9.53	---	---	6.98	7.09	8.20	8.63	9.13
19	11.90	11.21	10.13	9.57	9.54	---	---	7.00	7.12	8.26	8.67	9.11
20	11.87	11.16	10.09	9.57	9.56	---	---	7.00	7.18	8.31	8.70	9.15
21	11.83	11.10	10.11	9.58	9.55	---	---	7.03	7.19	8.30	8.72	9.17
22	11.78	11.04	10.09	9.57	9.52	---	---	7.05	7.17	8.28	8.74	9.15
23	11.74	10.99	10.08	9.56	9.49	---	---	7.05	7.24	8.26	8.80	9.11
24	11.69	10.94	10.06	9.57	9.57	---	---	7.03	7.31	8.27	8.84	9.13
25	11.66	10.86	10.01	9.55	---	m 8.28	---	7.06	7.35	8.33	8.85	9.12
26	11.61	10.79	10.03	9.54	---	---	---	7.08	7.40	8.35	8.87	9.12
27	11.59	10.71	10.00	9.56	---	---	---	7.08	7.47	8.32	8.90	9.11
28	11.57	10.65	9.97	9.53	---	---	---	7.03	7.54	8.38	8.94	9.08
29	11.55	10.57	9.96	9.53	---	---	7.04	7.03	7.57	8.43	8.93	9.08
30	11.51	10.51	9.95	9.55	---	---	7.06	7.07	7.59	8.48	8.96	9.11
31	11.49	---	9.91	9.53	---	---	---	7.09	---	8.51	8.98	---
MEAN	11.90	11.17	10.18	9.66	---	---	---	6.99	7.13	8.13	8.62	9.04
MAX	12.12	11.47	10.49	9.90	---	---	---	7.09	7.59	8.51	8.98	9.17
MIN	11.49	10.51	9.91	9.53	---	---	---	6.88	6.88	7.64	8.37	8.82

m Instantaneous measurement

ALBANY COUNTY -- A 654—Continued



CLINTON COUNTY -- Cl 145

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.

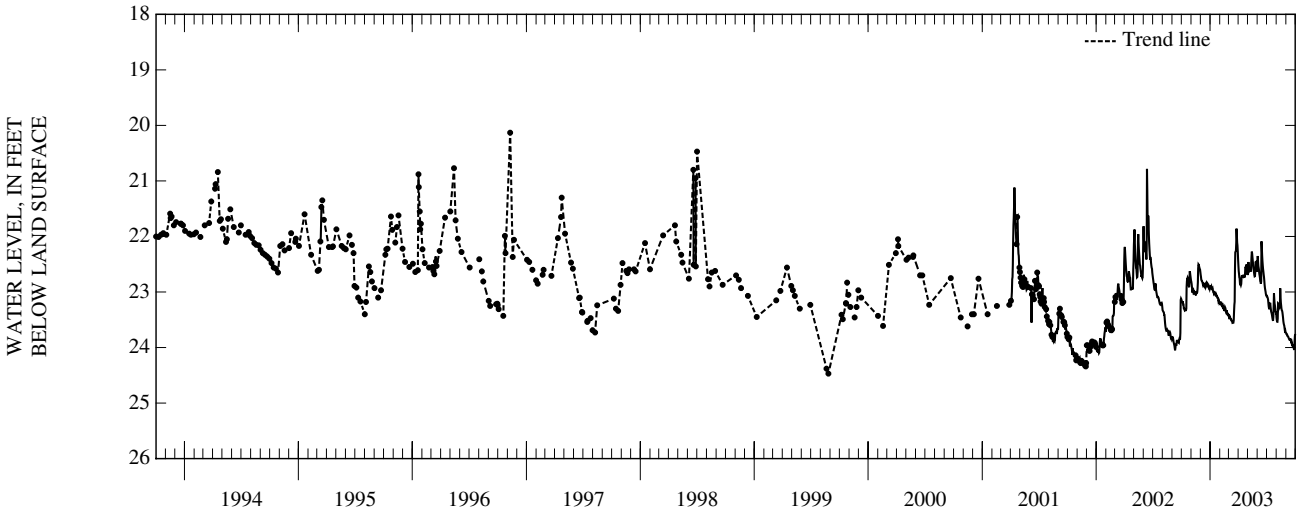
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.13 ft below land-surface datum, Nov. 9, 1996; lowest, 24.47 ft below land-surface datum, Aug. 26, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 21.84 ft below land-surface datum, Mar. 26; lowest, 24.05 ft below land-surface datum, Sept. 27, 28.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.15	22.81	22.69	22.91	23.19	23.43	22.53	22.68	22.45	23.08	23.46	23.74
2	23.17	22.85	22.72	22.92	23.20	23.41	22.62	22.56	22.35	23.08	23.51	23.76
3	23.20	22.91	22.78	22.92	23.22	23.45	22.68	22.46	22.46	23.09	23.53	23.76
4	23.17	22.98	22.79	22.90	23.18	23.44	22.74	22.53	22.53	23.11	23.54	23.76
5	23.19	23.01	22.80	22.94	23.23	23.44	22.76	22.56	22.57	23.14	23.48	23.79
6	23.22	22.96	22.82	22.95	23.24	23.48	22.85	22.59	22.61	23.20	23.20	23.80
7	23.23	22.99	22.83	22.94	23.22	23.49	22.86	22.56	22.67	23.26	23.21	23.80
8	23.29	22.97	22.86	22.93	23.24	23.49	22.86	22.61	22.71	23.29	23.25	23.81
9	23.29	23.00	22.88	22.96	23.26	23.49	22.88	22.59	22.74	23.31	23.30	23.83
10	23.31	22.98	22.87	22.99	23.25	23.52	22.86	22.61	22.81	23.28	23.28	23.84
11	23.33	23.01	22.89	23.00	23.28	23.52	22.75	22.63	22.82	23.21	23.28	23.86
12	23.32	23.04	22.90	23.02	23.28	23.53	22.70	22.49	22.85	23.19	23.24	23.86
13	23.30	23.02	22.90	22.99	23.30	23.56	22.72	22.36	22.81	23.27	22.93	23.86
14	23.33	23.02	22.87	23.02	23.30	23.55	22.71	22.27	22.09	23.31	23.11	23.85
15	23.33	23.05	22.86	23.01	23.31	23.55	22.72	22.30	22.19	23.36	23.19	23.85
16	23.30	23.06	22.88	23.03	23.30	23.55	22.72	22.37	22.34	23.37	23.24	23.87
17	22.91	22.99	22.91	23.04	23.27	23.51	22.70	22.44	22.44	23.40	23.30	23.90
18	22.80	23.00	22.90	23.05	23.29	23.35	22.71	22.51	22.52	23.43	23.33	23.92
19	22.76	23.02	22.89	23.03	23.31	23.23	22.73	22.57	22.59	23.47	23.34	23.90
20	22.75	23.00	22.87	23.05	23.35	23.18	22.72	22.61	22.63	23.50	23.36	23.93
21	22.77	22.94	22.83	23.09	23.37	22.58	22.74	22.65	22.69	23.52	23.41	23.97
22	22.80	22.83	22.84	23.07	23.37	22.29	22.71	22.69	22.73	23.44	23.46	23.97
23	22.85	22.57	22.85	23.08	23.33	22.27	22.58	22.72	22.80	23.25	23.52	23.95
24	22.89	22.50	22.87	23.11	23.40	22.26	22.54	22.72	22.87	23.03	23.56	23.98
25	22.91	22.51	22.85	23.11	23.41	22.12	22.56	22.65	22.93	23.13	23.59	24.00
26	22.81	22.54	22.89	23.12	23.40	21.86	22.55	22.46	22.96	23.21	23.61	24.03
27	22.63	22.56	22.91	23.16	23.39	21.98	22.50	22.46	23.00	23.24	23.66	24.03
28	22.65	22.59	22.89	23.15	23.41	22.11	22.56	22.49	23.04	23.30	23.70	23.89
29	22.70	22.59	22.93	23.18	---	22.16	22.64	22.53	23.06	23.35	23.69	23.80
30	22.74	22.64	22.95	23.20	---	22.28	22.69	22.59	23.06	23.37	23.72	23.76
31	22.79	---	22.92	23.19	---	22.42	---	22.64	---	23.36	23.73	---
MEAN	23.03	22.86	22.86	23.03	23.30	23.02	22.70	22.55	22.68	23.28	23.41	23.87
MAX	23.33	23.06	22.95	23.20	23.41	23.56	22.88	22.72	23.06	23.52	23.73	24.03
MIN	22.63	22.50	22.69	22.90	23.18	21.86	22.50	22.27	22.09	23.03	22.93	23.74

CLINTON COUNTY -- Cl 145—Continued



DELAWARE COUNTY -- D 503

421947074483801. Local number, D 503.

LOCATION.--Lat 42°19'47", long 74°48'38", Hydrologic Unit 02040101, at Bloomville.
Owner: Town of Bloomville Highway Department.

AQUIFER.--Water-table aquifer in sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 35.6 ft, cased to 35.6 ft, 2-in. well point (screen, 15.4 ft to 30.4 ft).

INSTRUMENTATION.--Water-stage recorder--hourly.

DATUM.--Elevation of land-surface datum is 1,440 ft above NGVD of 1929, from topographic map. Measuring points: Top of casing, 3.00 ft above land-surface datum; top of shelter shelf, 3.40 ft above land-surface datum.

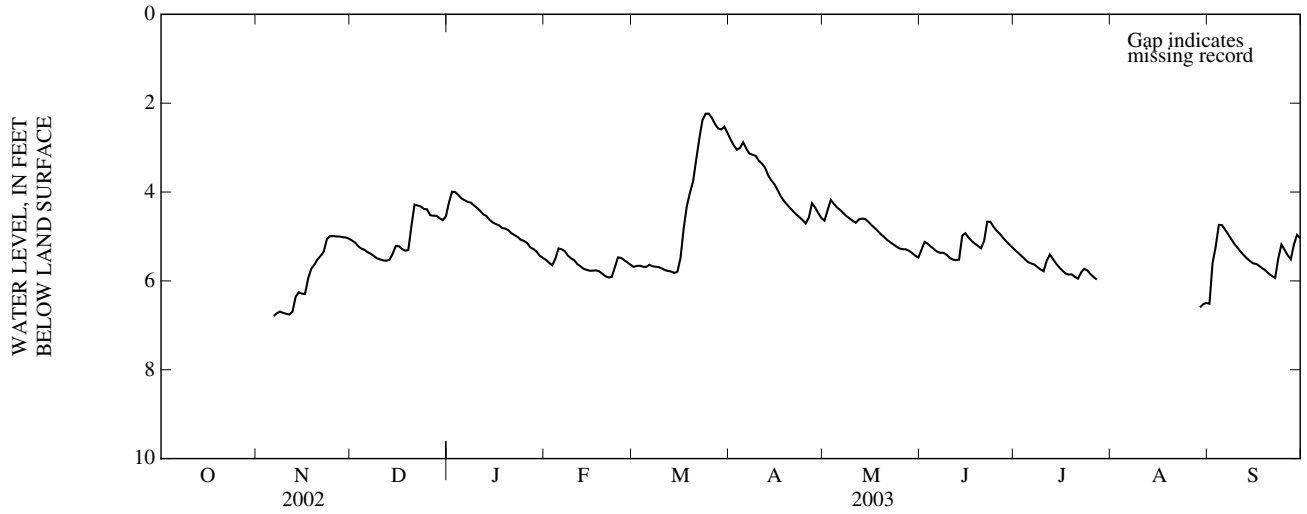
PERIOD OF RECORD.--November 2002 to September 2003.

EXTREMES FOR CURRENT PERIOD (November to September).--Highest water level recorded, 2.21 ft below land-surface datum, Mar. 24, 25; lowest recorded, 6.88 ft below land-surface datum, Nov. 5.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	5.09	4.23	5.53	5.68	2.82	4.65	5.30	5.31	---	6.51
2	---	---	5.14	3.99	5.59	5.66	2.95	4.40	5.12	5.38	---	5.60
3	---	---	5.22	4.00	5.65	5.66	3.05	4.18	5.17	5.44	---	5.23
4	---	---	5.27	4.07	5.50	5.68	3.01	4.27	5.23	5.51	---	4.74
5	---	---	5.30	4.14	5.27	5.69	2.88	4.35	5.29	5.57	---	4.74
6	---	6.79	5.35	4.18	5.29	5.64	3.02	4.40	5.34	5.60	---	4.85
7	---	6.73	5.39	4.22	5.33	5.67	3.13	4.47	5.37	5.63	---	4.95
8	---	6.69	5.44	4.24	5.43	5.68	3.16	4.54	5.37	5.69	---	5.06
9	---	6.72	5.49	4.30	5.49	5.69	3.19	4.59	5.41	5.74	---	5.17
10	---	6.74	5.52	4.36	5.53	5.72	3.29	4.65	5.48	5.78	---	5.26
11	---	6.76	5.54	4.43	5.62	5.76	3.36	4.69	5.52	5.55	---	5.35
12	---	6.69	5.55	4.51	5.67	5.78	3.45	4.62	5.53	5.41	---	5.42
13	---	6.36	5.53	4.54	5.73	5.79	3.63	4.60	5.52	5.51	---	5.50
14	---	6.26	5.39	4.63	5.75	5.82	3.74	4.61	4.98	5.61	---	5.56
15	---	6.29	5.21	4.68	5.77	5.79	3.82	4.67	4.93	5.69	---	5.61
16	---	6.29	5.22	4.72	5.77	5.48	3.95	4.74	5.02	5.77	---	5.62
17	---	5.95	5.28	4.75	5.76	4.82	4.09	4.81	5.10	5.83	---	5.67
18	---	5.73	5.32	4.81	5.78	4.32	4.20	4.88	5.16	5.86	---	5.72
19	---	5.63	5.31	4.82	5.84	4.02	4.28	4.95	5.21	5.85	---	5.77
20	---	5.51	4.77	4.86	5.90	3.76	4.36	5.01	5.27	5.91	---	5.84
21	---	5.44	4.28	4.93	5.92	3.27	4.43	5.08	5.10	5.95	---	5.89
22	---	5.34	4.30	4.97	5.91	2.79	4.51	5.13	4.67	5.81	---	5.93
23	---	5.06	4.32	5.01	5.70	2.38	4.56	5.18	4.67	5.73	---	5.50
24	---	4.99	4.38	5.08	5.47	2.24	4.63	5.23	4.78	5.77	---	5.18
25	---	4.99	4.39	5.10	5.48	2.24	4.71	5.27	4.87	5.85	---	5.30
26	---	5.00	4.52	5.15	5.54	2.33	4.57	5.29	4.94	5.91	---	5.42
27	---	5.00	4.53	5.25	5.58	2.47	4.25	5.29	5.02	5.97	---	5.51
28	---	5.02	4.53	5.28	5.64	2.57	4.35	5.32	5.11	---	---	5.18
29	---	5.02	4.59	5.34	---	2.59	4.47	5.37	5.18	---	6.60	4.96
30	---	5.05	4.63	5.43	---	2.53	4.58	5.43	5.25	---	6.52	5.04
31	---	---	4.55	5.48	---	2.67	---	5.48	---	---	6.50	---
MEAN	---	---	5.01	4.69	5.62	4.39	3.81	4.84	5.16	---	---	5.40
MAX	---	---	5.55	5.48	5.92	5.82	4.71	5.48	5.53	---	---	6.51
MIN	---	---	4.28	3.99	5.27	2.24	2.82	4.18	4.67	---	---	4.74

DELAWARE COUNTY -- D 503—Continued



DUTCHESS COUNTY -- Du 1009

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.

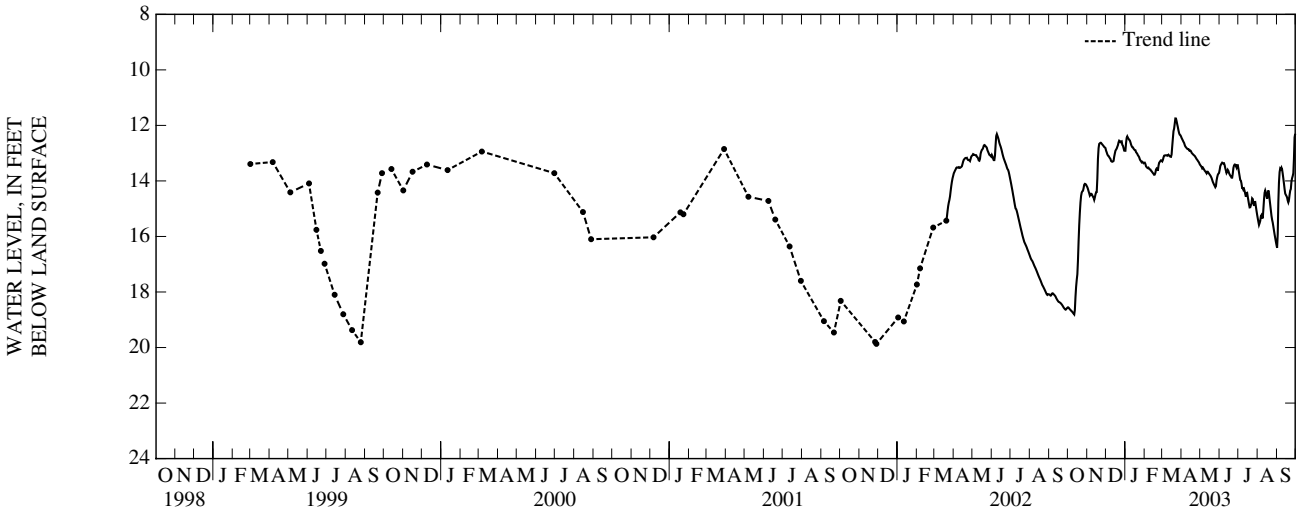
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.48 ft below land-surface datum, Feb. 3, 1988; lowest, 20.60 ft below land-surface datum, Nov. 24, 1965.

EXTREMES FOR CURRENT YEAR.--Highest water level, 11.72 ft below land-surface datum, Mar. 22; lowest, 18.82 ft below land-surface datum, Oct. 11, 12.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.55	14.23	12.91	12.91	13.34	13.30	12.45	13.43	13.60	13.56	15.35	16.41
2	18.57	14.29	12.97	12.64	13.39	13.25	12.50	13.46	13.47	13.70	15.47	15.92
3	18.59	14.37	13.04	12.45	13.47	13.15	12.54	13.50	13.41	13.84	15.59	14.76
4	18.63	14.45	13.09	12.40	13.50	13.09	12.59	13.55	13.37	13.97	15.52	14.06
5	18.64	14.53	13.10	12.45	13.53	13.08	12.63	13.52	13.34	13.99	15.44	13.68
6	18.68	14.50	13.14	12.48	13.54	13.08	12.70	13.55	13.36	14.10	15.27	13.55
7	18.69	14.46	13.18	12.52	13.52	13.07	12.76	13.59	13.38	14.26	15.23	13.58
8	18.72	14.47	13.21	12.54	13.56	13.08	12.79	13.63	13.37	14.26	15.30	13.52
9	18.75	14.52	13.28	12.61	13.58	13.09	12.81	13.66	13.44	14.32	15.35	13.58
10	18.78	14.57	13.30	12.69	13.59	13.07	12.84	13.69	13.54	14.29	15.03	13.74
11	18.81	14.61	13.31	12.74	13.63	13.06	12.85	13.73	13.63	14.37	14.68	13.91
12	18.65	14.68	13.30	12.79	13.65	13.09	12.85	13.67	13.72	14.47	14.42	14.10
13	18.17	14.60	13.28	12.79	13.69	13.11	12.90	13.67	13.68	14.57	14.34	14.29
14	17.82	14.49	13.13	12.84	13.72	13.13	12.92	13.70	13.60	14.44	14.42	14.46
15	17.56	14.41	13.02	12.87	13.75	13.13	12.91	13.74	13.64	14.43	14.54	14.50
16	17.36	14.40	12.91	12.89	13.78	13.05	12.93	13.77	13.72	14.57	14.64	14.54
17	16.86	13.92	12.87	12.90	13.77	12.75	12.98	13.80	13.77	14.71	14.47	14.60
18	16.16	13.21	12.84	12.96	13.71	12.48	13.01	13.84	13.81	14.84	14.34	14.71
19	15.59	12.82	12.77	12.99	13.59	12.21	13.04	13.89	13.84	14.95	14.46	14.77
20	15.13	12.67	12.71	13.03	13.55	12.12	13.06	13.96	13.88	14.95	14.66	14.69
21	14.77	12.64	12.61	13.07	13.58	11.94	13.08	14.03	13.88	14.88	14.86	14.50
22	14.54	12.63	12.55	13.11	13.63	11.75	13.10	14.08	13.74	14.80	15.06	14.35
23	14.42	12.63	12.57	13.15	13.46	11.75	13.13	14.13	13.53	14.63	15.25	14.29
24	14.37	12.66	12.60	13.22	13.35	11.85	13.17	14.18	13.45	14.66	15.40	14.03
25	14.35	12.69	12.59	13.26	13.31	11.96	13.21	14.22	13.41	14.78	15.50	13.90
26	14.26	12.72	12.58	13.29	13.28	12.07	13.24	14.18	13.41	14.90	15.64	13.83
27	14.14	12.74	12.70	13.33	13.26	12.18	13.27	13.99	13.45	14.76	15.79	13.72
28	14.11	12.78	12.73	13.31	13.27	12.28	13.31	13.87	13.51	14.76	15.93	13.21
29	14.11	12.79	12.81	13.33	---	12.34	13.34	13.78	13.43	14.92	16.06	12.43
30	14.14	12.82	12.91	13.36	---	12.35	13.40	13.74	13.43	15.07	16.18	12.30
31	14.18	---	12.91	13.35	---	12.39	---	13.71	---	15.21	16.30	---
MEAN	16.65	13.71	12.93	12.91	13.54	12.65	12.94	13.78	13.56	14.51	15.18	14.13
MAX	18.81	14.68	13.31	13.36	13.78	13.30	13.40	14.22	13.88	15.21	16.30	16.41
MIN	14.11	12.63	12.55	12.40	13.26	11.75	12.45	13.43	13.34	13.56	14.34	12.30

DUTCHESS COUNTY -- Du 1009—Continued



ESSEX COUNTY -- Ex 150

435253073440701. Local number, Ex 150.

LOCATION.--Lat 43°52'53", long 73°44'07", Hydrologic Unit 02020001, at Severance.
Owner: U.S. Geological Survey.

AQUIFER.--Water-table aquifer in sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 26.7 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 860 ft above NGVD of 1929, from topographic map. Measuring points: Top of casing, 3.12 ft above land-surface datum; top of shelter shelf, 3.14 ft above land-surface datum.

PERIOD OF RECORD.--July 2002 to current year.

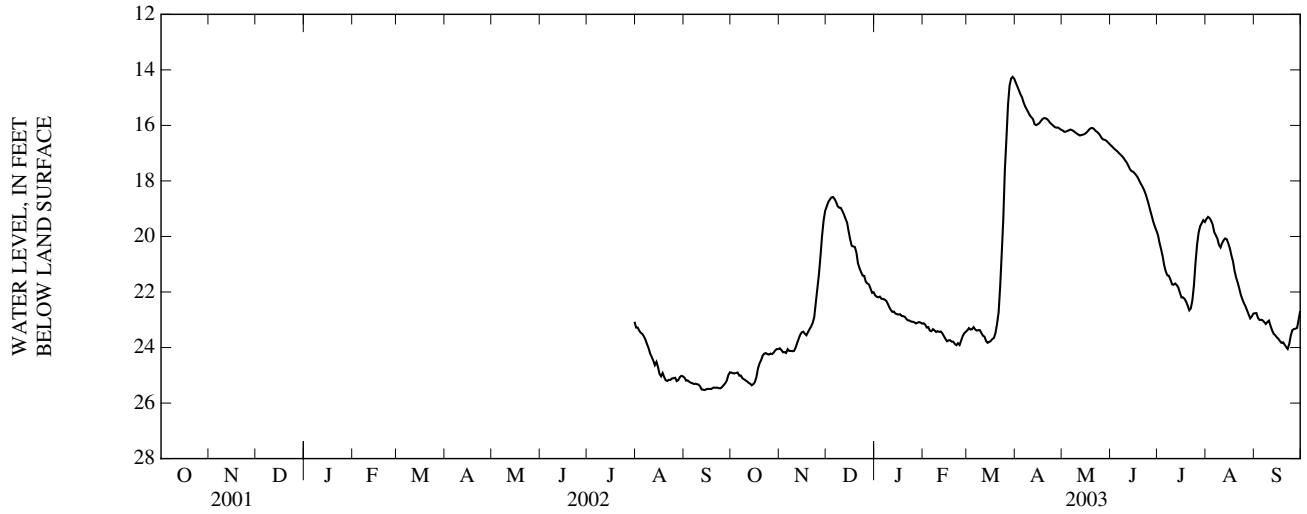
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.23 ft below land-surface datum, Mar. 30, 2003; lowest, 25.56 ft below land-surface datum, Sept. 14, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level, 14.23 ft below land-surface datum, Mar. 30; lowest, 25.38 ft below land-surface datum, Oct. 14.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.90	24.03	18.92	22.12	23.13	23.38	14.46	16.18	16.73	19.95	19.37	22.76
2	24.93	24.09	18.76	22.17	23.17	23.30	14.60	16.23	16.78	20.24	19.30	22.76
3	24.93	24.17	18.67	22.19	23.28	23.35	14.74	16.22	16.84	20.46	19.34	22.94
4	24.91	24.17	18.59	22.17	23.27	23.34	14.88	16.20	16.89	20.72	19.43	23.01
5	24.90	24.20	18.58	22.24	23.39	23.27	14.99	16.17	16.93	21.05	19.58	23.00
6	25.01	24.06	18.65	22.25	23.41	23.35	15.18	16.15	17.00	21.26	19.85	23.02
7	25.01	24.12	18.76	22.27	23.34	23.39	15.32	16.17	17.05	21.40	19.96	23.08
8	25.10	24.12	18.91	22.31	23.38	23.37	15.42	16.21	17.11	21.42	20.07	23.15
9	25.14	24.13	18.96	22.41	23.44	23.37	15.53	16.25	17.18	21.56	20.30	23.08
10	25.18	24.13	18.97	22.54	23.41	23.48	15.64	16.30	17.26	21.73	20.39	23.03
11	25.22	24.02	19.08	22.65	23.43	23.57	15.71	16.33	17.34	21.74	20.25	23.22
12	25.27	23.85	19.20	22.72	23.42	23.61	15.78	16.36	17.45	21.70	20.14	23.38
13	25.30	23.69	19.36	22.71	23.49	23.77	15.95	16.35	17.57	21.75	20.07	23.50
14	25.36	23.54	19.49	22.78	23.59	23.83	15.99	16.33	17.65	21.84	20.10	23.56
15	25.32	23.46	19.81	22.80	23.69	23.80	15.96	16.31	17.66	22.02	20.25	23.63
16	25.24	23.43	20.10	22.81	23.78	23.76	15.92	16.27	17.72	22.20	20.43	23.68
17	25.07	23.50	20.34	22.80	23.74	23.69	15.85	16.21	17.79	22.20	20.69	23.76
18	24.75	23.56	20.36	22.86	23.74	23.65	15.77	16.14	17.87	22.25	20.89	23.83
19	24.57	23.44	20.38	22.87	23.79	23.47	15.74	16.10	17.99	22.35	21.24	23.81
20	24.45	23.34	20.58	22.89	23.79	23.15	15.74	16.09	18.10	22.49	21.48	23.89
21	24.29	23.24	20.97	22.98	23.87	22.73	15.77	16.13	18.20	22.66	21.66	23.98
22	24.22	23.11	21.15	23.02	23.92	21.79	15.83	16.19	18.31	22.59	21.87	24.05
23	24.20	22.91	21.29	23.03	23.85	20.61	15.91	16.23	18.46	22.30	22.10	23.87
24	24.23	22.38	21.41	23.06	23.91	19.37	15.96	16.29	18.64	21.76	22.27	23.56
25	24.25	21.88	21.42	23.07	23.75	17.60	16.01	16.37	18.83	20.95	22.40	23.37
26	24.22	21.37	21.63	23.09	23.59	16.46	16.06	16.46	19.06	20.30	22.52	23.33
27	24.24	20.71	21.69	23.13	23.49	15.27	16.08	16.51	19.26	19.86	22.66	23.32
28	24.18	19.99	21.73	23.11	23.43	14.57	16.08	16.52	19.48	19.63	22.81	23.30
29	24.11	19.42	21.87	23.08	---	14.31	16.12	16.56	19.64	19.52	22.95	23.00
30	24.06	19.08	22.03	23.10	---	14.25	16.16	16.61	19.79	19.41	22.88	22.68
31	24.06	---	22.01	23.14	---	14.32	---	16.67	---	19.48	22.78	---
MEAN	24.73	23.04	20.12	22.72	23.55	21.33	15.64	16.29	17.89	21.25	20.97	23.35
MAX	25.36	24.20	22.03	23.14	23.92	23.83	16.16	16.67	19.79	22.66	22.95	24.05
MIN	24.06	19.08	18.58	22.12	23.13	14.25	14.46	16.09	16.73	19.41	19.30	22.68

ESSEX COUNTY -- Ex 150—Continued



FULTON COUNTY -- Fu 271

430405074222501. Local number, Fu 271.

LOCATION.--Lat 43°04'05", long 74°22'25", Hydrologic Unit 02020004, at Gloversville.
Owner: Private.

AQUIFER.--Water-table aquifer in sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 34 ft, cased to 34 ft (screen, 23.6 ft to 28.6 ft).

INSTRUMENTATION.--Water-stage recorder--hourly.

DATUM.--Elevation of land-surface datum is 1,030 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 3.40 ft above land-surface datum.

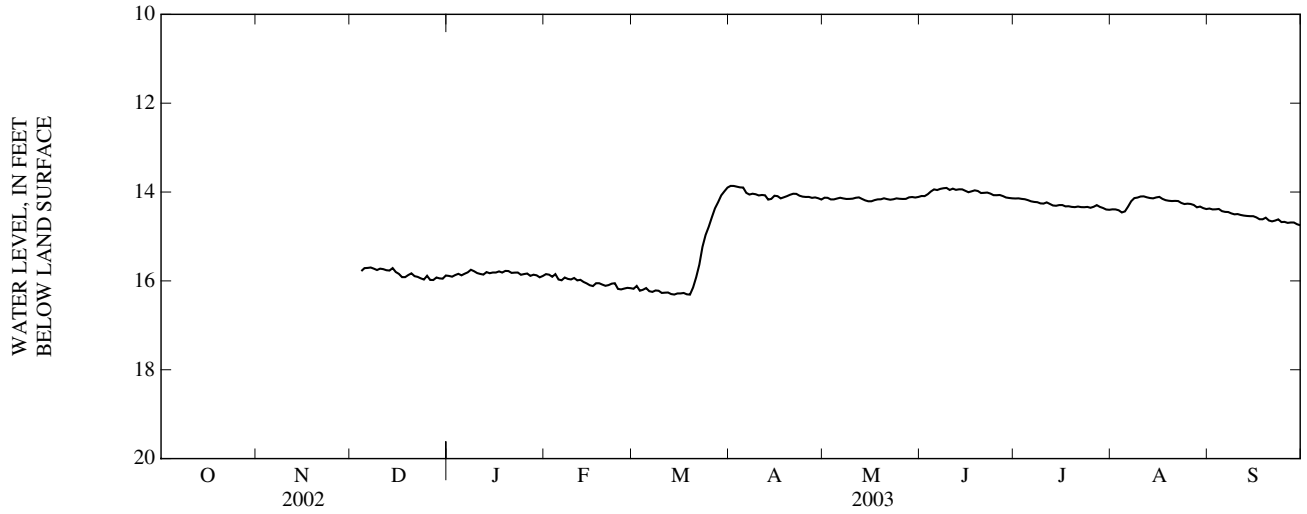
PERIOD OF RECORD.--December 2002 to September 2003.

EXTREMES FOR CURRENT PERIOD (December to September).--Highest water level, 13.83 ft below land-surface datum, Apr. 1; lowest, 16.34 ft below land-surface datum, Mar. 18, 19.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	15.89	15.85	16.18	13.86	14.13	14.09	14.15	14.39	14.37
2	---	---	---	15.90	15.86	16.11	13.86	14.13	14.09	14.14	14.39	14.39
3	---	---	---	15.87	15.91	16.22	13.88	14.17	14.05	14.15	14.41	14.39
4	---	---	15.78	15.84	15.85	16.20	13.89	14.17	13.99	14.16	14.46	14.38
5	---	---	15.71	15.87	15.97	16.16	13.90	14.15	13.94	14.18	14.44	14.43
6	---	---	15.71	15.84	15.99	16.23	14.02	14.13	13.95	14.21	14.33	14.45
7	---	---	15.70	15.81	15.92	16.25	14.06	14.14	13.93	14.22	14.21	14.45
8	---	---	15.72	15.75	15.96	16.22	14.04	14.16	13.91	14.23	14.14	14.48
9	---	---	15.76	15.78	15.97	16.22	14.05	14.15	13.91	14.26	14.12	14.50
10	---	---	15.72	15.82	15.93	16.27	14.08	14.15	13.95	14.26	14.10	14.50
11	---	---	15.74	15.84	15.99	16.27	14.07	14.13	13.92	14.23	14.10	14.52
12	---	---	15.76	15.86	15.98	16.26	14.07	14.12	13.95	14.27	14.12	14.53
13	---	---	15.77	15.80	16.02	16.30	14.17	14.16	13.94	14.30	14.13	14.54
14	---	---	15.71	15.83	16.06	16.31	14.15	14.19	13.94	14.31	14.14	14.54
15	---	---	15.80	15.81	16.10	16.28	14.08	14.21	13.97	14.29	14.12	14.54
16	---	---	15.84	15.81	16.12	16.28	14.09	14.21	14.00	14.29	14.11	14.57
17	---	---	15.92	15.79	16.05	16.27	14.14	14.18	13.98	14.32	14.15	14.61
18	---	---	15.92	15.81	16.05	16.30	14.12	14.16	13.96	14.32	14.18	14.61
19	---	---	15.87	15.78	16.08	16.31	14.09	14.16	13.98	14.33	14.20	14.58
20	---	---	15.83	15.78	16.11	16.15	14.06	14.14	14.02	14.34	14.20	14.64
21	---	---	15.89	15.82	16.09	15.92	14.04	14.16	14.02	14.33	14.20	14.66
22	---	---	15.91	15.81	16.06	15.63	14.04	14.17	14.01	14.34	14.20	14.64
23	---	---	15.94	15.81	16.05	15.24	14.08	14.16	14.03	14.34	14.25	14.62
24	---	---	15.97	15.86	16.18	14.97	14.10	14.14	14.07	14.33	14.27	14.68
25	---	---	15.88	15.85	16.19	14.78	14.11	14.15	14.07	14.35	14.26	14.67
26	---	---	15.98	15.83	16.17	14.57	14.11	14.16	14.07	14.33	14.27	14.69
27	---	---	15.98	15.89	16.16	14.37	14.13	14.15	14.09	14.29	14.29	14.69
28	---	---	15.92	15.86	16.16	14.23	14.12	14.12	14.12	14.33	14.34	14.69
29	---	---	15.94	15.87	---	14.07	14.14	14.11	14.13	14.36	14.33	14.72
30	---	---	15.95	15.92	---	13.98	14.17	14.12	14.14	14.39	14.36	14.75
31	---	---	15.88	15.89	---	13.90	---	14.11	---	14.40	14.38	---
MEAN	---	---	---	15.84	16.03	15.69	14.06	14.15	14.01	14.28	14.24	14.56
MAX	---	---	---	15.92	16.19	16.31	14.17	14.21	14.14	14.40	14.46	14.75
MIN	---	---	---	15.75	15.85	13.90	13.86	14.11	13.91	14.14	14.10	14.37

FULTON COUNTY -- Fu 271—Continued



GREENE COUNTY -- G 644

421903074152301. Local number, G 644.

LOCATION.--Lat 42°19'03", long 74°15'23", Hydrologic Unit 02020005, at Windham.
Owner: Town of Windham.

AQUIFER.--Confined aquifer in sandstone and shale of Devonian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 352 ft, cased to 26 ft.

INSTRUMENTATION.--Water-stage recorder--hourly.

DATUM.--Elevation of land-surface datum is 1,720 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 1.10 ft above land-surface datum.

PERIOD OF RECORD.--March 1991 to April 1992, April to September 2003. Records prior to April 2003 are unpublished and available in files of the Geological Survey.

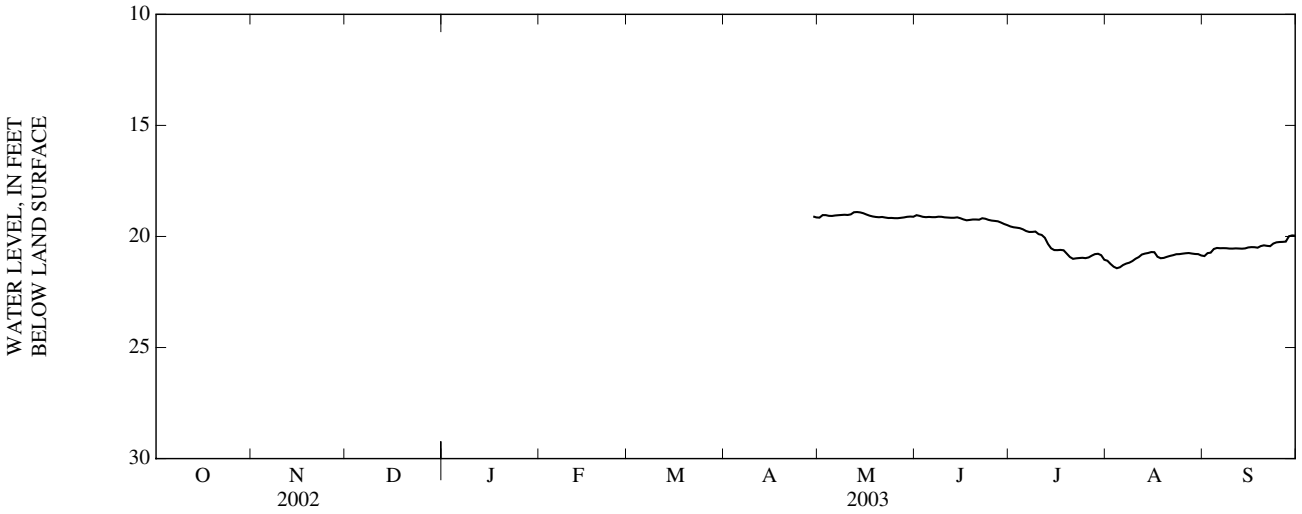
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 18.89 ft below land-surface datum, May 13, 2003; lowest, 26.10 ft below land-surface datum, Sept. 4, 1991.

EXTREMES FOR CURRENT PERIOD (April to September).--Highest water level, 18.89 ft below land-surface datum, May 13; lowest, 21.44 ft below land-surface datum, Aug. 4.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	19.15	19.04	19.55	21.09	20.88
2	---	---	---	---	---	---	---	19.04	19.07	19.59	21.24	20.75
3	---	---	---	---	---	---	---	19.04	19.12	19.60	21.36	20.73
4	---	---	---	---	---	---	---	19.07	19.13	19.63	21.43	20.56
5	---	---	---	---	---	---	---	19.08	19.12	19.68	21.39	20.52
6	---	---	---	---	---	---	---	19.06	19.13	19.75	21.29	20.53
7	---	---	---	---	---	---	---	19.04	19.13	19.80	21.22	20.53
8	---	---	---	---	---	---	---	19.03	19.11	19.79	21.18	20.53
9	---	---	---	---	---	---	---	19.02	19.11	19.78	21.11	20.54
10	---	---	---	---	---	---	---	19.03	19.14	19.89	21.00	20.55
11	---	---	---	---	---	---	---	19.01	19.15	19.93	20.93	20.54
12	---	---	---	---	---	---	---	18.91	19.16	20.06	20.81	20.54
13	---	---	---	---	---	---	---	18.90	19.16	20.34	20.77	20.55
14	---	---	---	---	---	---	---	18.92	19.14	20.53	20.74	20.54
15	---	---	---	---	---	---	---	18.95	19.18	20.61	20.70	20.49
16	---	---	---	---	---	---	---	19.01	19.23	20.62	20.71	20.48
17	---	---	---	---	---	---	---	19.06	19.27	20.61	20.91	20.48
18	---	---	---	---	---	---	---	19.10	19.26	20.62	20.98	20.51
19	---	---	---	---	---	---	---	19.12	19.24	20.77	20.97	20.43
20	---	---	---	---	---	---	---	19.13	19.24	20.92	20.92	20.40
21	---	---	---	---	---	---	---	19.12	19.24	21.01	20.88	20.42
22	---	---	---	---	---	---	---	19.15	19.18	20.98	20.84	20.44
23	---	---	---	---	---	---	---	19.17	19.20	20.97	20.80	20.32
24	---	---	---	---	---	---	---	19.17	19.25	20.96	20.79	20.27
25	---	---	---	---	---	---	---	19.18	19.28	20.98	20.77	20.25
26	---	---	---	---	---	---	---	19.18	19.30	20.94	20.76	20.24
27	---	---	---	---	---	---	---	19.16	19.32	20.86	20.75	20.23
28	---	---	---	---	---	---	---	19.14	19.37	20.80	20.77	19.99
29	---	---	---	---	---	---	19.10	19.12	19.44	20.78	20.79	19.95
30	---	---	---	---	---	---	19.14	19.10	19.49	20.84	20.79	19.96
31	---	---	---	---	---	---	---	19.11	---	21.05	20.86	---
MEAN	---	---	---	---	---	---	---	19.07	19.21	20.39	20.95	20.44
MAX	---	---	---	---	---	---	---	19.18	19.49	21.05	21.43	20.88
MIN	---	---	---	---	---	---	---	18.90	19.04	19.55	20.70	19.95

GREENE COUNTY -- G 644—Continued



HAMILTON COUNTY -- H 3

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 2002 to current year. Records prior to October 1976 are unpublished and available in files of the Geological Survey.

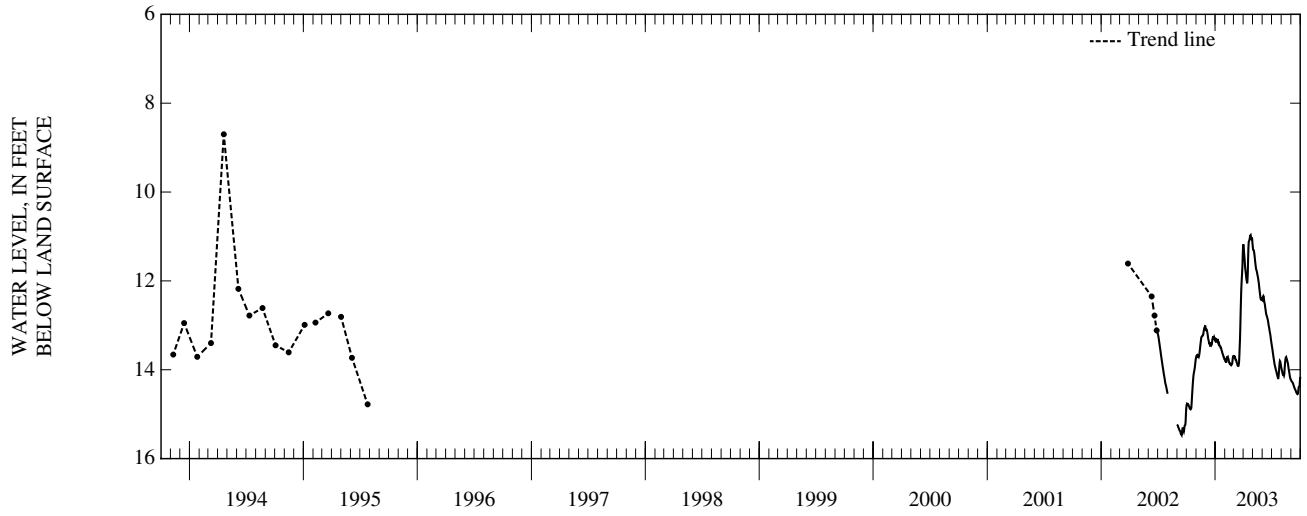
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.38 ft below land-surface datum, June 6, 1980; lowest, 16.19 ft below land-surface datum, Oct. 21, 1969.

EXTREMES FOR CURRENT YEAR.--Highest water level, 10.96 ft below land-surface datum, Apr. 24; lowest, 14.89 ft below land-surface datum, Oct. 12, 13, 14, 15.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.79	13.70	13.08	13.34	13.77	13.70	11.18	11.22	12.44	13.45	13.97	14.24
2	14.77	13.68	13.11	13.36	13.79	13.67	11.25	11.30	12.39	13.50	14.00	14.25
3	14.78	13.68	13.10	13.35	13.83	13.72	11.35	11.30	12.35	13.55	14.04	14.27
4	14.77	13.67	13.10	13.33	13.81	13.72	11.45	11.31	12.34	13.59	14.07	14.27
5	14.79	13.68	13.11	13.35	13.84	13.72	11.52	11.34	12.35	13.65	14.10	14.28
6	14.78	13.66	13.15	13.35	13.79	13.76	11.65	11.39	12.43	13.70	14.11	14.29
7	14.79	13.70	13.19	13.34	13.72	13.78	11.73	11.45	12.47	13.75	14.11	14.31
8	14.81	13.69	13.24	13.31	13.71	13.78	11.78	11.52	12.51	13.79	14.11	14.33
9	14.83	13.71	13.30	13.35	13.72	13.79	11.85	11.59	12.54	13.84	14.13	14.36
10	14.85	13.68	13.32	13.39	13.71	13.83	11.93	11.65	12.61	13.88	14.10	14.37
11	14.87	13.64	13.36	13.41	13.75	13.85	11.98	11.71	12.64	13.91	13.99	14.40
12	14.88	13.58	13.39	13.43	13.76	13.86	12.01	11.74	12.70	13.94	13.89	14.42
13	14.88	13.52	13.41	13.41	13.79	13.90	12.05	11.77	12.75	13.97	13.81	14.43
14	14.89	13.45	13.38	13.45	13.83	13.91	11.98	11.79	12.77	14.00	13.75	14.45
15	14.88	13.39	13.43	13.45	13.85	13.91	11.83	11.83	12.79	14.02	13.72	14.46
16	14.86	13.33	13.44	13.47	13.86	13.91	11.52	11.86	12.82	14.05	13.71	14.48
17	14.76	13.27	13.46	13.48	13.86	13.89	11.25	11.90	12.84	14.08	13.74	14.50
18	14.63	13.26	13.46	13.51	13.87	13.83	11.12	11.94	12.87	14.11	13.76	14.52
19	14.51	13.25	13.45	13.51	13.88	13.68	11.10	11.99	12.91	14.14	13.79	14.52
20	14.41	13.25	13.43	13.53	13.90	13.50	11.09	12.03	12.96	14.17	13.81	14.54
21	14.30	13.24	13.42	13.56	13.90	13.32	11.05	12.09	13.00	14.19	13.84	14.55
22	14.20	13.21	13.34	13.58	13.89	13.08	11.01	12.16	13.04	14.19	13.88	14.55
23	14.13	13.21	13.30	13.60	13.87	12.75	10.98	12.22	13.08	14.12	13.93	14.53
24	14.08	13.17	13.29	13.64	13.86	12.48	10.97	12.28	13.13	14.04	13.98	14.47
25	14.04	13.12	13.25	13.65	13.80	12.22	11.02	12.34	13.16	13.93	14.02	14.40
26	14.00	13.08	13.29	13.67	13.74	12.06	11.08	12.39	13.20	13.84	14.06	14.38
27	13.96	13.05	13.29	13.71	13.70	11.92	11.06	12.42	13.25	13.80	14.11	14.38
28	13.90	13.04	13.27	13.71	13.69	11.79	11.02	12.42	13.31	13.81	14.16	14.36
29	13.83	13.02	13.29	13.73	---	11.64	11.06	12.40	13.36	13.85	14.18	14.26
30	13.77	13.02	13.32	13.77	---	11.38	11.16	12.41	13.41	13.89	14.21	14.16
31	13.73	---	13.31	13.77	---	11.21	---	12.43	---	13.94	14.22	---
MEAN	14.50	13.40	13.30	13.50	13.80	13.21	11.40	11.88	12.81	13.89	13.98	14.39
MAX	14.89	13.71	13.46	13.77	13.90	13.91	12.05	12.43	13.41	14.19	14.22	14.55
MIN	13.73	13.02	13.08	13.31	13.69	11.21	10.97	11.22	12.34	13.45	13.71	14.16

HAMILTON COUNTY -- H 3—Continued



LEWIS COUNTY -- L 174

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 45 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 2-in. casing, 3.22 ft above land-surface datum; area between two chisel marks on metal strip on shelter shelf located over well opening, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--August 2002 to current year.

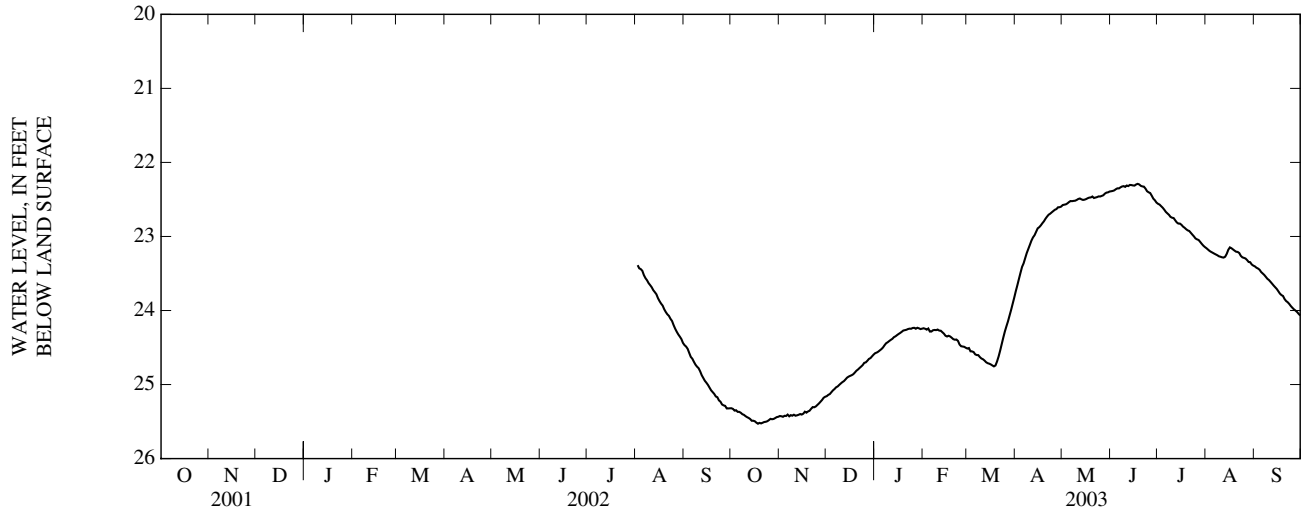
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 22.28 ft below land-surface datum, June 18, 19, 2003; lowest, 25.54 ft below land-surface datum, Oct. 20, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level, 22.28 ft below land-surface datum, June 18, 19; lowest, 25.54 ft below land-surface datum, Oct. 20.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.32	25.43	25.16	24.58	24.24	24.51	23.74	22.58	22.39	22.56	23.16	23.40
2	25.33	25.43	25.14	24.57	24.25	24.51	23.66	22.57	22.39	22.57	23.18	23.42
3	25.35	25.44	25.13	24.55	24.26	24.55	23.57	22.57	22.38	22.59	23.20	23.43
4	25.35	25.42	25.10	24.54	24.24	24.55	23.49	22.55	22.36	22.61	23.21	23.45
5	25.37	25.42	25.08	24.52	24.28	24.56	23.41	22.54	22.35	22.64	23.22	23.48
6	25.37	25.41	25.06	24.50	24.28	24.59	23.36	22.52	22.35	22.67	23.23	23.50
7	25.38	25.43	25.04	24.47	24.27	24.60	23.29	22.52	22.34	22.69	23.24	23.52
8	25.40	25.41	25.03	24.44	24.26	24.60	23.22	22.52	22.33	22.71	23.25	23.55
9	25.41	25.42	25.00	24.43	24.27	24.63	23.17	22.52	22.32	22.74	23.27	23.57
10	25.43	25.41	24.99	24.41	24.26	24.65	23.11	22.51	22.33	22.75	23.27	23.59
11	25.44	25.42	24.97	24.40	24.27	24.66	23.06	22.49	22.31	22.75	23.28	23.61
12	25.45	25.42	24.95	24.38	24.27	24.68	23.01	22.49	22.32	22.78	23.29	23.64
13	25.47	25.41	24.93	24.36	24.29	24.70	22.98	22.50	22.30	22.81	23.27	23.66
14	25.49	25.40	24.91	24.35	24.31	24.71	22.94	22.51	22.31	22.83	23.23	23.69
15	25.49	25.41	24.89	24.33	24.34	24.72	22.89	22.50	22.31	22.83	23.18	23.71
16	25.50	25.39	24.88	24.32	24.35	24.73	22.87	22.50	22.31	22.84	23.15	23.74
17	25.52	25.37	24.87	24.30	24.34	24.74	22.85	22.48	22.30	22.87	23.16	23.77
18	25.53	25.38	24.86	24.29	24.35	24.75	22.82	22.48	22.29	22.88	23.18	23.79
19	25.52	25.36	24.84	24.27	24.37	24.74	22.80	22.47	22.30	22.90	23.19	23.80
20	25.52	25.35	24.81	24.27	24.39	24.69	22.76	22.46	22.32	22.92	23.21	23.85
21	25.52	25.33	24.80	24.26	24.39	24.62	22.73	22.48	22.32	22.93	23.21	23.87
22	25.51	25.30	24.78	24.25	24.39	24.54	22.71	22.47	22.33	22.95	23.22	23.89
23	25.50	25.31	24.76	24.25	24.41	24.45	22.69	22.47	22.35	22.98	23.26	23.91
24	25.50	25.30	24.74	24.25	24.46	24.37	22.67	22.46	22.39	23.00	23.28	23.94
25	25.48	25.28	24.71	24.24	24.48	24.28	22.66	22.46	22.40	23.03	23.29	23.96
26	25.46	25.26	24.70	24.23	24.49	24.21	22.64	22.45	22.41	23.04	23.30	23.98
27	25.47	25.23	24.68	24.25	24.49	24.15	22.63	22.44	22.45	23.05	23.32	24.00
28	25.46	25.21	24.65	24.23	24.50	24.07	22.61	22.42	22.49	23.07	23.34	24.02
29	25.45	25.18	24.64	24.24	---	23.99	22.60	22.41	22.51	23.10	23.35	24.04
30	25.44	25.16	24.62	24.25	---	23.91	22.60	22.40	22.54	23.12	23.38	24.07
31	25.43	---	24.60	24.25	---	23.83	---	22.39	---	23.14	23.39	---
MEAN	25.45	25.36	24.88	24.35	24.34	24.49	22.98	22.49	22.36	22.85	23.25	23.73
MAX	25.53	25.44	25.16	24.58	24.50	24.75	23.74	22.58	22.54	23.14	23.39	24.07
MIN	25.32	25.16	24.60	24.23	24.24	23.83	22.60	22.39	22.29	22.56	23.15	23.40

LEWIS COUNTY -- L 174—Continued



ONEIDA COUNTY -- Oe 151

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, 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.

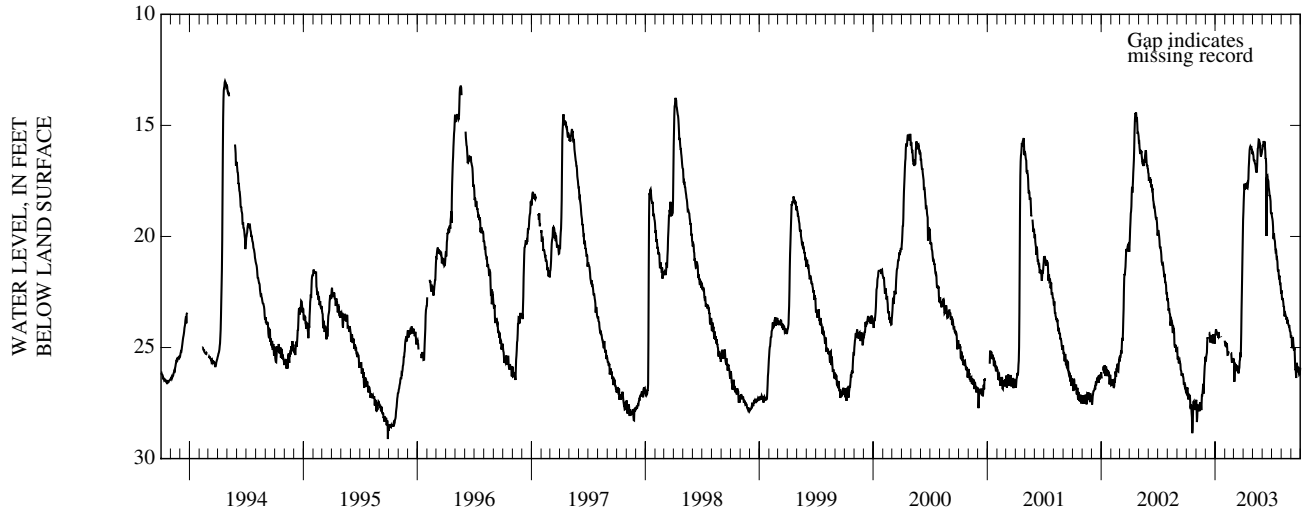
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.43 ft below land-surface datum, Apr. 3, 1976; lowest, 30.31 ft below land-surface datum, Feb. 25, 1961.

EXTREMES FOR CURRENT YEAR.--Highest water level, 15.44 ft below land-surface datum, May 20; lowest, 29.39 ft below land-surface datum, Oct. 19.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.93	27.35	25.62	24.42	24.80	25.58	18.87	16.22	16.08	19.05	22.42	24.52
2	26.90	27.74	25.59	24.32	24.81	25.67	18.42	16.26	15.87	19.15	22.65	24.51
3	26.83	28.35	25.39	24.18	24.95	26.54	18.04	16.36	15.94	19.21	22.86	24.63
4	26.80	28.13	25.31	24.22	24.75	26.10	17.69	16.55	15.82	19.32	22.76	25.03
5	27.06	27.73	25.22	24.34	24.88	25.83	17.62	16.60	15.70	19.55	22.84	24.97
6	27.34	27.58	24.75	24.30	24.99	25.75	17.88	16.55	15.79	20.06	22.87	24.60
7	27.26	27.81	24.54	24.43	24.80	25.78	17.81	16.65	15.89	20.11	22.99	24.59
8	27.17	27.77	24.60	24.44	25.02	25.78	17.74	16.72	15.73	19.85	23.17	24.81
9	27.21	27.59	---	24.37	25.33	25.87	17.66	16.74	15.95	20.08	23.13	24.95
10	27.14	27.72	---	24.33	25.33	25.93	17.65	16.84	16.16	20.16	23.49	25.14
11	27.16	27.87	---	24.57	25.30	25.89	17.64	16.98	16.50	20.21	23.60	25.08
12	27.27	27.58	24.37	24.30	25.24	25.81	17.62	16.96	16.47	20.46	23.50	25.03
13	27.73	27.48	24.36	24.52	25.18	26.02	17.83	17.12	16.79	20.63	23.47	25.46
14	27.72	27.53	24.46	24.49	---	26.07	17.84	17.06	19.98	20.60	23.54	25.96
15	27.56	27.47	24.68	---	---	25.94	17.72	16.81	17.37	20.63	23.59	25.96
16	27.70	27.57	24.77	---	---	26.16	17.58	16.44	17.28	20.89	23.61	26.07
17	27.94	27.82	24.57	---	---	26.11	17.41	16.04	17.26	21.05	23.75	26.37
18	28.14	27.50	24.46	---	---	25.98	16.90	16.01	17.43	21.02	23.69	26.08
19	28.86	27.17	24.57	24.50	---	25.90	16.67	15.82	17.45	21.14	23.65	25.69
20	28.67	27.17	24.51	24.53	25.24	25.62	16.35	15.64	17.52	21.48	23.92	25.77
21	28.23	27.04	24.44	---	25.25	25.55	16.10	15.65	17.78	21.57	23.75	26.11
22	27.62	26.89	24.56	---	25.48	25.23	16.00	15.70	17.89	21.48	23.93	25.97
23	27.44	26.63	24.77	---	25.68	25.44	15.96	15.77	18.01	21.67	23.95	25.90
24	27.42	27.08	24.81	---	25.63	25.10	16.00	15.81	18.19	21.84	24.01	25.86
25	27.59	26.98	24.52	---	25.55	24.34	15.99	16.09	18.14	21.81	24.03	25.96
26	27.58	26.44	24.40	---	25.64	23.34	15.93	16.28	18.29	21.76	23.99	26.12
27	27.81	26.12	24.61	---	25.47	22.56	16.07	16.40	18.41	22.08	24.15	26.23
28	27.73	25.84	24.48	---	25.59	21.70	16.08	16.34	18.92	22.14	24.26	26.21
29	27.58	25.71	24.67	---	---	20.89	16.14	16.30	18.99	22.13	24.28	26.13
30	27.65	25.42	24.82	---	---	20.07	16.30	16.22	18.91	22.40	24.34	25.91
31	27.41	---	24.45	24.69	---	19.25	---	16.10	---	22.56	24.55	---
MEAN	27.53	27.24	---	---	---	24.90	17.12	16.36	17.22	20.84	23.57	25.52
MAX	28.86	28.35	---	---	---	26.54	18.87	17.12	19.98	22.56	24.55	26.37
MIN	26.80	25.42	---	---	---	19.25	15.93	15.64	15.70	19.05	22.42	24.51

ONEIDA COUNTY -- Oe 151—Continued



ONEIDA COUNTY -- Oe 1457

431227075233301. Local number, Oe 1457.

LOCATION.--Lat 43°12'27", long 75°23'33", Hydrologic Unit 02020004, at Griffis Air Force Base, Utica.
Owner: Air Force Real Property Agency.

AQUIFER.--Water-table aquifer in sand of Pleistocene age.

WELL CHARACTERISTICS.--Bored observation well, diameter 2 in., depth 52 ft, cased to 42 ft (screen, 42 ft to 52 ft).

INSTRUMENTATION.--Water-stage recorder--hourly. Prior to July 2003, tape measurement by USGS personnel.

DATUM.--Elevation of land-surface datum is 489.97 ft above NGVD of 1929. Measuring points: Top of extended PVC casing, 2.48 ft above land-surface datum; top of shelter shelf, at file mark, 2.73 ft above land-surface datum.

PERIOD OF RECORD.--June to September 2003.

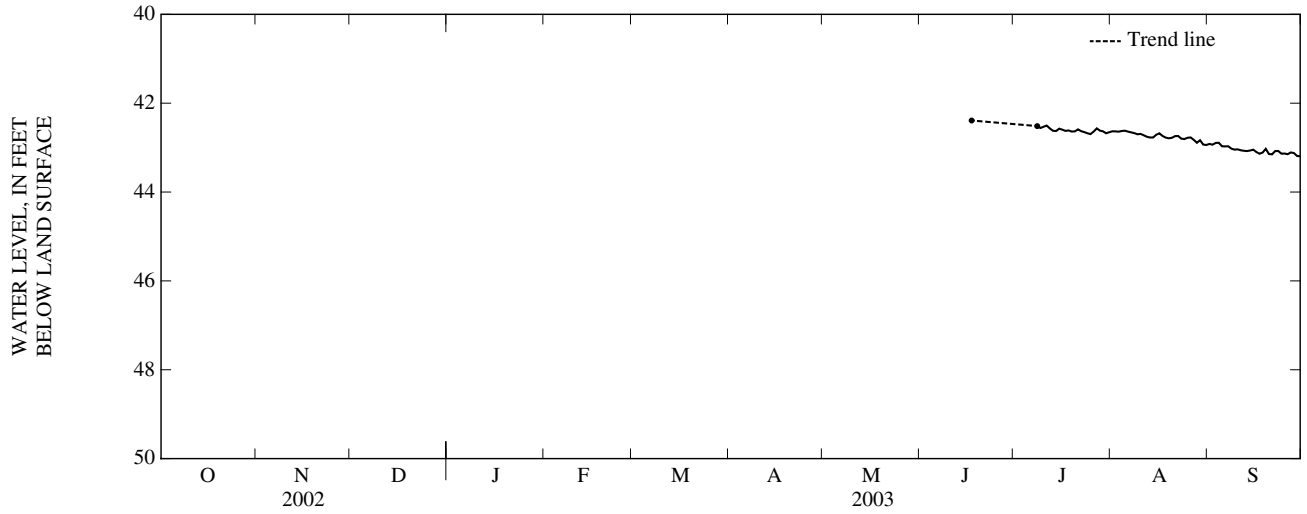
EXTREMES FOR CURRENT PERIOD (June to September).--Highest water level, 42.39 ft below land-surface datum, June 17; lowest, 43.24 ft below land-surface datum, Sept. 29.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	42.63	42.92
2	---	---	---	---	---	---	---	---	---	---	42.63	42.93
3	---	---	---	---	---	---	---	---	---	---	42.64	42.89
4	---	---	---	---	---	---	---	---	---	---	42.63	42.89
5	---	---	---	---	---	---	---	---	---	---	42.62	42.97
6	---	---	---	---	---	---	---	---	---	---	42.64	42.97
7	---	---	---	---	---	---	---	---	---	---	42.66	42.97
8	---	---	---	---	---	---	---	---	---	42.52	42.67	43.02
9	---	---	---	---	---	---	---	---	---	42.56	42.70	43.05
10	---	---	---	---	---	---	---	---	---	42.53	42.69	43.04
11	---	---	---	---	---	---	---	---	---	42.50	42.72	43.06
12	---	---	---	---	---	---	---	---	---	42.57	42.76	43.07
13	---	---	---	---	---	---	---	---	---	42.62	42.77	43.08
14	---	---	---	---	---	---	---	---	---	42.63	42.77	43.06
15	---	---	---	---	---	---	---	---	---	42.57	42.71	43.05
16	---	---	---	---	---	---	---	---	---	42.60	42.68	43.10
17	---	---	---	---	---	---	---	---	m 42.39	42.62	42.74	43.14
18	---	---	---	---	---	---	---	---	---	42.61	42.77	43.11
19	---	---	---	---	---	---	---	---	---	42.64	42.79	43.03
20	---	---	---	---	---	---	---	---	---	42.63	42.78	43.14
21	---	---	---	---	---	---	---	---	---	42.59	42.74	43.15
22	---	---	---	---	---	---	---	---	---	42.63	42.74	43.08
23	---	---	---	---	---	---	---	---	---	42.65	42.80	43.08
24	---	---	---	---	---	---	---	---	---	42.68	42.81	43.14
25	---	---	---	---	---	---	---	---	---	42.70	42.78	43.13
26	---	---	---	---	---	---	---	---	---	42.64	42.77	43.15
27	---	---	---	---	---	---	---	---	---	42.57	42.83	43.11
28	---	---	---	---	---	---	---	---	---	42.62	42.89	43.12
29	---	---	---	---	---	---	---	---	---	42.63	42.83	43.19
30	---	---	---	---	---	---	---	---	---	42.68	42.93	43.20
31	---	---	---	---	---	---	---	---	---	42.65	42.94	---
MEAN	---	---	---	---	---	---	---	---	---	---	42.74	43.06
MAX	---	---	---	---	---	---	---	---	---	---	42.94	43.20
MIN	---	---	---	---	---	---	---	---	---	---	42.62	42.89

m Instantaneous measurement

ONEIDA COUNTY -- Oe 1457—Continued



ORANGE COUNTY -- O 2271

412637074362301. Local number, O 2271.

LOCATION.--Lat 41°26'37", long 74°36'23", Hydrologic Unit 02040104, at Myers Grove.
Owner: The Nature Conservancy.

AQUIFER.--Water-table aquifer in sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 33.5 ft, cased to 33.5 ft (screen, 18.5 ft to 28.5 ft).

INSTRUMENTATION.--Water-stage recorder--hourly.

DATUM.--Elevation of land-surface datum is 470 ft above NGVD of 1929, from topographic map. Measuring points: Top of casing, 4.50 ft above land-surface datum.

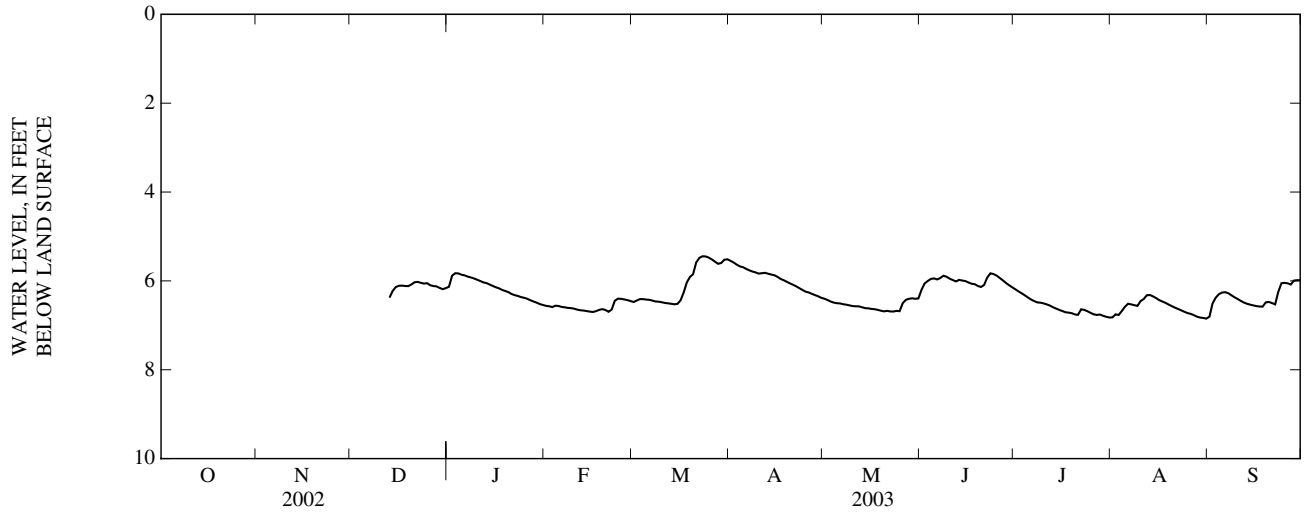
PERIOD OF RECORD.--December 2002 to September 2003.

EXTREMES FOR CURRENT PERIOD (December to September).--Highest water level, 5.45 ft below land-surface datum, Mar. 23, 24; lowest, 6.86 ft below land-surface datum, Aug. 31, Sept. 1.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	6.13	6.56	6.48	5.55	6.40	6.20	6.19	6.82	6.81
2	---	---	---	5.88	6.57	6.44	5.59	6.43	6.06	6.24	6.75	6.51
3	---	---	---	5.83	6.59	6.41	5.64	6.47	6.00	6.28	6.77	6.38
4	---	---	---	5.83	6.56	6.41	5.67	6.49	5.96	6.33	6.68	6.30
5	---	---	---	5.86	6.56	6.42	5.69	6.50	5.94	6.37	6.58	6.26
6	---	---	---	5.88	6.59	6.43	5.73	6.51	5.97	6.42	6.51	6.25
7	---	---	---	5.90	6.59	6.44	5.76	6.53	5.94	6.45	6.53	6.28
8	---	---	---	5.92	6.61	6.46	5.79	6.54	5.88	6.48	6.55	6.32
9	---	---	---	5.95	6.61	6.47	5.81	6.55	5.91	6.49	6.56	6.37
10	---	---	---	5.97	6.63	6.48	5.84	6.57	5.95	6.51	6.45	6.41
11	---	---	---	6.00	6.65	6.50	5.83	6.57	5.98	6.53	6.41	6.45
12	---	---	---	6.03	6.66	6.50	5.82	6.57	6.01	6.55	6.32	6.49
13	---	---	6.38	6.05	6.67	6.51	5.84	6.59	5.98	6.59	6.32	6.51
14	---	---	6.23	6.08	6.68	6.53	5.86	6.61	5.99	6.62	6.35	6.54
15	---	---	6.14	6.11	6.69	6.52	5.87	6.62	6.00	6.65	6.39	6.55
16	---	---	6.11	6.14	6.70	6.44	5.91	6.63	6.04	6.68	6.43	6.57
17	---	---	6.11	6.17	6.68	6.26	5.96	6.64	6.06	6.71	6.47	6.58
18	---	---	6.12	6.20	6.65	6.03	5.99	6.65	6.07	6.71	6.50	6.58
19	---	---	6.12	6.23	6.64	5.91	6.02	6.67	6.11	6.73	6.53	6.48
20	---	---	6.08	6.25	6.65	5.85	6.06	6.69	6.14	6.76	6.57	6.47
21	---	---	6.03	6.29	6.70	5.59	6.09	6.67	6.09	6.76	6.60	6.50
22	---	---	6.02	6.32	6.64	5.48	6.12	6.69	5.92	6.64	6.63	6.53
23	---	---	6.04	6.34	6.45	5.45	6.17	6.69	5.83	6.65	6.66	6.25
24	---	---	6.06	6.36	6.40	5.45	6.21	6.67	5.85	6.68	6.69	6.05
25	---	---	6.05	6.38	6.40	5.48	6.24	6.68	5.88	6.72	6.72	6.04
26	---	---	6.10	6.40	6.42	5.52	6.26	6.50	5.93	6.75	6.74	6.05
27	---	---	6.12	6.44	6.43	5.57	6.29	6.43	5.99	6.77	6.77	6.08
28	---	---	6.12	6.46	6.45	5.62	6.32	6.40	6.05	6.76	6.80	5.99
29	---	---	6.16	6.49	---	5.60	6.35	6.39	6.10	6.79	6.83	5.98
30	---	---	6.19	6.52	---	5.52	6.38	6.40	6.15	6.81	6.83	5.98
31	---	---	6.16	6.54	---	5.51	---	6.39	---	6.82	6.85	---
MEAN	---	---	---	6.16	6.59	6.07	5.96	6.55	6.00	6.59	6.60	6.35
MAX	---	---	---	6.54	6.70	6.53	6.38	6.69	6.20	6.82	6.85	6.81
MIN	---	---	---	5.83	6.40	5.45	5.55	6.39	5.83	6.19	6.32	5.98

ORANGE COUNTY -- O 2271—Continued



RENSSELAER COUNTY -- Re 703

423534073423401. Local number, Re 703.

LOCATION.--Lat 42°35'34", long 73°42'34", Hydrologic Unit 02020006, in East Greenbush.
Owner: Town of East Greenbush.

AQUIFER.--Unconfined aquifer in sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 79 ft, cased to 78 ft (50-slot plastic screen, 78 ft to 80 ft).

INSTRUMENTATION.--Water-stage recorder--hourly.

DATUM.--Elevation of land-surface datum is 275 ft above NGVD of 1929, from topographic map. Measuring points: Top of flange, 2.9 ft above land-surface datum; top of shelter shelf, 3.10 ft above land-surface datum.

REMARKS.--The wrong measuring point value was used from November 1982 through the 1985 water year. A -.20 ft correction should be applied to all published record prior to the 1985 water year. Well was drilled October 1982 as a replacement for 423532073423701 (local number Re 701), located about 300 ft southwest and 15.8 ft lower in land-surface datum, which has a period of record from March 1961 to May 1980. Water level may be affected by nearby pumping.

PERIOD OF RECORD.--October 1982 to August 1995, April to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 32.86 ft below land-surface datum, June 4, 5, 6, 7, 8, 9, July 11, 1984; lowest recorded, 41.93 ft below land-surface datum, Jan. 23, 24, 1986.

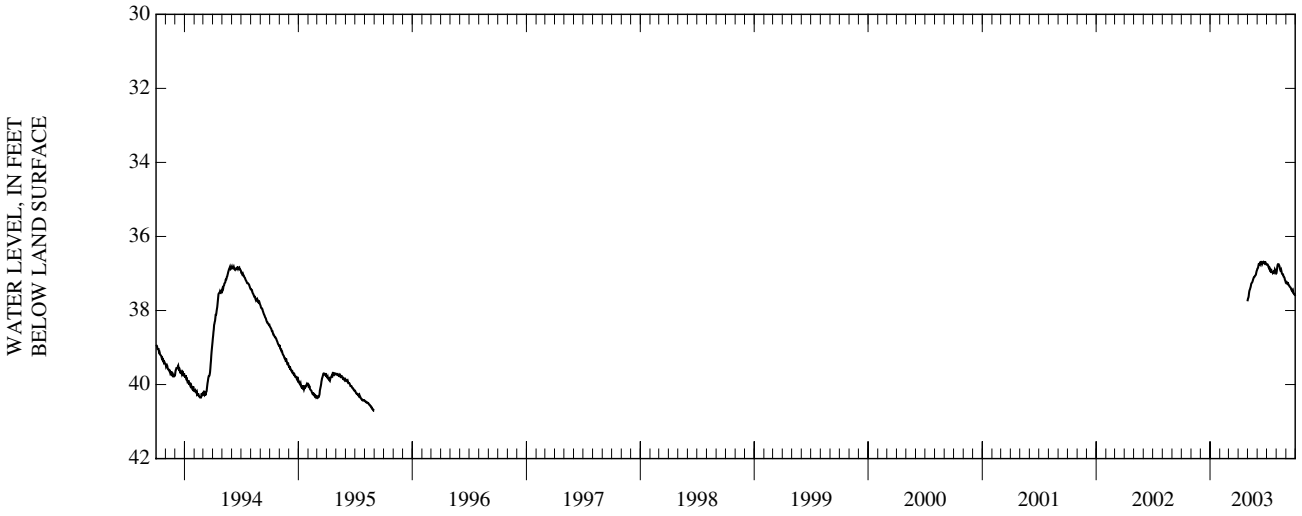
EXTREMES FOR CURRENT PERIOD (April to September).--Highest water level, 36.69 ft below land-surface datum, several days in June; lowest, 37.75 ft below land-surface datum, April 30.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	37.71	36.87	36.76	36.99	37.26
2	---	---	---	---	---	---	---	37.67	36.86	36.75	36.93	37.27
3	---	---	---	---	---	---	---	37.65	36.84	36.75	36.87	37.27
4	---	---	---	---	---	---	---	37.61	36.79	36.76	36.80	37.25
5	---	---	---	---	---	---	---	37.53	36.76	36.78	36.76	37.26
6	---	---	---	---	---	---	---	37.48	36.76	36.81	36.75	37.27
7	---	---	---	---	---	---	---	37.45	36.74	36.84	36.75	37.27
8	---	---	---	---	---	---	---	37.43	36.73	36.85	36.75	37.29
9	---	---	---	---	---	---	---	37.40	36.72	36.87	36.77	37.32
10	---	---	---	---	---	---	---	37.37	36.74	36.89	36.79	37.32
11	---	---	---	---	---	---	---	37.33	36.72	36.86	36.82	37.33
12	---	---	---	---	---	---	---	37.28	36.73	36.88	36.86	37.35
13	---	---	---	---	---	---	---	37.26	36.72	36.92	36.90	37.36
14	---	---	---	---	---	---	---	37.25	36.70	36.95	36.92	37.37
15	---	---	---	---	---	---	---	37.24	36.71	36.94	36.92	37.38
16	---	---	---	---	---	---	---	37.22	36.75	36.92	36.90	37.39
17	---	---	---	---	---	---	---	37.19	36.73	36.96	36.94	37.42
18	---	---	---	---	---	---	---	37.16	36.70	36.96	36.98	37.44
19	---	---	---	---	---	---	---	37.14	36.69	36.97	37.01	37.43
20	---	---	---	---	---	---	---	37.11	36.71	36.99	37.02	37.46
21	---	---	---	---	---	---	---	37.10	36.71	36.98	37.02	37.49
22	---	---	---	---	---	---	---	37.09	36.70	36.97	37.02	37.49
23	---	---	---	---	---	---	---	37.08	36.70	36.95	37.06	37.47
24	---	---	---	---	---	---	---	37.06	36.72	36.94	37.09	37.52
25	---	---	---	---	---	---	---	37.06	36.71	36.96	37.09	37.53
26	---	---	---	---	---	---	---	37.05	36.70	36.94	37.10	37.55
27	---	---	---	---	---	---	---	37.03	36.70	36.89	37.13	37.56
28	---	---	---	---	---	---	---	36.99	36.74	36.91	37.17	37.56
29	---	---	---	---	---	---	---	36.95	36.75	36.94	37.19	37.58
30	---	---	---	---	---	---	m 37.75	36.92	36.76	36.99	37.22	37.60
31	---	---	---	---	---	---	---	36.90	---	37.00	37.25	---
MEAN	---	---	---	---	---	---	---	37.25	36.74	36.90	36.96	37.40
MAX	---	---	---	---	---	---	---	37.71	36.87	37.00	37.25	37.60
MIN	---	---	---	---	---	---	---	36.90	36.69	36.75	36.75	37.25

m Instantaneous measurement

RENSSELAER COUNTY -- Re 703—Continued



ROCKLAND COUNTY -- Ro 18

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 2002 to current year.

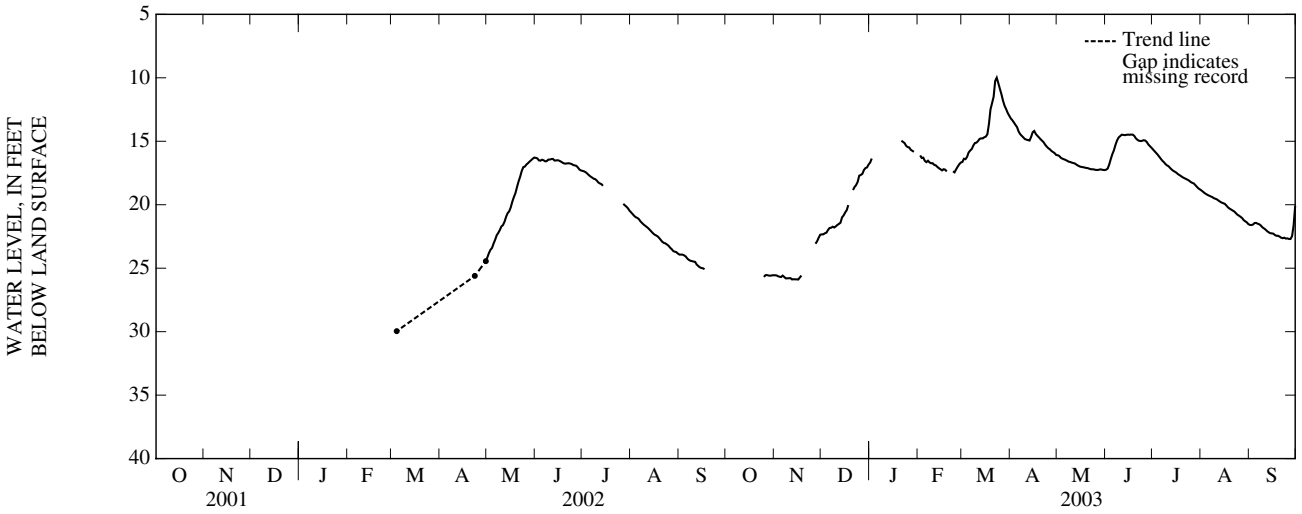
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.32 ft below land-surface datum, Apr. 6, 1984; lowest, 33.02 ft below land-surface datum, Feb. 6, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 9.89 ft below land-surface datum, Mar. 23; lowest recorded, 25.90 ft below land-surface datum, Nov. 12, 16.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	25.56	22.33	16.67	---	16.63	13.20	16.10	17.24	15.65	18.88	21.59
2	---	25.57	22.33	16.36	16.12	16.38	13.35	16.16	17.15	15.78	18.98	21.60
3	---	25.63	22.25	---	16.32	16.41	13.52	16.30	16.82	15.92	19.08	21.56
4	---	25.67	22.20	---	16.29	16.23	13.71	16.37	16.40	16.06	19.16	21.44
5	---	25.70	21.99	---	16.55	15.89	13.89	16.42	16.01	16.22	19.23	21.43
6	---	25.58	21.83	---	16.64	15.73	14.23	16.47	15.70	16.38	19.29	21.50
7	---	25.69	21.81	---	16.53	15.61	14.44	16.53	15.28	16.53	19.35	21.54
8	---	25.80	21.73	---	16.67	15.34	14.57	16.60	14.94	16.65	19.40	21.64
9	---	25.80	21.79	---	16.73	15.14	14.70	16.63	14.71	16.80	19.49	21.78
10	---	25.79	21.71	---	16.73	15.11	14.82	16.68	14.59	16.90	19.53	21.86
11	---	25.78	21.59	---	16.86	14.99	14.87	16.72	14.48	16.97	19.59	21.96
12	---	25.89	21.51	---	16.90	14.82	14.91	16.75	14.50	17.11	19.68	22.08
13	---	25.87	21.42	---	17.02	14.77	14.94	16.84	14.52	17.23	19.77	22.17
14	---	25.88	20.99	---	17.12	14.77	14.66	16.92	14.49	17.33	19.83	22.24
15	---	25.88	20.85	---	17.20	14.69	14.29	16.98	14.48	17.40	19.88	22.26
16	---	25.89	20.61	---	17.29	14.63	14.19	17.02	14.49	17.48	19.94	22.28
17	---	25.73	20.43	---	17.20	14.45	14.42	17.04	14.47	17.59	20.07	22.38
18	---	25.58	20.03	---	17.24	13.65	14.57	17.06	14.48	17.67	20.21	22.45
19	---	---	---	---	17.38	12.50	14.69	17.10	14.57	17.75	20.30	22.45
20	---	---	---	---	---	12.00	14.84	17.11	14.76	17.84	20.38	22.51
21	---	---	18.84	14.95	---	11.50	14.95	17.15	14.88	17.90	20.46	22.60
22	---	---	18.61	15.05	---	10.25	15.08	17.20	14.96	17.96	20.53	22.64
23	---	---	18.45	15.14	17.37	9.99	15.27	17.21	14.98	18.02	20.66	22.60
24	---	---	18.20	15.36	17.45	10.41	15.42	17.21	14.97	18.09	20.78	22.66
25	25.69	---	17.71	15.46	17.21	10.87	15.55	17.25	14.91	18.20	20.86	22.65
26	25.55	---	17.66	15.49	17.00	11.30	15.63	17.26	14.94	18.27	20.95	22.70
27	25.55	23.07	17.57	15.68	16.82	11.80	15.76	17.26	15.05	18.32	21.05	22.70
28	25.58	22.89	17.26	15.75	16.68	12.20	15.85	17.22	15.25	18.44	21.21	22.47
29	25.59	22.61	17.11	15.83	---	12.47	15.93	17.22	15.38	18.58	21.30	21.62
30	25.57	22.37	17.06	---	---	12.76	16.08	17.26	15.51	18.71	21.39	20.08
31	25.56	---	16.83	---	---	12.99	---	17.27	---	18.79	21.53	---
MEAN	---	---	---	---	---	13.75	14.74	16.88	15.16	17.37	20.09	22.05
MAX	---	---	---	---	---	16.63	16.08	17.27	17.24	18.79	21.53	22.70
MIN	---	---	---	---	---	9.99	13.20	16.10	14.47	15.65	18.88	20.08

ROCKLAND COUNTY -- Ro 18—Continued



ST. LAWRENCE COUNTY -- St 40

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, 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.

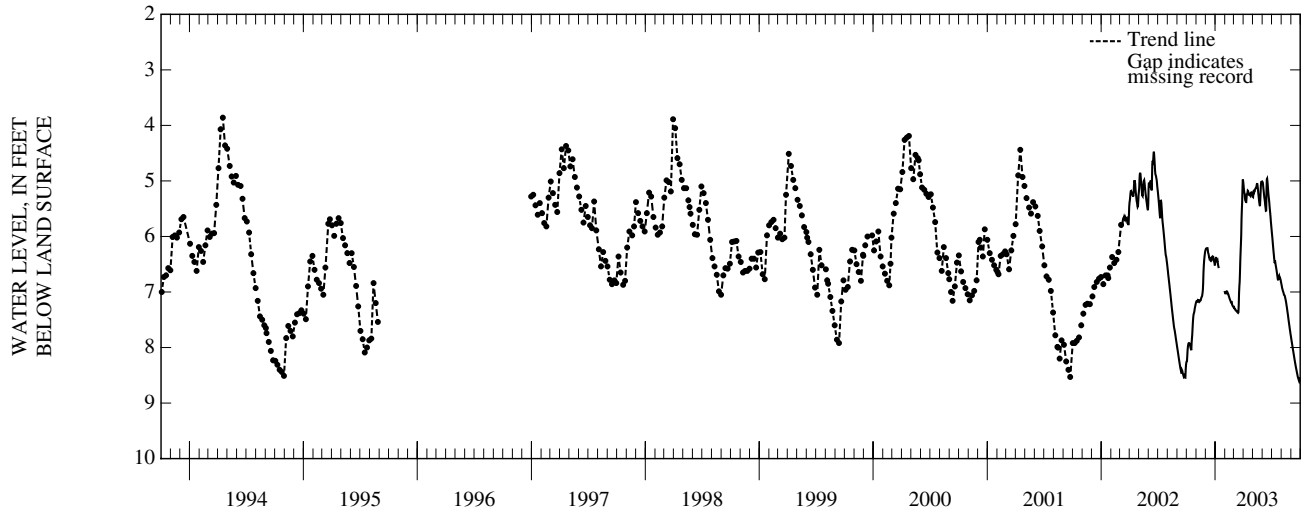
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.24 ft below land-surface datum, Apr. 21, 1971; lowest, 9.38 ft below land-surface datum, Oct. 24, 1964.

EXTREMES FOR CURRENT YEAR.--Highest water level, 4.95 ft below land-surface datum, June 15, 16; lowest, 8.62 ft below land-surface datum, Sept. 27, 28.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.25	7.17	6.24	6.44	7.01	7.28	5.05	5.28	5.02	5.92	6.86	7.83
2	8.25	7.16	6.22	6.41	7.02	7.28	5.12	5.29	5.03	5.98	6.89	7.86
3	8.16	7.16	6.22	6.39	7.04	7.30	5.17	5.22	5.07	6.04	6.93	7.90
4	8.06	7.16	6.21	6.39	7.01	7.30	5.22	5.18	5.13	6.11	6.95	7.94
5	7.99	7.17	6.21	6.42	7.02	7.30	5.23	5.17	5.18	6.17	6.97	7.97
6	7.95	7.15	6.21	6.44	7.01	7.32	5.31	5.20	5.24	6.24	6.99	8.01
7	7.93	7.16	6.21	6.45	6.99	7.33	5.35	5.18	5.29	6.30	7.00	8.04
8	7.92	7.15	6.25	6.44	6.99	7.33	5.36	5.15	5.33	6.36	7.02	8.08
9	7.92	7.15	6.30	6.48	7.01	7.33	5.38	5.15	5.38	6.42	7.05	8.11
10	7.92	7.15	6.31	6.52	7.02	7.35	5.38	5.13	5.45	6.48	7.06	8.15
11	7.94	7.15	6.34	6.54	7.04	7.35	5.31	5.13	5.48	6.46	7.06	8.18
12	7.96	7.17	6.37	6.57	7.05	7.35	5.25	5.12	5.54	6.46	7.08	8.22
13	7.99	7.16	6.39	---	7.07	7.37	5.23	5.09	5.53	6.50	7.11	8.25
14	8.01	7.16	6.38	---	7.09	7.37	5.22	5.06	5.17	6.53	7.13	8.28
15	8.03	7.15	6.39	---	7.11	7.38	5.18	5.04	4.97	6.57	7.16	8.32
16	8.05	7.13	6.40	---	7.12	7.37	5.18	5.07	4.96	6.60	7.19	8.35
17	7.92	7.11	6.43	---	7.14	7.24	5.22	5.12	5.01	6.64	7.23	8.38
18	7.84	7.09	6.44	---	7.15	7.02	5.22	5.18	5.08	6.68	7.27	8.41
19	7.77	7.08	6.43	---	7.17	6.89	5.25	5.24	5.16	6.72	7.31	8.43
20	7.66	7.06	6.42	---	7.19	6.82	5.25	5.29	5.23	6.76	7.35	8.46
21	7.55	7.02	6.38	---	7.19	6.65	5.25	5.35	5.29	6.79	7.39	8.49
22	7.47	6.96	6.36	---	7.20	6.45	5.25	5.39	5.34	6.74	7.43	8.52
23	7.42	6.84	6.36	---	7.19	6.28	5.26	5.43	5.40	6.72	7.47	8.54
24	7.39	6.65	6.38	---	7.23	6.13	5.24	5.45	5.47	6.73	7.52	8.56
25	7.37	6.53	6.36	---	7.24	5.97	5.21	5.36	5.53	6.71	7.56	8.58
26	7.34	6.45	6.40	---	7.25	5.69	5.21	5.22	5.59	6.73	7.60	8.59
27	7.30	6.38	6.44	---	7.26	5.51	5.21	5.08	5.66	6.76	7.64	8.61
28	7.27	6.33	6.44	---	7.27	5.37	5.20	5.02	5.73	6.76	7.68	8.60
29	7.24	6.29	6.47	---	---	5.14	5.24	5.01	5.80	6.78	7.72	8.55
30	7.22	6.25	6.51	6.98	---	4.97	5.28	5.01	5.86	6.81	7.76	8.54
31	7.19	---	6.51	7.00	---	5.00	---	5.01	---	6.83	7.79	---
MEAN	7.75	6.95	6.35	---	7.11	6.72	5.24	5.18	5.33	6.53	7.26	8.29
MAX	8.25	7.17	6.51	---	7.27	7.38	5.38	5.45	5.86	6.83	7.79	8.61
MIN	7.19	6.25	6.21	---	6.99	4.97	5.05	5.01	4.96	5.92	6.86	7.83

ST. LAWRENCE COUNTY -- St 40—Continued



SARATOGA COUNTY -- Sa 1100

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 January 2003, discontinued.

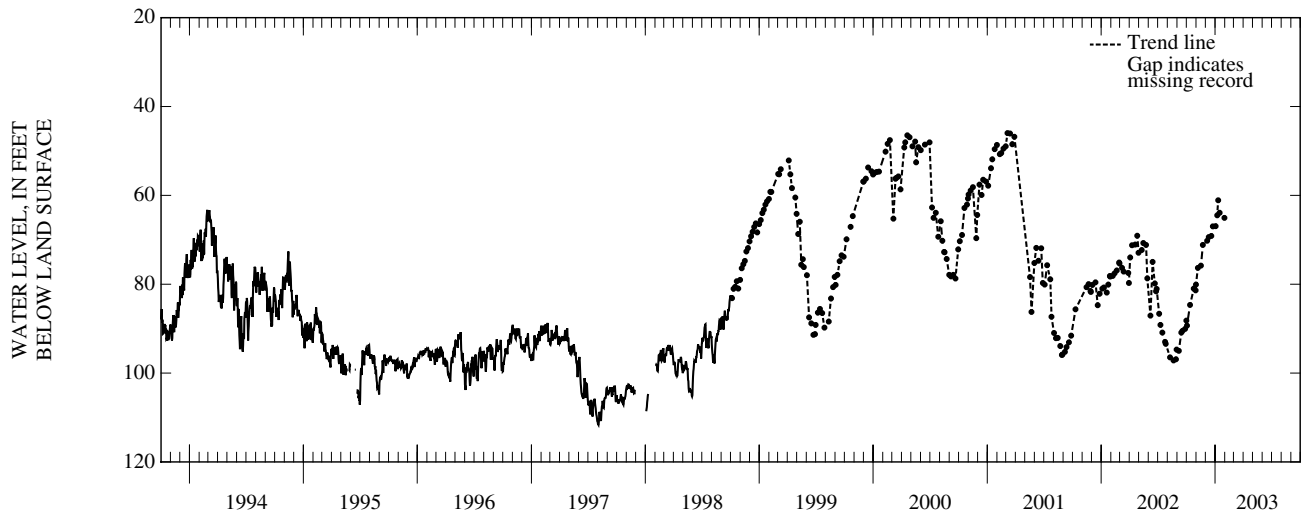
EXTREMES OUTSIDE PERIOD OF RECORD.--Highest water level measured, 5.52 ft below land-surface datum, June 1, 1973, initial water level after construction completion, prior to pumping affect.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	89.32	OCT 30	81.39	NOV 16	75.82	DEC 11	69.40	JAN 02	66.95	JAN 15	63.90
12	84.65	31	80.07	22	71.15	19	69.15	07	64.48	30	65.07
24	80.98	NOV 06	76.32	DEC 06	70.23	24	66.98	10	61.09		

WATER YEAR 2003 HIGHEST 61.09 JAN 10, 2003 LOWEST 89.32 OCT 02, 2002



SARATOGA COUNTY -- Sa 1285

425048073472501. Local number, Sa 1285.

LOCATION.--Lat 42°50'47", long 73°47'27", Hydrologic Unit 02020004, at Clifton Park.
Owner: Clifton Park Water Authority.

AQUIFER.--Water-table aquifer in sand of Pleistocene age.

WELL CHARACTERISTICS.--Bored observation well, diameter 2 in., depth 15.2 ft, cased to 10.2 ft (screen, 10.2 ft to 15.2 ft).

INSTRUMENTATION.--Water-stage recorder--hourly. Prior to December 2002, calibrated pressure gage.

DATUM.--Elevation of land-surface datum is 295 ft above NGVD of 1929, from topographic map. Measuring point: Top of extended casing, 4.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1994, May 1996 to March 1998, December 2002 to September 2003. Records prior to December 2002 are unpublished and available in files of the Geological Survey.

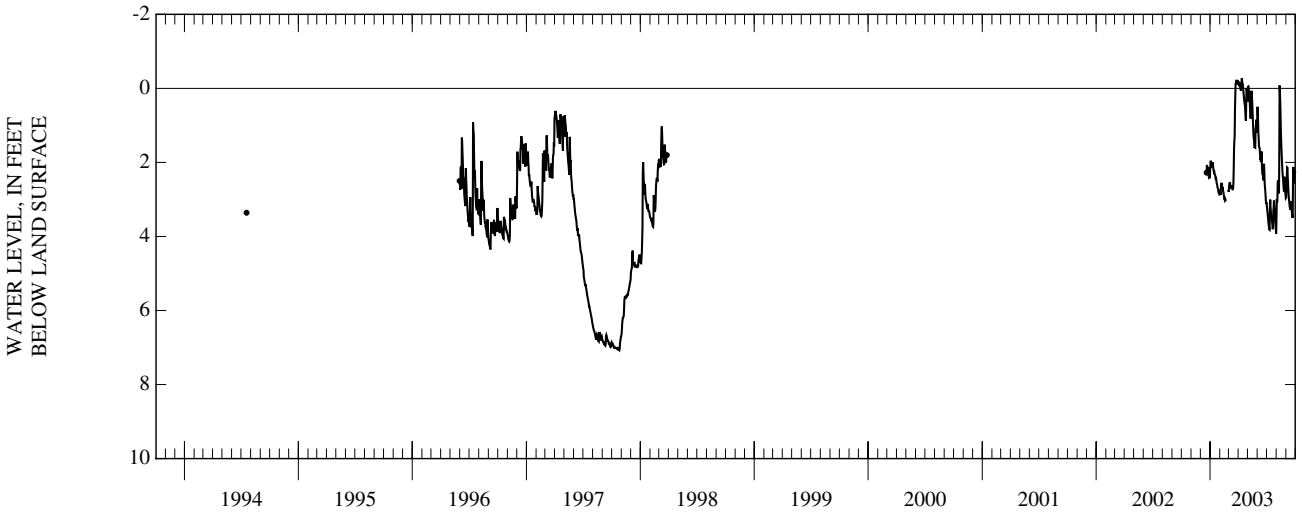
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.32 ft above land-surface datum, Apr. 12, 2003; lowest, 7.07 ft below land-surface datum, Oct. 25, 1997.

EXTREMES FOR CURRENT PERIOD (December to September).--Highest water level, 0.32 ft above land-surface datum, Apr. 12; lowest, 3.95 ft below land-surface datum, July 31, Aug. 1.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	2.07	2.81	2.80	-0.13	0.35	0.50	3.17	3.52	2.95
2	---	---	---	1.96	2.82	2.65	-0.11	-0.05	0.57	3.25	2.99	2.58
3	---	---	---	1.98	2.88	2.56	-0.16	-0.05	0.88	3.33	3.09	2.51
4	---	---	---	2.01	2.66	2.55	-0.15	0.03	1.20	3.42	2.99	2.13
5	---	---	---	2.11	2.55	2.53	-0.11	0.12	1.36	3.51	2.51	2.14
6	---	---	---	2.10	2.59	2.64	-0.06	0.20	1.57	3.61	2.49	2.38
7	---	---	---	2.08	2.55	2.66	-0.02	0.33	1.59	3.69	2.59	2.54
8	---	---	---	2.00	2.65	2.64	0.02	0.48	1.61	3.74	2.71	2.74
9	---	---	---	2.06	2.70	2.64	0.07	0.64	1.74	3.81	2.83	2.89
10	---	---	---	2.13	2.67	2.67	-0.02	0.81	1.92	3.82	1.78	2.97
11	---	---	---	2.18	2.79	2.68	-0.18	0.69	1.89	3.20	-0.08	3.08
12	---	---	---	2.23	2.80	2.70	-0.28	0.11	1.99	3.00	0.10	3.17
13	---	---	---	2.21	2.89	2.73	-0.19	0.06	1.94	3.19	0.35	3.22
14	---	---	---	2.28	2.94	2.73	-0.14	0.15	1.70	3.33	0.70	3.24
15	---	---	---	2.31	2.99	2.69	-0.12	0.33	2.01	3.44	1.12	3.28
16	---	---	---	2.35	3.01	2.57	-0.02	0.55	2.24	3.47	1.40	3.04
17	---	---	---	2.36	2.97	2.16	0.08	0.79	2.31	3.53	1.63	3.13
18	---	---	---	2.43	2.99	1.62	0.18	1.02	2.31	3.61	1.85	3.28
19	---	---	---	2.42	3.05	1.41	0.27	1.20	2.38	3.70	2.05	3.30
20	---	---	2.28	2.45	---	1.29	0.35	1.33	2.48	3.80	2.23	3.41
21	---	---	2.07	2.55	---	0.58	0.43	1.39	2.37	3.75	2.36	3.47
22	---	---	2.12	2.58	---	0.21	0.46	1.54	2.04	3.30	2.43	3.50
23	---	---	2.12	2.61	---	-0.13	0.62	1.61	2.26	3.21	2.57	2.50
24	---	---	2.18	2.68	---	-0.15	0.76	1.58	2.53	3.03	2.71	2.12
25	---	---	2.14	2.70	---	-0.21	0.88	1.59	2.66	3.15	2.78	2.32
26	---	---	2.33	2.72	---	-0.21	0.39	1.09	2.76	3.30	2.70	2.47
27	---	---	2.38	2.79	---	-0.15	-0.01	1.04	2.89	3.39	2.39	2.57
28	---	---	2.35	2.78	2.74	-0.11	0.03	0.88	3.04	3.54	2.69	2.32
29	---	---	2.40	2.81	---	-0.16	0.14	0.85	3.12	3.69	2.79	2.22
30	---	---	2.43	2.86	---	-0.22	0.30	1.14	3.08	3.83	2.87	2.28
31	---	---	2.32	2.85	---	-0.18	---	1.19	---	3.92	2.96	---
MEAN	---	---	---	2.38	---	1.55	0.11	0.74	2.03	3.48	2.20	2.79
MAX	---	---	---	2.86	---	2.80	0.88	1.61	3.12	3.92	3.52	3.50
MIN	---	---	---	1.96	---	-0.22	-0.28	-0.05	0.50	3.00	-0.08	2.12

SARATOGA COUNTY -- Sa 1285—Continued



SULLIVAN COUNTY -- Sv 535

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, 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 points: Top of casing, 0.86 ft above land-surface datum; top of shelter shelf, 2.81 ft above land-surface datum.

PERIOD OF RECORD.--May 2001 to current year.

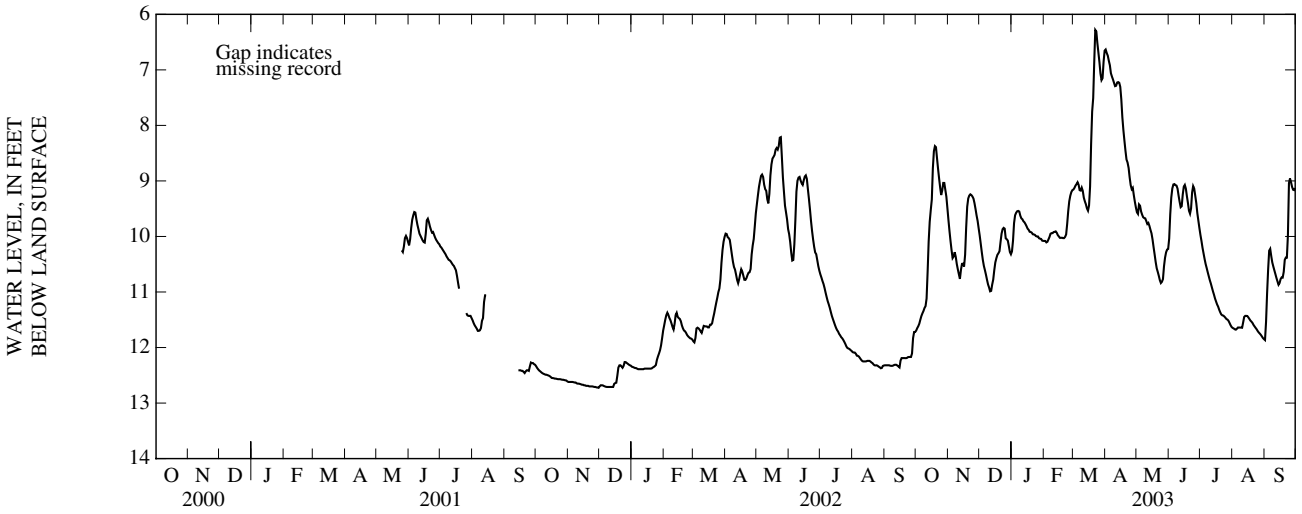
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.22 ft below land-surface datum, Mar. 22, 23, 2003; lowest, 12.73 ft below land-surface datum, Nov. 30, Dec. 1, 2001.

EXTREMES FOR CURRENT YEAR.--Highest water level, 6.22 ft below land-surface datum, Mar. 22, 23; lowest, 11.87 ft below land-surface datum, Sept. 1.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.69	9.71	9.98	10.27	10.08	9.16	6.63	9.56	10.04	9.97	11.65	11.87
2	11.65	9.90	10.13	10.08	10.08	9.12	6.70	9.59	9.60	10.08	11.66	11.54
3	11.62	10.08	10.28	9.76	10.11	9.08	6.74	9.42	9.30	10.21	11.67	11.03
4	11.57	10.25	10.42	9.62	10.10	9.06	6.83	9.45	9.14	10.31	11.68	10.60
5	11.50	10.39	10.53	9.57	10.05	9.02	6.92	9.55	9.06	10.41	11.66	10.26
6	11.43	10.36	10.61	9.55	10.01	9.07	7.06	9.61	9.06	10.50	11.64	10.22
7	11.38	10.28	10.69	9.54	9.95	9.17	7.12	9.65	9.07	10.57	11.64	10.35
8	11.34	10.37	10.78	9.55	9.94	9.17	7.17	9.67	9.08	10.64	11.64	10.47
9	11.29	10.50	10.86	9.62	9.94	9.12	7.23	9.67	9.14	10.72	11.64	10.54
10	11.25	10.59	10.92	9.67	9.92	9.18	7.29	9.72	9.26	10.79	11.64	10.61
11	11.12	10.68	10.99	9.69	9.92	9.30	7.29	9.78	9.38	10.85	11.55	10.68
12	10.64	10.76	10.98	9.73	9.91	9.37	7.23	9.76	9.47	10.92	11.45	10.75
13	10.09	10.60	10.87	9.75	9.93	9.42	7.22	9.81	9.46	10.99	11.43	10.81
14	9.74	10.49	10.78	9.78	9.98	9.50	7.23	9.88	9.25	11.05	11.43	10.87
15	9.52	10.49	10.61	9.82	10.0	9.54	7.31	9.94	9.10	11.12	11.43	10.84
16	9.33	10.54	10.47	9.86	10.02	9.44	7.53	10.05	9.07	11.17	11.46	10.77
17	8.77	10.33	10.39	9.88	10.03	9.10	7.85	10.19	9.14	11.22	11.49	10.74
18	8.47	9.84	10.33	9.92	10.02	8.33	8.08	10.33	9.28	11.26	11.51	10.74
19	8.37	9.46	10.30	9.92	10.03	7.75	8.28	10.46	9.40	11.32	11.53	10.64
20	8.39	9.32	10.27	9.93	10.03	7.51	8.46	10.57	9.54	11.37	11.56	10.42
21	8.59	9.26	10.10	9.96	10.01	6.86	8.61	10.64	9.59	11.40	11.59	10.38
22	8.78	9.24	9.95	9.96	9.96	6.28	8.67	10.71	9.50	11.42	11.62	10.38
23	8.95	9.25	9.87	9.97	9.78	6.31	8.77	10.79	9.21	11.43	11.65	9.98
24	9.12	9.28	9.85	9.99	9.54	6.52	8.93	10.84	9.09	11.44	11.67	9.04
25	9.25	9.32	9.86	10.00	9.37	6.69	9.08	10.82	9.14	11.46	11.70	8.96
26	9.17	9.40	10.03	10.00	9.27	6.86	9.15	10.77	9.26	11.49	11.73	9.02
27	9.04	9.51	10.05	10.03	9.20	7.07	9.12	10.54	9.40	11.50	11.75	9.11
28	9.04	9.62	10.08	10.04	9.17	7.18	9.26	10.38	9.58	11.52	11.77	9.16
29	9.16	9.72	10.17	10.04	---	7.15	9.37	10.29	9.72	11.56	11.80	9.17
30	9.28	9.85	10.28	10.08	---	6.85	9.48	10.24	9.85	11.60	11.83	9.13
31	9.49	---	10.32	10.08	---	6.65	---	10.23	---	11.63	11.85	---
MEAN	9.97	9.98	10.38	9.86	9.87	8.22	7.89	10.09	9.34	11.03	11.62	10.30
MAX	11.69	10.76	10.99	10.27	10.11	9.54	9.48	10.84	10.04	11.63	11.85	11.87
MIN	8.37	9.24	9.85	9.54	9.17	6.28	6.63	9.42	9.06	9.97	11.43	8.96

SULLIVAN COUNTY -- Sv 535—Continued



ULSTER COUNTY -- U 1619

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 2002 to current year.

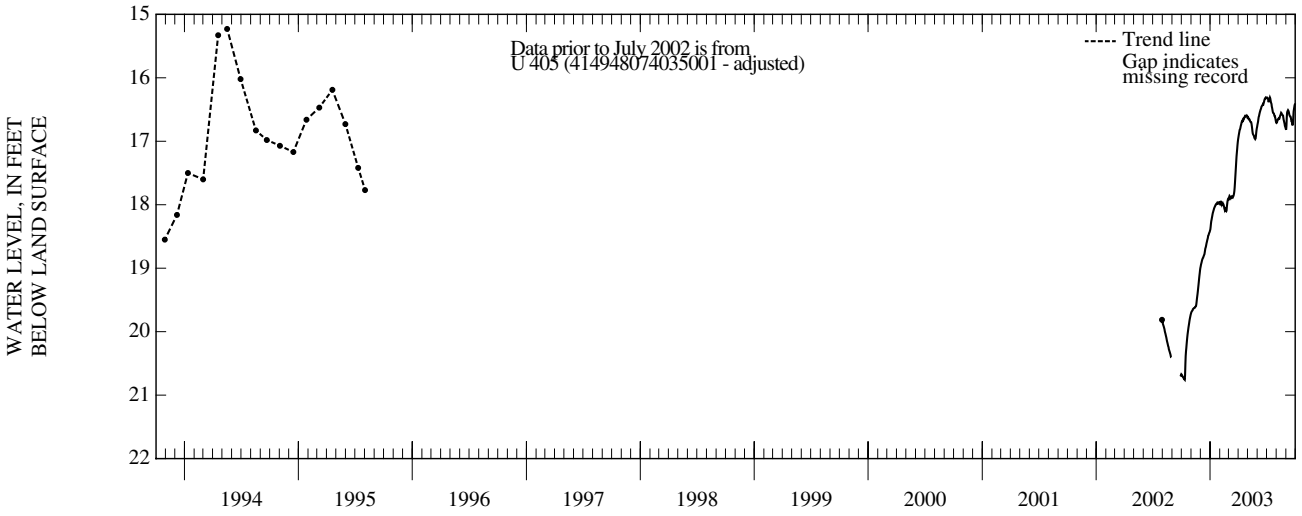
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.31 ft below land-surface datum, June 27, 30, July 1, 2, 3, 11, 12, 2003; lowest, 20.76 ft below land-surface datum, Oct. 10, 11, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level, 16.31 ft below land-surface datum, June 27, 30, July 1, 2, 3, 11, 12; lowest, 20.76 ft below land-surface datum, Oct. 10, 11.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.68	19.70	18.97	18.39	17.96	17.90	16.94	16.62	16.74	16.32	16.71	16.82
2	20.69	19.69	18.95	18.35	17.95	17.88	16.91	16.62	16.72	16.31	16.71	16.75
3	20.70	19.68	18.93	18.30	17.97	17.90	16.88	16.64	16.69	16.31	16.70	16.62
4	20.70	19.67	18.91	18.26	17.95	17.90	16.85	16.65	16.65	16.32	16.67	16.55
5	20.72	19.66	18.88	18.24	17.99	17.88	16.82	16.66	16.62	16.34	16.66	16.53
6	20.72	19.65	18.87	18.21	18.00	17.89	16.81	16.65	16.60	16.36	16.65	16.52
7	20.73	19.64	18.85	18.18	17.98	17.89	16.80	16.66	16.58	16.38	16.64	16.51
8	20.74	19.64	18.84	18.15	17.98	17.88	16.77	16.68	16.56	16.37	16.64	16.52
9	20.75	19.63	18.84	18.13	17.99	17.88	16.75	16.69	16.54	16.34	16.65	16.53
10	20.75	19.63	18.82	18.11	17.98	17.89	16.73	16.70	16.52	16.33	16.65	16.55
11	20.76	19.63	18.81	18.09	17.99	17.88	16.71	16.70	16.50	16.31	16.63	16.58
12	20.69	19.62	18.79	18.08	18.00	17.87	16.69	16.70	16.49	16.32	16.61	16.59
13	20.51	19.61	18.78	18.06	18.01	17.88	16.69	16.73	16.47	16.35	16.60	16.60
14	20.38	19.61	18.75	18.05	18.03	17.88	16.68	16.76	16.46	16.38	16.58	16.61
15	20.31	19.60	18.72	18.03	18.05	17.87	16.66	16.80	16.45	16.40	16.57	16.61
16	20.26	19.60	18.69	18.03	18.08	17.86	16.65	16.84	16.44	16.41	16.55	16.63
17	20.20	19.57	18.67	18.01	18.06	17.85	16.66	16.88	16.43	16.45	16.56	16.66
18	20.14	19.53	18.65	18.01	18.07	17.82	16.65	16.89	16.42	16.47	16.57	16.68
19	20.09	19.49	18.63	17.99	18.09	17.78	16.64	16.90	16.41	16.50	16.58	16.68
20	20.05	19.44	18.60	17.99	18.10	17.73	16.63	16.91	16.42	16.53	16.58	16.71
21	20.01	19.41	18.58	17.99	18.10	17.65	16.62	16.92	16.40	16.55	16.59	16.74
22	19.97	19.36	18.56	17.98	18.09	17.57	16.60	16.94	16.38	16.56	16.59	16.75
23	19.93	19.31	18.54	17.97	18.03	17.49	16.61	16.95	16.36	16.56	16.63	16.70
24	19.90	19.27	18.52	17.98	17.99	17.40	16.61	16.96	16.34	16.57	16.66	16.61
25	19.87	19.22	18.49	17.97	17.95	17.32	16.60	16.96	16.33	16.59	16.68	16.53
26	19.83	19.17	18.48	17.97	17.92	17.24	16.60	16.96	16.32	16.60	16.70	16.50
27	19.81	19.12	18.47	17.97	17.91	17.18	16.60	16.92	16.31	16.61	16.72	16.47
28	19.78	19.08	18.45	17.97	17.90	17.12	16.60	16.87	16.32	16.63	16.76	16.43
29	19.76	19.03	18.44	17.96	---	17.06	16.60	16.83	16.32	16.65	16.77	16.42
30	19.73	19.00	18.43	17.98	---	17.01	16.62	16.79	16.32	16.68	16.79	16.40
31	19.71	---	18.41	17.97	---	16.97	---	16.77	---	16.70	16.81	---
MEAN	20.29	19.48	18.69	18.08	18.00	17.66	16.70	16.79	16.47	16.46	16.65	16.59
MAX	20.76	19.70	18.97	18.39	18.10	17.90	16.94	16.96	16.74	16.70	16.81	16.82
MIN	19.71	19.00	18.41	17.96	17.90	16.97	16.60	16.62	16.31	16.31	16.55	16.40

ULSTER COUNTY -- U 1619—Continued



WASHINGTON COUNTY -- W 533

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 2002 to current year. Records prior to October 1976 are unpublished and available in files of the Geological Survey.

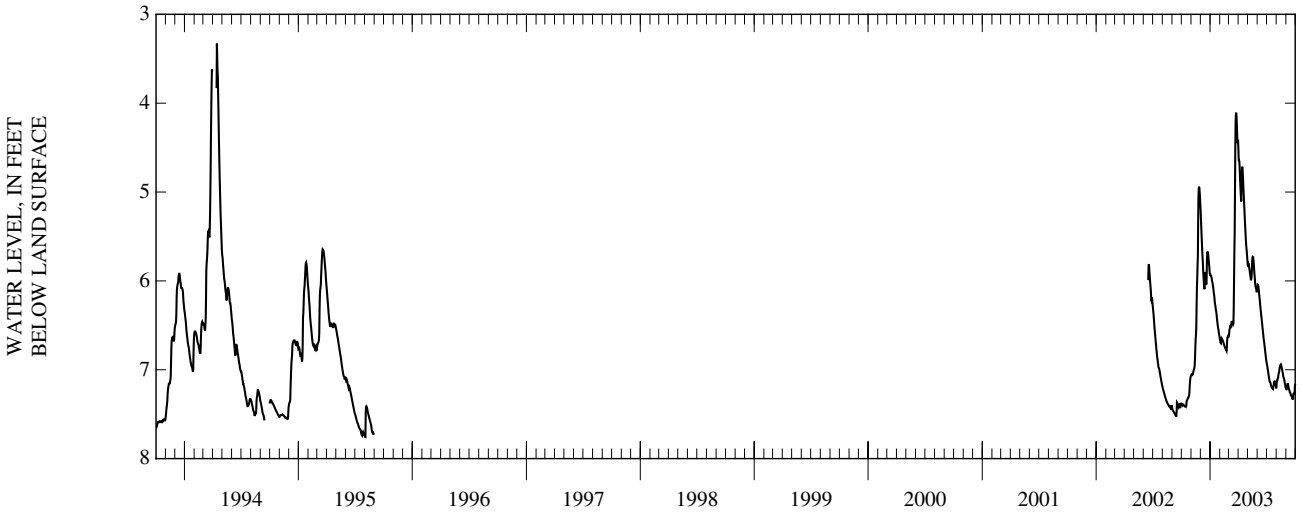
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.30 ft below land-surface datum, Apr. 14, 1994, but may have been higher during period of no water level record all or part of each day Mar. 30 to Apr. 4, 1993, Mar. 31 to Apr. 11, 1994; lowest water level, 7.77 ft below land-surface datum, Aug. 3, 1995.

EXTREMES FOR CURRENT YEAR.--Highest water level, 4.10 ft below land-surface datum, Mar. 24, 25; lowest, 7.42 ft below land-surface datum, Oct. 11, 12, 15.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.39	7.06	5.22	5.94	6.66	6.62	4.53	5.82	6.07	6.93	7.19	7.22
2	7.39	7.06	5.30	5.93	6.68	6.61	4.64	5.84	6.04	6.95	7.13	7.22
3	7.39	7.05	5.40	5.94	6.70	6.56	4.64	5.81	6.04	6.97	7.12	7.22
4	7.40	7.05	5.49	5.95	6.70	6.54	4.66	5.81	6.06	6.99	7.12	7.20
5	7.39	7.06	5.57	5.97	6.65	6.53	4.72	5.84	6.09	7.02	7.10	7.17
6	7.39	7.05	5.66	5.99	6.64	6.51	4.83	5.86	6.13	7.04	7.10	7.15
7	7.39	7.03	5.73	6.01	6.65	6.50	4.92	5.89	6.17	7.07	7.06	7.17
8	7.40	7.01	5.79	6.02	6.66	6.51	4.98	5.91	6.20	7.09	7.04	7.18
9	7.40	7.00	5.88	6.05	6.66	6.49	5.05	5.93	6.24	7.11	7.03	7.20
10	7.41	6.99	5.94	6.07	6.68	6.46	5.11	5.96	6.28	7.13	7.02	7.22
11	7.41	6.98	6.00	6.10	6.68	6.46	4.94	5.99	6.31	7.14	6.98	7.23
12	7.41	6.95	6.05	6.13	6.69	6.46	4.78	5.98	6.35	7.14	6.97	7.24
13	7.41	6.86	6.09	6.16	6.71	6.46	4.71	5.96	6.38	7.15	6.96	7.26
14	7.41	6.74	6.03	6.18	6.72	6.48	4.74	5.88	6.41	7.17	6.95	7.26
15	7.41	6.65	5.90	6.23	6.73	6.49	4.79	5.79	6.45	7.18	6.94	7.27
16	7.40	6.61	5.92	6.26	6.74	6.48	4.86	5.74	6.48	7.19	6.95	7.28
17	7.36	6.52	5.96	6.28	6.75	6.32	4.95	5.73	6.52	7.20	6.96	7.29
18	7.35	6.27	6.01	6.31	6.76	5.99	5.03	5.73	6.55	7.21	6.98	7.30
19	7.34	6.09	6.04	6.33	6.77	5.67	5.10	5.76	6.59	7.21	7.00	7.30
20	7.33	5.98	6.00	6.35	6.78	5.47	5.18	5.80	6.62	7.22	7.01	7.32
21	7.32	5.83	5.78	6.38	6.78	5.00	5.25	5.85	6.65	7.22	7.03	7.33
22	7.32	5.73	5.69	6.42	6.79	4.52	5.34	5.91	6.68	7.19	7.06	7.34
23	7.31	5.33	5.67	6.45	6.74	4.21	5.41	5.95	6.71	7.18	7.08	7.31
24	7.30	5.04	5.68	6.48	6.66	4.12	5.48	5.99	6.74	7.14	7.09	7.27
25	7.29	4.96	5.70	6.51	6.63	4.11	5.54	6.04	6.77	7.13	7.10	7.27
26	7.25	4.94	5.74	6.53	6.63	4.15	5.60	6.07	6.80	7.13	7.11	7.27
27	7.18	4.96	5.78	6.55	6.62	4.24	5.64	6.08	6.83	7.14	7.14	7.27
28	7.12	5.01	5.82	6.58	6.61	4.36	5.68	6.09	6.86	7.16	7.16	7.26
29	7.10	5.07	5.86	6.60	---	4.45	5.73	6.11	6.89	7.17	7.18	7.19
30	7.08	5.14	5.91	6.62	---	4.44	5.78	6.13	6.91	7.19	7.19	7.16
31	7.07	---	5.94	6.64	---	4.43	---	6.10	---	7.21	7.21	---
MEAN	7.33	6.27	5.79	6.26	6.70	5.67	5.09	5.91	6.46	7.13	7.06	7.25
MAX	7.41	7.06	6.09	6.64	6.79	6.62	5.78	6.13	6.91	7.22	7.21	7.34
MIN	7.07	4.94	5.22	5.93	6.61	4.11	4.53	5.73	6.04	6.93	6.94	7.15

WASHINGTON COUNTY -- W 533—Continued



WESTCHESTER COUNTY -- We 5020

411421073481202. Local number, We 5020.

LOCATION.--Lat 41°14'21", long 73°48'12", Hydrologic Unit 02030101, near Yorktown Heights.
Owner: New York City Department of Environmental Protection

AQUIFER.--Water-table aquifer in sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 24 ft (screen, 9 ft to 24 ft).

INSTRUMENTATION.--Water-stage recorder--hourly.

DATUM.--Elevation of land-surface datum is 250 ft above NGVD of 1929, from topographic map. Measuring point: Top of extended casing, 3.40 ft above land-surface datum.

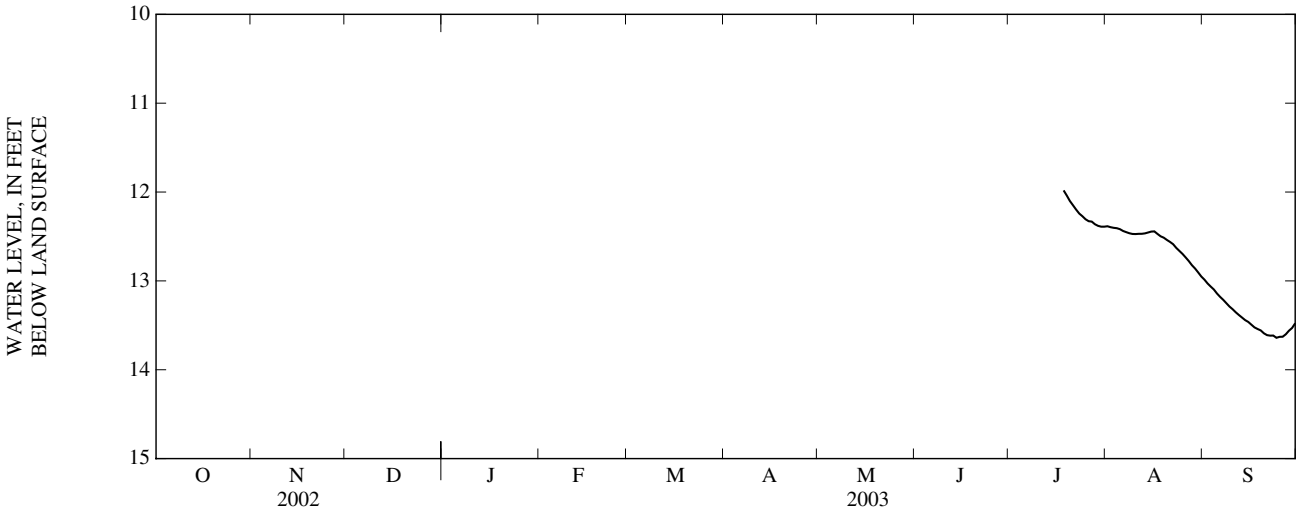
PERIOD OF RECORD.--July to September 2003.

EXTREMES FOR CURRENT PERIOD (July to September).--Highest water level, 11.94 ft below land-surface datum, July 17; lowest, 13.65 ft below land-surface datum, Sept. 24.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	12.38	12.99
2	---	---	---	---	---	---	---	---	---	---	12.40	13.03
3	---	---	---	---	---	---	---	---	---	---	12.40	13.06
4	---	---	---	---	---	---	---	---	---	---	12.41	13.10
5	---	---	---	---	---	---	---	---	---	---	12.42	13.14
6	---	---	---	---	---	---	---	---	---	---	12.44	13.18
7	---	---	---	---	---	---	---	---	---	---	12.45	13.21
8	---	---	---	---	---	---	---	---	---	---	12.46	13.25
9	---	---	---	---	---	---	---	---	---	---	12.47	13.29
10	---	---	---	---	---	---	---	---	---	---	12.47	13.32
11	---	---	---	---	---	---	---	---	---	---	12.47	13.35
12	---	---	---	---	---	---	---	---	---	---	12.47	13.38
13	---	---	---	---	---	---	---	---	---	---	12.47	13.41
14	---	---	---	---	---	---	---	---	---	---	12.46	13.44
15	---	---	---	---	---	---	---	---	---	---	12.45	13.46
16	---	---	---	---	---	---	---	---	---	---	12.44	13.49
17	---	---	---	---	---	---	---	---	---	---	12.47	13.52
18	---	---	---	---	---	---	---	---	---	11.98	12.50	13.54
19	---	---	---	---	---	---	---	---	---	12.04	12.51	13.56
20	---	---	---	---	---	---	---	---	---	12.10	12.54	13.59
21	---	---	---	---	---	---	---	---	---	12.15	12.56	13.61
22	---	---	---	---	---	---	---	---	---	12.20	12.59	13.62
23	---	---	---	---	---	---	---	---	---	12.24	12.63	13.62
24	---	---	---	---	---	---	---	---	---	12.27	12.66	13.64
25	---	---	---	---	---	---	---	---	---	12.31	12.70	13.63
26	---	---	---	---	---	---	---	---	---	12.33	12.74	13.63
27	---	---	---	---	---	---	---	---	---	12.33	12.78	13.60
28	---	---	---	---	---	---	---	---	---	12.36	12.82	13.56
29	---	---	---	---	---	---	---	---	---	12.38	12.86	13.53
30	---	---	---	---	---	---	---	---	---	12.39	12.90	13.48
31	---	---	---	---	---	---	---	---	---	12.39	12.95	---
MEAN	---	---	---	---	---	---	---	---	---	---	12.56	13.41
MAX	---	---	---	---	---	---	---	---	---	---	12.95	13.64
MIN	---	---	---	---	---	---	---	---	---	---	12.38	12.99

WESTCHESTER COUNTY -- We 5020—Continued



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 2003 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). The SH2003 method is also used, and represents a combination of the SH2010 and SH2002 method. For some samples, the U.S. Geological Survey Kansas Organic Geo-chemistry Laboratory LCAA method was used; this method is described in Lee and others, 2001. 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 SH2003, and method SH2060. 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 with an * after the station number. A sampling method code of 10 indicates an equal-width increment sample, 70 indicates a grab sample.

METHOD SH2010

MULTIPLE STATION ANALYSES

Station number	Station name	Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	11-05-02	1200	E1.0	10	<.006	<.006

Station number	Date	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)
0137491120	11-05-02	<.006	<.004	<.005	100	<.007	<.050	<.010	<.002	<.041	<.020	<.005

Station number	Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)
0137491120	11-05-02	<.006	<.018	<.003	<.004	<.005	115	<.005	<.02	<.002	<.009	<.005

Station number	Date	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)
0137491120	11-05-02	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006

Station number	Date	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
0137491120	11-05-02	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011

Station number	Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
0137491120	11-05-02	<.02	.061	<.02	<.034	<.02	<.005	<.002	<.009

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2003

MULTIPLE STATION ANALYSES

Station number	Station name	Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)
0137449450	PUTNAM LAKE AT DAM, AT PUTNAM LAKE NY	06-23-03	1100	11	10	<.09	<.006
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	06-23-03	1215	8.9	10	<.09	<.006
0137449494*	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	06-23-03	1216	8.9	10	<.09	<.006
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	09-10-03	1055	.80	10	<.09	<.006
01374513	TONETTA BK TRIB AT TONETTA L RD AT BREWSTER NY	07-14-03	1440	.03	10	<.09	<.006
0137452005	TONETTA BROOK AT MOUTH AT BREWSTER NY	07-14-03	1600	1.4	10	<.09	<.006
01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	06-23-03	1315	2.6	10	<.09	<.006
01374671	MICHAEL BROOK AT MAPLE ROAD AT CARMEL NY	07-15-03	1020	.56	10	<.09	<.006
01374674	MICHAEL BROOK NEAR CARMEL NY	07-15-03	1130	1.6	10	E.01	<.006
01374674*	MICHAEL BROOK NEAR CARMEL NY	07-15-03	1136	1.6	10	E.01	<.006
01374890	CROSS RIVER NEAR CROSS RIVER NY	06-23-03	1110	65	70	<.09	<.006
01374890	CROSS RIVER NEAR CROSS RIVER NY	09-11-03	1340	3.5	70	<.09	<.006
0137491115	DAVIDS BK, NORTH TRIB, NARROWS RD @ BEDFORD CTR NY	07-07-03	1100	E.10	70	<.09	<.006
0137491115	DAVIDS BK, NORTH TRIB, NARROWS RD @ BEDFORD CTR NY	09-11-03	1100	E.10	70	M	<.006
0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	07-07-03	1050	.54	10	<.09	<.006
0137491117*	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	07-07-03	1051	.54	10	<.09	<.006
0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	09-11-03	1030	.26	70	<.09	<.006
0137491117*	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	09-11-03	1036	.26	70	<.09	<.006
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	07-07-03	1215	2.7	10	<.09	<.006
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	09-11-03	1130	1.7	70	<.09	<.006
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	07-07-03	1310	8.4	10	<.09	<.006
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	09-11-03	1245	4.7	70	<.09	<.006
01374917	BROAD BROOK AT KATONAH NY	07-07-03	1355	3.4	10	<.09	<.006
01374917	BROAD BROOK AT KATONAH NY	09-11-03	1310	2.2	70	<.09	<.006
01374960	HALLOCKS MILL BROOK AT YORKTOWN HEIGHTS NY	07-14-03	1725	3.3	10	<.09	<.006
01374963	HALLOCKS MILL BROOK AT AMAWALK NY	06-24-03	1010	29	10	<.09	<.006
01374963	HALLOCKS MILL BROOK AT AMAWALK NY	07-14-03	1810	4.8	10	<.09	<.006
01374963	HALLOCKS MILL BROOK AT AMAWALK NY	09-10-03	1610	3.2	10	<.09	<.006
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	06-16-03	1010	17	10	<.09	<.006
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	09-10-03	1330	3.4	10	<.09	<.006
01374992	HUNTER BROOK NEAR YORKTOWN NY	06-23-03	1500	7.9	10	<.09	<.006

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2003--Continued

MULTIPLE STATION ANALYSES

Station number	Date	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2,6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
0137449450	06-23-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
0137449494	06-23-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
0137449494	06-23-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.004	<.02	<.050
0137449494	09-10-03	<.1	<.005	E.003	<.004	<.004	<.006	<.006	<.004	E.005	<.02	<.050
01374513	07-14-03	<.1	<.005	<.006	<.004	.006	<.006	<.006	<.004	<.007	<.02	<.050
0137452005	07-14-03	<.1	<.005	<.010	<.004	<.004	<.006	<.006	<.004	<.009	<.02	<.050
01374657	06-23-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
01374671	07-15-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
01374674	07-15-03	<.1	<.005	<.006	<.004	.027	<.006	<.006	<.004	<.007	<.02	<.050
01374674	07-15-03	<.1	<.005	<.006	<.004	.028	<.006	<.006	<.004	<.007	<.02	<.050
01374890	06-23-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
01374890	09-11-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
0137491115	07-07-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.022	<.02	<.050
0137491115	09-11-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.022	<.02	<.050
0137491117	07-07-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.012	<.02	<.050
0137491117	07-07-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.015	<.02	<.050
0137491117	09-11-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.008	<.02	<.050
0137491117	09-11-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.009	<.02	<.050
0137491120	07-07-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.004	<.02	<.050
0137491120	09-11-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
01374916	07-07-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
01374916	09-11-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
01374917	07-07-03	<.1	<.005	<.006	<.004	.026	<.006	<.006	<.004	<.007	<.02	<.050
01374917	09-11-03	<.1	<.005	<.006	<.004	.053	<.006	<.006	<.004	<.007	<.02	<.050
01374960	07-14-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.005	<.02	<.050
01374963	06-24-03	<.1	<.005	<.006	<.004	<.006	<.006	<.006	<.004	E.004	<.02	<.050
01374963	07-14-03	<.1	<.005	<.006	<.004	<.045	<.006	<.006	<.004	<.007	<.02	<.050
01374963	09-10-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
01374984	06-16-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
01374984	09-10-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050
01374992	06-23-03	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2003--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)
0137449450	06-23-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	.006
0137449494	06-23-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137449494	06-23-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137449494	09-10-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374513	07-14-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137452005	07-14-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374657	06-23-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374671	07-15-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374674	07-15-03	<.010	E.039	<.06	<.005	<.006	<.008	<.009	<.003	.005	E.01	.198
01374674	07-15-03	<.010	E.037	<.06	<.005	<.006	<.008	<.009	<.003	.006	.01	.202
01374890	06-23-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374890	09-11-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137491115	07-07-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137491115	09-11-03	<.010	E.022	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137491117	07-07-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137491117	07-07-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137491117	09-11-03	<.010	E.014	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137491117	09-11-03	<.010	E.013	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137491120	07-07-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
0137491120	09-11-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374916	07-07-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374916	09-11-03	<.010	E.007	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374917	07-07-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374917	09-11-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	E.003	<.01	<.005
01374960	07-14-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374963	06-24-03	<.010	E.009	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	.009
01374963	07-14-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	E.003	<.01	E.010
01374963	09-10-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	E.003	<.01	<.005
01374984	06-16-03	<.010	E.004	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374984	09-10-03	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
01374992	06-23-03	<.010	E.004	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	.050

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2003--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
0137449450	06-23-03	<.08	<.005	<.006	<.03	<.004	<.031	<.03	<.03	<.009	<.005	<.005
0137449494	06-23-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
0137449494	06-23-03	<.08	<.005	<.006	<.03	<.004	<.031	<.03	<.03	<.031	<.005	<.005
0137449494	09-10-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374513	07-14-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	.005	<.005
0137452005	07-14-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374657	06-23-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374671	07-15-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374674	07-15-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	E.005	.010
01374674	07-15-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	E.005	.009
01374890	06-23-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374890	09-11-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
0137491115	07-07-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
0137491115	09-11-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
0137491117	07-07-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
0137491117	07-07-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
0137491117	09-11-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
0137491117	09-11-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
0137491120	07-07-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
0137491120	09-11-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374916	07-07-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374916	09-11-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374917	07-07-03	<.08	<.005	<.006	<.03	<.004	<.031	<.03	<.03	<.009	<.005	<.005
01374917	09-11-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374960	07-14-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374963	06-24-03	<.08	<.005	<.006	<.03	<.004	<.031	<.03	<.03	<.031	<.005	<.005
01374963	07-14-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	E.004	<.005
01374963	09-10-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374984	06-16-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374984	09-10-03	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
01374992	06-23-03	<.08	<.005	<.006	<.03	<.004	<.031	<.03	<.03	<.009	<.005	<.005

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2003--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)
0137449450	06-23-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
0137449494	06-23-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
0137449494	06-23-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
0137449494	09-10-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374513	07-14-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
0137452005	07-14-03	E.007	<.002	<.003	.222	<1	<.005	<.008	<.027	<.005	<.006	<.03
01374657	06-23-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	.019	<.006	<.03
01374671	07-15-03	E.008	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374674	07-15-03	E.076	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374674	07-15-03	.072	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374890	06-23-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374890	09-11-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
0137491115	07-07-03	<.007	<.002	<.003	<.013	<1	<.003	<.015	<.027	<.005	<.006	<.03
0137491115	09-11-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
0137491117	07-07-03	<.007	<.002	<.003	<.013	<1	<.003	<.015	<.027	<.005	<.006	<.03
0137491117	07-07-03	<.007	<.002	<.003	<.013	<1	<.003	<.015	<.027	<.005	<.006	<.03
0137491117	09-11-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
0137491117	09-11-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
0137491120	07-07-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	.007	<.006	<.03
0137491120	09-11-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	.007	<.006	<.03
01374916	07-07-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374916	09-11-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	E.005	E.004	<.006	<.03
01374917	07-07-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	.023	<.006	<.03
01374917	09-11-03	E.006	<.002	<.003	<.013	<1	<.003	<.008	<.027	.024	<.006	<.03
01374960	07-14-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374963	06-24-03	E.010	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374963	07-14-03	E.066	<.002	<.003	<.013	<1	<.003	<.065	<.027	<.005	<.006	<.03
01374963	09-10-03	.052	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374984	06-16-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374984	09-10-03	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03
01374992	06-23-03	<.007	<.002	<.003	<.013	M	<.003	<.008	<.027	<.005	<.006	<.03

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2003--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)
0137449450	06-23-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
0137449494	06-23-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
0137449494	06-23-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
0137449494	09-10-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374513	07-14-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
0137452005	07-14-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	.02	<.005
01374657	06-23-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005
01374671	07-15-03	<.006	E.009	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374674	07-15-03	<.006	E.006	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374674	07-15-03	<.006	E.006	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374890	06-23-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005
01374890	09-11-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005
0137491115	07-07-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
0137491115	09-11-03	<.006	<.013	.035	<.008	<.022	<.10	<.011	<.06	<.008	E.01	E.005
0137491117	07-07-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005
0137491117	07-07-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005
0137491117	09-11-03	<.006	<.013	.019	<.008	<.022	<.10	<.011	<.06	<.008	M	E.004
0137491117	09-11-03	<.006	<.013	.019	<.008	<.022	<.10	<.011	<.06	<.008	M	E.004
0137491120	07-07-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005
0137491120	09-11-03	<.006	<.013	E.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005
01374916	07-07-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374916	09-11-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374917	07-07-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374917	09-11-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374960	07-14-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374963	06-24-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374963	07-14-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374963	09-10-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005
01374984	06-16-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374984	09-10-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005
01374992	06-23-03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2003--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)
0137449450	06-23-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
0137449494	06-23-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
0137449494	06-23-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
0137449494	09-10-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374513	07-14-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
0137452005	07-14-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374657	06-23-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374671	07-15-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374674	07-15-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374674	07-15-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374890	06-23-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374890	09-11-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
0137491115	07-07-03	<.004	5.37	<.02	<.07	<.02	<.01	<.009	<.01
0137491115	09-11-03	<.004	2.78	<.02	<.07	<.02	<.01	<.009	<.01
0137491117	07-07-03	<.004	2.39	<.02	<.07	<.02	<.01	<.009	<.01
0137491117	07-07-03	<.004	2.46	<.02	<.07	<.02	<.01	<.009	<.01
0137491117	09-11-03	<.004	.931	<.02	<.07	<.02	<.01	<.009	<.01
0137491117	09-11-03	<.004	.900	<.02	<.07	<.02	<.01	<.009	<.01
0137491120	07-07-03	<.004	.510	<.02	<.07	<.02	<.01	<.009	<.01
0137491120	09-11-03	<.004	.132	<.02	<.07	<.02	<.01	<.009	<.01
01374916	07-07-03	<.004	.151	<.02	<.07	<.02	<.01	<.009	<.01
01374916	09-11-03	<.004	.048	<.02	<.07	<.02	<.01	<.009	<.01
01374917	07-07-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374917	09-11-03	<.004	<.005	E.01	<.07	<.02	<.01	<.009	<.01
01374960	07-14-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374963	06-24-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	M
01374963	07-14-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374963	09-10-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374984	06-16-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	M
01374984	09-10-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
01374992	06-23-03	<.004	<.005	<.02	<.07	<.02	<.01	<.009	E.01

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2060

MULTIPLE STATION ANALYSES

Station number	Station name	Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)
0137449450	PUTNAM LAKE AT DAM, AT PUTNAM LAKE NY	06-23-03	1105	11	10	<.009	.05
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	06-23-03	1220	8.9	10	<.009	.17
0137449494*	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	06-23-03	1221	8.9	10	<.009	.17
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	09-10-03	1100	.80	10	<.009	.09
01374513	TONETTA BK TRIB AT TONETTA L RD AT BREWSTER NY	07-14-03	1445	.03	10	<.009	<.02
0137452005	TONETTA BROOK AT MOUTH AT BREWSTER NY	07-14-03	1605	1.4	10	.028	.18
01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	06-23-03	1320	2.6	10	E.024	E1.82
01374671	MICHAEL BROOK AT MAPLE ROAD AT CARMEL NY	07-15-03	1025	.56	10	<.009	<.02
01374674	MICHAEL BROOK NEAR CARMEL NY	07-15-03	1135	1.6	10	.065	<.02
01374674*	MICHAEL BROOK NEAR CARMEL NY	07-15-03	1146	1.6	10	.061	<.02
01374890	CROSS RIVER NEAR CROSS RIVER NY	06-23-03	1115	65	70	<.009	.03
01374890	CROSS RIVER NEAR CROSS RIVER NY	09-11-03	1345	3.5	70	<.009	<.02
0137491115	DAVIDS BK, NORTH TRIB, NARROWS RD @ BEDFORD CTR NY	09-11-03	1105	E.10	70	<.009	<.02
0137491117	DAVIDS BROOK, NORTH TRIB, AT BEDFORD CENTER NY	09-11-03	1035	.26	70	<.009	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	11-05-02	1205	E1.0	10	<.009	.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	07-07-03	1220	2.7	10	<.009	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	09-11-03	1135	1.7	70	<.009	<.02
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	07-07-03	1315	8.4	10	<.009	<.02
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	09-11-03	1250	4.7	70	<.009	<.02
01374917	BROAD BROOK AT KATONAH NY	07-07-03	1400	3.4	10	<.009	<.02
01374917	BROAD BROOK AT KATONAH NY	09-11-03	1315	2.2	70	<.009	<.02
01374960	HALLOCKS MILL BROOK AT YORKTOWN HEIGHTS NY	07-14-03	1730	3.3	10	<.009	<.02
01374963	HALLOCKS MILL BROOK AT AMAWALK NY	06-24-03	1015	29	10	.012	.08
01374963	HALLOCKS MILL BROOK AT AMAWALK NY	07-14-03	1815	4.8	10	<.009	<.02
01374963	HALLOCKS MILL BROOK AT AMAWALK NY	09-10-03	1615	3.2	10	<.009	<.02
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	06-16-03	1015	17	10	<.009	.03
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	09-10-03	1335	3.4	10	<.009	<.02
01374992	HUNTER BROOK NEAR YORKTOWN NY	06-23-03	1505	7.9	10	<.009	E.02

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2060--Continued

MULTIPLE STATION ANALYSES

Station number	Date	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	Atra-zine, water, fltrd, ug/L (39632)
0137449450	06-23-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
0137449494	06-23-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
0137449494	06-23-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
0137449494	09-10-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374513	07-14-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
0137452005	07-14-03	<.02	<.03	<.04	E.033	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374657	06-23-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374671	07-15-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374674	07-15-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374674	07-15-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374890	06-23-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374890	09-11-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
0137491115	09-11-03	<.02	<.03	E.18	E.072	<.006	<2	<.007	<.02	<.008	<.04	E.013
0137491117	09-11-03	<.02	<.03	E.10	E.042	<.006	<2	<.007	<.02	<.008	<.04	E.004
0137491120	11-05-02	<.02	<.03	E.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
0137491120	07-07-03	<.02	<.03	E.02	E.013	<.006	<2	<.007	<.02	<.008	<.04	<.009
0137491120	09-11-03	<.02	<.03	E.02	E.012	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374916	07-07-03	<.02	<.03	E.01	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374916	09-11-03	<.02	<.03	E.01	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374917	07-07-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374917	09-11-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374960	07-14-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374963	06-24-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374963	07-14-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374963	09-10-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374984	06-16-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374984	09-10-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009
01374992	06-23-03	<.02	<.03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009

Station number	Date	Bendio-carb, water, fltrd, ug/L (50299)	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd 0.7u GF ug/L (38711)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, ug/L (50305)	Car-baryl, water, fltrd 0.7u GF ug/L (49310)	Carbo-furan, water, fltrd 0.7u GF ug/L (49309)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)
0137449450	06-23-03	<.03	<.004	<.02	E.01	<.03	<.02	.0227	<.03	<.006	<.02	<.010
0137449494	06-23-03	<.03	<.004	<.02	<.01	<.03	<.02	.0226	<.03	<.006	<.02	<.010
0137449494	06-23-03	<.03	<.004	<.02	<.01	<.03	<.02	.0247	<.03	<.006	<.02	<.010
0137449494	09-10-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
01374513	07-14-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
0137452005	07-14-03	<.03	<.004	<.02	<.01	<.03	<.02	.0328	<.03	<.006	<.02	<.010
01374657	06-23-03	<.03	<.004	<.02	<.01	<.03	<.02	.0102	<.03	<.006	<.02	<.010
01374671	07-15-03	<.03	<.004	<.02	<.01	<.03	<.02	E.0065	<.03	<.006	<.02	<.010
01374674	07-15-03	<.03	.009	<.02	<.01	<.03	<.02	.1115	<.03	<.006	<.02	<.010
01374674	07-15-03	<.03	.007	<.02	<.01	<.03	<.02	.0956	<.03	<.006	<.02	<.010
01374890	06-23-03	<.03	<.004	<.02	<.01	<.03	<.02	E.0074	<.03	<.006	<.02	<.010
01374890	09-11-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
0137491115	09-11-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	E.01	<.006	<.02	<.010
0137491117	09-11-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	E.01	<.006	<.02	<.010
0137491120	11-05-02	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
0137491120	07-07-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
0137491120	09-11-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
01374916	07-07-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
01374916	09-11-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
01374917	07-07-03	<.03	<.004	<.02	<.01	<.03	<.02	.0209	<.03	<.006	<.02	<.010
01374917	09-11-03	<.03	E.013	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
01374960	07-14-03	<.03	<.004	<.02	<.01	<.03	<.02	.0280	<.03	<.006	<.02	<.010
01374963	06-24-03	<.03	<.004	<.02	<.01	<.03	<.02	E.7007	M	<.006	<.02	<.010
01374963	07-14-03	<.03	<.004	<.02	E.01	<.03	<.02	E15.0	<.03	<.006	<.02	<.010
01374963	09-10-03	<.03	<.004	<.02	<.01	<.03	<.02	E8.85	<.03	<.006	<.02	<.010
01374984	06-16-03	<.03	<.004	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010
01374984	09-10-03	<.03	<.004	<.02	<.01	<.03	<.02	.0101	<.03	<.006	<.02	<.010
01374992	06-23-03	<.03	<.004	<.02	<.01	<.03	<.02	.0182	<.03	<.006	<.02	<.010

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2060--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyclo-ate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Flumet-sulam, water, fltrd, ug/L (61694)
0137449450	06-23-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
0137449494	06-23-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
0137449494	06-23-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
0137449494	09-10-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374513	07-14-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
0137452005	07-14-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	.18	<.03	<.01
01374657	06-23-03	<.01	.15	<.01	<.01	.10	<.01	<.01	<.03	<.01	<.03	<.01
01374671	07-15-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374674	07-15-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374674	07-15-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374890	06-23-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374890	09-11-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
0137491115	09-11-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
0137491117	09-11-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
0137491120	11-05-02	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
0137491120	07-07-03	--	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
0137491120	09-11-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374916	07-07-03	--	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374916	09-11-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374917	07-07-03	--	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374917	09-11-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374960	07-14-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374963	06-24-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374963	07-14-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374963	09-10-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374984	06-16-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374984	09-10-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01
01374992	06-23-03	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01

Station number	Date	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Linuron water fltrd 0.7u GF ug/L (38478)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Metsul-furon, water, fltrd, ug/L (61697)
0137449450	06-23-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137449494	06-23-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137449494	06-23-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137449494	09-10-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374513	07-14-03	<.03	E.02	<.02	E.028	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137452005	07-14-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374657	06-23-03	<.03	<.02	<.02	.369	<.01	E.01	<.01	.02	<.008	<.004	<.03
01374671	07-15-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374674	07-15-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	E.11
01374674	07-15-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	E.12
01374890	06-23-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374890	09-11-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
0137491115	09-11-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	E.011	<.03
0137491117	09-11-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	E.003	<.03
0137491120	11-05-02	<.03	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03
0137491120	07-07-03	<.03	<.02	<.02	.034	<.01	<.02	<.01	M	<.008	<.004	<.03
0137491120	09-11-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03
01374916	07-07-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374916	09-11-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374917	07-07-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	.02	<.008	<.004	<.03
01374917	09-11-03	<.03	<.02	<.02	.043	<.01	<.02	<.01	.03	<.008	<.004	<.03
01374960	07-14-03	<.03	<.02	<.02	.012	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374963	06-24-03	<.03	<.02	<.02	<.054	<.01	<.02	<.01	<.02	<.008	<.004	E.13
01374963	07-14-03	<.03	<.02	E.03	<.007	<.01	<.02	<.01	<.02	<.008	<.004	E.23
01374963	09-10-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374984	06-16-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374984	09-10-03	<.03	<.02	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03
01374992	06-23-03	<.03	<.02	<.02	.060	<.01	<.02	<.01	<.02	<.008	<.004	<.03

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin—Continued

METHOD SH2060--Continued

MULTIPLE STATION ANALYSES

Station number	Date	N-(4-Chlorophenyl)-N-'methylurea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)
0137449450	06-23-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
0137449494	06-23-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
0137449494	06-23-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
0137449494	09-10-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374513	07-14-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	.035	<.02
0137452005	07-14-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374657	06-23-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374671	07-15-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374674	07-15-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	.024	<.02
01374674	07-15-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	.025	<.02
01374890	06-23-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374890	09-11-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
0137491115	09-11-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
0137491117	09-11-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
0137491120	11-05-02	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
0137491120	07-07-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
0137491120	09-11-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374916	07-07-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374916	09-11-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374917	07-07-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374917	09-11-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	E.02	<.008	<.02
01374960	07-14-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374963	06-24-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374963	07-14-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374963	09-10-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374984	06-16-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	M
01374984	09-10-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02
01374992	06-23-03	<.02	<.01	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02

Station number	Date	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd, ug/L (04032)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)
0137449450	06-23-03	<.009	<.006	<.010	<.02
0137449494	06-23-03	<.009	<.006	<.010	<.02
0137449494	06-23-03	<.009	<.006	<.010	<.02
0137449494	09-10-03	<.009	<.006	<.010	<.02
01374513	07-14-03	E.006	<.006	<.010	<.02
0137452005	07-14-03	<.009	<.006	<.010	<.02
01374657	06-23-03	<.009	<.006	<.010	.31
01374671	07-15-03	<.009	<.006	<.010	<.02
01374674	07-15-03	<.009	<.006	<.010	<.02
01374674	07-15-03	<.009	<.006	<.010	<.02
01374890	06-23-03	<.009	<.006	<.010	<.02
01374890	09-11-03	<.009	<.006	<.010	<.02
0137491115	09-11-03	<.009	<.006	<.010	<.02
0137491117	09-11-03	<.009	<.006	<.010	<.02
0137491120	11-05-02	<.009	<.006	<.010	<.02
0137491120	07-07-03	<.009	<.006	<.010	<.02
0137491120	09-11-03	<.009	<.006	<.010	<.02
01374916	07-07-03	<.009	<.006	<.010	<.02
01374916	09-11-03	<.009	<.006	<.010	<.02
01374917	07-07-03	<.009	<.006	<.010	<.02
01374917	09-11-03	<.009	.007	<.010	<.02
01374960	07-14-03	<.009	<.006	<.010	<.02
01374963	06-24-03	<.009	<.006	<.010	<.02
01374963	07-14-03	<.009	<.006	<.010	<.02
01374963	09-10-03	<.009	<.006	<.010	<.02
01374984	06-16-03	<.009	<.006	<.010	<.02
01374984	09-10-03	<.009	<.006	<.010	<.02
01374992	06-23-03	<.009	<.006	<.010	<.02

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 four analytical methods - method SH2010, method SH2003, method SH2060, and method LCAA. 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 to the Hudson NAWQA section.

Estimated values are those preceded by an E, values with an M indicate presence verified but not quantified, Catskill Aqueduct sites are those with a c after the station number, Delaware Aqueduct sites are those with a d, and replicate samples are those with an *.

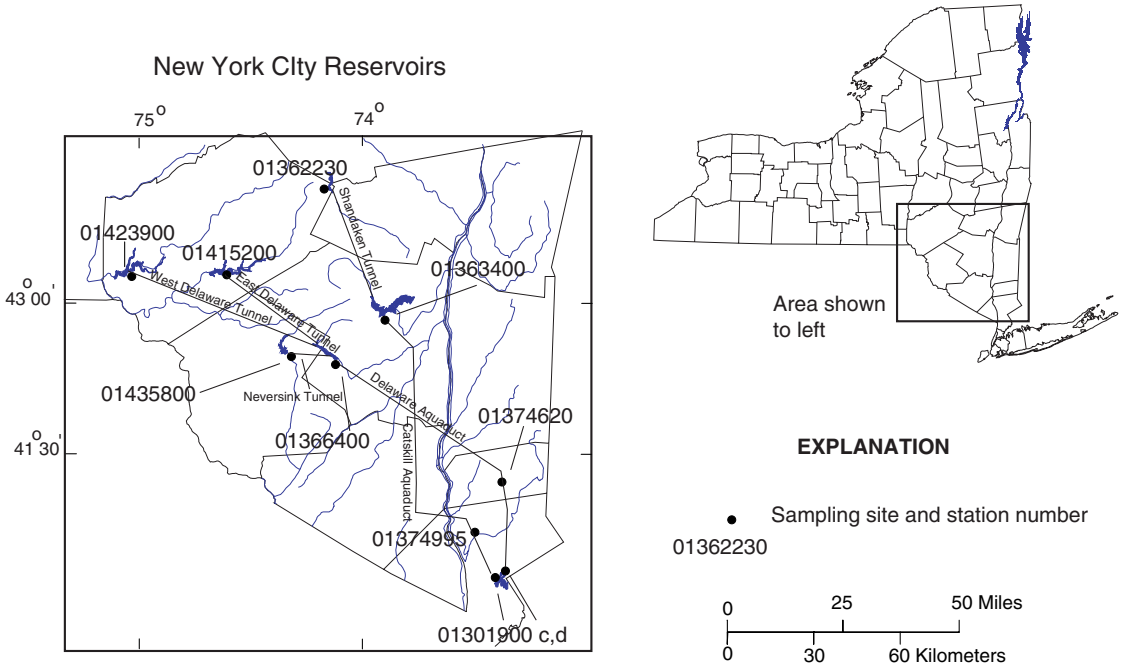


Figure 10.--Location of sites within the New York City reservoir system that were sampled for pesticide analysis.

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2010

MULTIPLE STATION ANALYSES

Station number	Station name	Date	Time	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)
01301900 d	KENSICO RESERVOIR AT VALHALLA NY	10-22-02	0645	<.006	<.006	<.006	<.004
01301900 c	KENSICO RESERVOIR AT VALHALLA NY	10-22-02	0700	<.006	<.006	<.006	<.004
01301900 c	KENSICO RESERVOIR AT VALHALLA NY	05-13-03	0700	<.006	<.006	<.006	<.004
01301900*c	KENSICO RESERVOIR AT VALHALLA NY	05-13-03	0701	<.006	<.006	<.006	<.004
01301900 d	KENSICO RESERVOIR AT VALHALLA NY	05-13-03	0855	<.006	<.006	<.006	<.004
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	10-21-02	0915	<.006	E.003	<.006	<.004
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	05-12-03	0845	<.006	<.006	<.006	<.004
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	10-21-02	1015	<.006	E.003	<.006	<.004
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	05-12-03	1030	<.006	<.006	<.006	<.004
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	10-28-02	0920	<.006	<.006	<.006	<.004
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	05-12-03	0730	<.006	<.006	<.006	<.004
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	10-22-02	0800	<.006	<.006	<.006	<.004
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	05-13-03	0840	<.006	<.006	<.006	<.004
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-22-02	0930	<.006	<.006	<.006	<.004
01374995*	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-22-02	0931	<.006	<.006	<.006	<.004
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	01-15-03	1130	<.006	E.005	<.006	<.004
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	03-11-03	1030	<.006	<.006	<.006	<.004
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	05-13-03	1010	<.006	<.006	<.006	<.004
01415200	DIVERSION FROM PEPACTON RESERVOIR	10-28-02	1315	<.006	<.006	<.006	<.004
01415200	DIVERSION FROM PEPACTON RESERVOIR	05-12-03	0845	<.006	<.006	<.006	<.004
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	10-28-02	0830	<.006	E.008	<.006	<.004
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	05-12-03	0825	<.006	<.006	<.006	<.004
01435800	DIVERSION FROM NEVERSINK RESERVOIR	10-28-02	1045	<.006	<.006	<.006	<.004
01435800	DIVERSION FROM NEVERSINK RESERVOIR	05-12-03	0930	<.006	<.006	<.006	<.004

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2010--Continued

MULTIPLE STATION ANALYSES

Station number	Date	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)
01301900	10-22-02	<.005	104	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01301900	10-22-02	<.005	114	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01301900	05-13-03	<.005	110	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01301900	05-13-03	<.005	104	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01301900	05-13-03	<.005	105	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01362230	10-21-02	<.005	91.4	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01362230	05-12-03	<.005	E193	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01363400	10-21-02	<.005	90.9	E.005	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01363400	05-12-03	<.005	113	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01366400	10-28-02	<.005	108	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01366400	05-12-03	<.005	E170	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01374620	10-22-02	<.005	119	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01374620	05-13-03	<.005	94.4	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01374995	10-22-02	<.005	120	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01374995	10-22-02	<.005	102	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01374995	01-15-03	<.005	92.1	E.006	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01374995	03-11-03	<.005	93.1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01374995	05-13-03	<.005	99.1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01415200	10-28-02	<.005	104	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01415200	05-12-03	<.005	E172	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01423900	10-28-02	<.005	102	.015	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01423900	05-12-03	<.005	E166	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01435800	10-28-02	<.005	112	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
01435800	05-12-03	<.005	E178	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018

Station number	Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)
01301900	10-22-02	<.003	<.004	<.005	147	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01301900	10-22-02	<.003	<.004	<.005	E156	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01301900	05-13-03	<.003	<.004	<.005	120	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01301900	05-13-03	<.003	<.004	<.005	125	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01301900	05-13-03	<.003	<.004	<.005	129	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01362230	10-21-02	<.003	<.004	<.005	112	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01362230	05-12-03	<.003	<.004	<.005	E224	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01363400	10-21-02	<.003	<.004	<.005	112	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01363400	05-12-03	<.003	<.004	<.005	138	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01366400	10-28-02	<.003	<.004	<.005	129	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01366400	05-12-03	<.003	<.004	<.005	E212	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01374620	10-22-02	<.003	<.004	<.005	146	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01374620	05-13-03	<.003	<.004	<.005	123	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01374995	10-22-02	<.003	<.004	<.005	E151	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01374995	10-22-02	<.003	<.004	<.005	125	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01374995	01-15-03	<.003	<.004	<.005	100	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01374995	03-11-03	<.003	<.004	<.005	103	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01374995	05-13-03	<.003	<.004	<.005	121	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01415200	10-28-02	<.003	<.004	<.005	114	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01415200	05-12-03	<.003	<.004	<.005	E207	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01423900	10-28-02	<.003	<.004	<.005	112	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01423900	05-12-03	<.003	<.004	<.005	E205	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01435800	10-28-02	<.003	<.004	<.005	126	<.005	<.02	<.002	<.009	<.005	<.009	<.005
01435800	05-12-03	<.003	<.004	<.005	E222	<.005	<.02	<.002	<.009	<.005	<.009	<.005

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2010--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)
01301900	10-22-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01301900	10-22-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01301900	05-13-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01301900	05-13-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01301900	05-13-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01362230	10-21-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	E.005	<.006	<.002	<.007
01362230	05-12-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01363400	10-21-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	E.005	<.006	<.002	<.007
01363400	05-12-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01366400	10-28-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01366400	05-12-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01374620	10-22-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01374620	05-13-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01374995	10-22-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01374995	10-22-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01374995	01-15-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01374995	03-11-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01374995	05-13-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01415200	10-28-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01415200	05-12-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01423900	10-28-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	E.011	<.006	<.002	<.007
01423900	05-12-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	E.006	<.006	<.002	<.007
01435800	10-28-02	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007
01435800	05-12-03	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007

Station number	Date	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)
01301900	10-22-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01301900	10-22-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01301900	05-13-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01301900	05-13-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01301900	05-13-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01362230	10-21-02	<.003	<.010	<.004	<.022	<.011	M	<.004	<.010	<.011	<.02	<.005
01362230	05-12-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01363400	10-21-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01363400	05-12-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01366400	10-28-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01366400	05-12-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01374620	10-22-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01374620	05-13-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01374995	10-22-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01374995	10-22-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.010
01374995	01-15-03	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.009
01374995	03-11-03	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	<.010
01374995	05-13-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01415200	10-28-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01415200	05-12-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01423900	10-28-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01423900	05-12-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01435800	10-28-02	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005
01435800	05-12-03	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2010--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
01301900	10-22-02	<.02	<.034	<.02	<.005	<.002	<.009
01301900	10-22-02	<.02	<.034	<.02	<.005	<.002	<.009
01301900	05-13-03	<.02	<.034	<.02	<.005	<.002	<.009
01301900	05-13-03	<.02	<.034	<.02	<.005	<.002	<.009
01301900	05-13-03	<.02	<.034	<.02	<.005	<.002	<.009
01362230	10-21-02	<.02	<.034	<.02	<.005	<.002	<.009
01362230	05-12-03	<.02	<.034	<.02	<.005	<.002	<.009
01363400	10-21-02	<.02	<.034	<.02	<.005	<.002	<.009
01363400	05-12-03	<.02	<.034	<.02	<.005	<.002	<.009
01366400	10-28-02	<.02	<.034	<.02	<.005	<.002	<.009
01366400	05-12-03	<.02	<.034	<.02	<.005	<.002	<.009
01374620	10-22-02	<.02	<.034	<.02	<.005	<.002	<.009
01374620	05-13-03	<.02	<.034	<.02	<.005	<.002	<.009
01374995	10-22-02	<.02	<.034	<.02	<.005	<.002	<.009
01374995	10-22-02	<.02	<.034	<.02	<.005	<.002	<.009
01374995	01-15-03	<.02	<.034	<.02	<.005	<.002	<.009
01374995	03-11-03	<.02	<.034	<.02	<.005	<.002	<.009
01374995	05-13-03	<.02	<.034	<.02	<.005	<.002	<.009
01415200	10-28-02	<.02	<.034	<.02	<.005	<.002	<.009
01415200	05-12-03	<.02	<.034	<.02	<.005	<.002	<.009
01423900	10-28-02	<.02	<.034	<.02	<.005	<.002	<.009
01423900	05-12-03	<.02	<.034	<.02	<.005	<.002	<.009
01435800	10-28-02	<.02	<.034	<.02	<.005	<.002	<.009
01435800	05-12-03	<.02	<.034	<.02	<.005	<.002	<.009

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD LCAA

MULTIPLE STATION ANALYSES

Station number	Station name	Date	Time	Aceto-chlor ESA, water, fltrd 0.7u GF ug/L (61029)	Aceto-chlor OA, water, fltrd 0.7u GF ug/L (61030)	Aceto-chlor SAA, water, fltrd, ug/L (62847)	Ala-chlor ESA, water, fltrd 0.7u GF ug/L (50009)
01301900 d	KENSICO RESERVOIR AT VALHALLA NY	10-22-02	0645	<.05	<.05	<.05	<.05
01301900 c	KENSICO RESERVOIR AT VALHALLA NY	10-22-02	0700	<.05	<.05	<.05	<.05
01301900 c	KENSICO RESERVOIR AT VALHALLA NY	05-13-03	0700	<.05	<.05	<.05	<.1
01301900*c	KENSICO RESERVOIR AT VALHALLA NY	05-13-03	0701	<.05	<.05	<.05	<.05
01301900 d	KENSICO RESERVOIR AT VALHALLA NY	05-13-03	0855	<.05	<.05	<.05	<.05
01301900	KENSICO RESERVOIR AT VALHALLA NY	07-15-03	0615	<.05	<.05	<.05	<.05
01301900	KENSICO RESERVOIR AT VALHALLA NY	07-15-03	0645	<.05	<.05	<.05	<.05
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	10-21-02	0915	<.05	<.05	<.05	<.05
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	05-12-03	0845	<.05	<.05	<.05	<.05
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	08-11-03	0825	<.05	<.05	<.05	<.05
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	10-21-02	1015	<.05	<.05	<.05	<.05
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	05-12-03	1030	<.05	<.05	<.05	<.05
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	08-11-03	0950	<.05	<.05	<.05	<.05
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	10-28-02	0920	<.05	<.05	<.05	<.05
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	05-12-03	0730	<.05	<.05	<.05	<.05
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	07-21-03	0845	<.05	<.05	<.05	<.05
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	10-22-02	0800	<.05	<.05	<.05	<.05
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	05-13-03	0840	<.05	<.05	<.05	<.05
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	07-15-03	0845	<.05	<.05	<.05	<.05
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-22-02	0930	<.05	<.05	<.05	<.05
01374995*	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-22-02	0931	<.05	<.05	<.05	<.05
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	05-13-03	1010	<.05	<.05	<.05	<.05
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-15-03	1255	<.05	<.05	<.05	<.05
01374995*	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-15-03	1256	<.05	<.05	<.05	<.05
01415200	DIVERSION FROM PEPACTON RESERVOIR	10-28-02	1315	<.05	<.05	<.05	<.05
01415200	DIVERSION FROM PEPACTON RESERVOIR	05-12-03	0845	<.05	<.05	<.05	<.05
01415200	DIVERSION FROM PEPACTON RESERVOIR	07-21-03	0810	<.05	<.05	<.05	<.05
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	10-28-02	0830	<.05	<.05	<.05	<.05
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	05-12-03	0825	<.05	<.05	<.05	<.05
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	07-21-03	0735	<.05	<.05	<.05	<.05
01435800	DIVERSION FROM NEVERSINK RESERVOIR	10-28-02	1045	<.05	<.05	<.05	<.05
01435800	DIVERSION FROM NEVERSINK RESERVOIR	05-12-03	0930	<.05	<.05	<.05	<.05
01435800	DIVERSION FROM NEVERSINK RESERVOIR	07-21-03	0715	<.05	<.05	<.05	<.05

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD LCAA--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Alachlor OA, water, fltrd 0.7u GF ug/L (61031)	Alachlor SAA, water, fltrd, ug/L (62848)	Dimethenamid ESA, water, fltrd, ug/L (61951)	Dimethenamid OA, water, fltrd, ug/L (62482)	Flufenacet ESA, water, fltrd, ug/L (61952)	Flufenacet OA, water, fltrd, ug/L (62483)	Metolachlor ESA, water, fltrd 0.7u GF ug/L (61043)	Metolachlor OA, water, fltrd 0.7u GF ug/L (61044)	Propachlor ESA, water, fltrd 0.7u GF ug/L (62766)	Propachlor OA, water, fltrd 0.7u GF ug/L (62767)
01301900	10-22-02	<.05	<.05	<.05	<.05	<.05	<.05	.05	<.05	<.05	<.05
01301900	10-22-02	<.05	<.05	<.05	<.50	<.50	<.05	.05	<.05	<.05	<.05
01301900	05-13-03	<.1	<.05	<.05	<.05	<.05	<.05	<.1	<.1	<.05	<.05
01301900	05-13-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01301900	05-13-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01301900	07-15-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01301900	07-15-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01362230	10-21-02	<.05	<.05	<.05	<.05	<.05	<.05	.07	<.05	<.05	<.05
01362230	05-12-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01362230	08-11-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01363400	10-21-02	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01363400	05-12-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01363400	08-11-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01366400	10-28-02	<.05	<.05	<.05	<.05	<.05	<.05	.06	<.50	<.05	<.05
01366400	05-12-03	<.05	<.05	<.05	<.05	<.05	<.05	<.1	<.05	<.05	<.05
01366400	07-21-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01374620	10-22-02	<.05	<.05	<.05	<.05	<.05	<.05	.05	<.05	<.05	<.05
01374620	05-13-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01374620	07-15-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01374995	10-22-02	<.50	<.05	<.50	<.05	<.05	<.50	<.05	<.05	<.05	<.05
01374995	10-22-02	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01374995	05-13-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01374995	07-15-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01374995	07-15-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01415200	10-28-02	<.05	<.05	<.05	<.05	<.05	<.05	.05	<.05	<.05	<.05
01415200	05-12-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01415200	07-21-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01423900	10-28-02	<.05	<.05	<.05	<.05	<.05	<.05	.12	<.05	<.05	<.05
01423900	05-12-03	<.05	<.05	<.05	<.05	<.05	<.05	.11	.05	<.05	<.05
01423900	07-21-03	<.05	<.05	<.05	<.05	<.05	<.05	.12	<.05	<.05	<.05
01435800	10-28-02	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01435800	05-12-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
01435800	07-21-03	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2003

MULTIPLE STATION ANALYSES

Station number	Station name	Date	Time	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2,6'-'diethyl acetanilide wat flt ug/L (61618)
01301900 d	KENSICO RESERVOIR AT VALHALLA NY	07-15-03	0615	<.09	<.006	<.1	<.005
01301900 c	KENSICO RESERVOIR AT VALHALLA NY	07-15-03	0645	<.09	<.006	<.1	<.005
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	08-11-03	0825	<.09	<.006	<.1	<.005
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	08-11-03	0950	<.09	<.006	<.1	<.005
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	07-21-03	0845	<.09	<.006	<.1	<.005
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	07-15-03	0845	<.09	<.006	<.1	<.005
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	06-23-03	1050	<.09	<.006	<.1	<.005
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-15-03	1255	<.09	<.006	<.1	<.005
01374995*	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-15-03	1256	<.09	<.006	<.1	<.005
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	09-09-03	0910	<.09	<.006	<.1	<.005
01415200	DIVERSION FROM PEPACTON RESERVOIR	07-21-03	0810	<.09	<.006	<.1	<.005
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	07-21-03	0735	<.09	<.006	<.1	<.005
01435800	DIVERSION FROM NEVERSINK RESERVOIR	07-21-03	0715	<.09	<.006	<.1	<.005

Station number	Date	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)
01301900	07-15-03	E.002	<.004	<.004	<.006	<.006	<.004	E.003	<.02	<.050	<.010	<.041
01301900	07-15-03	E.002	<.004	<.004	<.006	<.006	<.004	E.003	<.02	<.050	<.010	<.041
01362230	08-11-03	<.006	<.004	<.004	<.006	<.006	<.004	E.003	<.02	<.050	<.010	<.041
01363400	08-11-03	<.006	<.004	<.004	<.006	<.006	<.004	E.003	<.02	<.050	<.010	<.041
01366400	07-21-03	<.006	<.004	<.004	<.006	<.006	<.004	E.003	<.02	<.050	<.010	<.041
01374620	07-15-03	E.002	<.004	<.004	<.006	<.006	<.004	E.003	<.02	<.050	<.010	<.041
01374995	06-23-03	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050	<.010	<.041
01374995	07-15-03	<.006	<.004	<.004	<.006	<.006	<.004	E.003	<.02	<.050	<.010	<.041
01374995	07-15-03	E.002	<.004	<.004	<.006	<.006	<.004	E.003	<.02	<.050	<.010	<.041
01374995	09-09-03	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050	<.010	<.041
01415200	07-21-03	<.006	<.004	<.004	<.006	<.006	<.004	E.004	<.02	<.050	<.010	<.041
01423900	07-21-03	E.002	<.004	<.004	<.006	<.006	<.004	E.005	<.02	<.050	<.010	<.041
01435800	07-21-03	<.006	<.004	<.004	<.006	<.006	<.004	<.007	<.02	<.050	<.010	<.041

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2003--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)
01301900	07-15-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01301900	07-15-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01362230	08-11-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01363400	08-11-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01366400	07-21-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01374620	07-15-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01374995	06-23-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01374995	07-15-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01374995	07-15-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01374995	09-09-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01415200	07-21-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01423900	07-21-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005
01435800	07-21-03	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005	<.08	<.005

Station number	Date	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
01301900	07-15-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01301900	07-15-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01362230	08-11-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01363400	08-11-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01366400	07-21-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01374620	07-15-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01374995	06-23-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01374995	07-15-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01374995	07-15-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01374995	09-09-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01415200	07-21-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01423900	07-21-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
01435800	07-21-03	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002

Station number	Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)
01301900	07-15-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.003
01301900	07-15-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.003
01362230	08-11-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.003
01363400	08-11-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.002
01366400	07-21-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.004
01374620	07-15-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.003
01374995	06-23-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
01374995	07-15-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
01374995	07-15-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
01374995	09-09-03	<.003	E.013	<1	<.003	<.008	<.027	.016	<.006	<.03	<.006	E.004
01415200	07-21-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.005
01423900	07-21-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.007
01435800	07-21-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2003--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)
01301900	07-15-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005
01301900	07-15-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005
01362230	08-11-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005
01363400	08-11-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005
01366400	07-21-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005
01374620	07-15-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005
01374995	06-23-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005	<.004	.006
01374995	07-15-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004	.009
01374995	07-15-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004	.010
01374995	09-09-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005	<.004	.030
01415200	07-21-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005
01423900	07-21-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004	E.003
01435800	07-21-03	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005

Station number	Date	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)
01301900	07-15-03	<.02	<.07	<.02	<.01	<.009	<.01
01301900	07-15-03	<.02	<.07	<.02	<.01	<.009	<.01
01362230	08-11-03	<.02	<.07	<.02	<.01	<.009	<.01
01363400	08-11-03	<.02	<.07	<.02	<.01	<.009	<.01
01366400	07-21-03	<.02	<.07	<.02	<.01	<.009	<.01
01374620	07-15-03	<.02	<.07	<.02	<.01	<.009	<.01
01374995	06-23-03	<.02	<.07	<.02	<.01	<.009	<.01
01374995	07-15-03	<.02	<.07	<.02	<.01	<.009	<.01
01374995	07-15-03	<.02	<.07	<.02	<.01	<.009	<.01
01374995	09-09-03	<.02	<.07	<.02	<.01	<.009	<.01
01415200	07-21-03	<.02	<.07	<.02	<.01	<.009	<.01
01423900	07-21-03	<.02	<.07	<.02	<.01	<.009	<.01
01435800	07-21-03	<.02	<.07	<.02	<.01	<.009	<.01

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2060

MULTIPLE STATION ANALYSES

Station number	Station name	Date	Time	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)
01301900 d	KENSICO RESERVOIR AT VALHALLA NY	07-15-03	0620	<.009	<.02	<.02	<.03
01301900 c	KENSICO RESERVOIR AT VALHALLA NY	07-15-03	0650	<.009	<.02	<.02	<.03
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	08-11-03	0830	<.009	<.02	<.02	<.03
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	08-11-03	0955	<.009	<.02	<.02	<.03
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	07-21-03	0850	<.009	<.02	<.02	<.03
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	07-15-03	0850	<.009	<.02	<.02	<.03
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-22-02	0935	<.009	.04	<.02	<.03
01374995*	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	10-22-02	0936	<.009	.03	<.02	<.03
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	01-15-03	1135	<.009	<.02	<.02	<.03
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	03-11-03	1035	<.009	<.02	<.02	<.03
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	05-13-03	1015	<.009	<.02	<.02	<.03
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	06-23-03	1055	<.009	E.02	<.02	<.03
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-15-03	1300	<.009	E.01	<.02	<.03
01374995*	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-15-03	1301	<.009	E.01	<.02	<.03
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	09-09-03	0915	<.009	E.03	<.02	<.03
01415200	DIVERSION FROM PEPACTON RESERVOIR	07-21-03	0815	<.009	<.02	<.02	<.03
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	07-21-03	0740	<.009	<.02	<.02	<.03
01435800	DIVERSION FROM NEVERSINK RESERVOIR	07-21-03	0720	<.009	<.02	<.02	<.03

Station number	Date	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	Atra-zine, water, fltrd, ug/L (39632)	Bendio-carb, water, fltrd, ug/L (50299)	Benomyl water, fltrd, ug/L (50300)
01301900	07-15-03	<.04	E.003	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01301900	07-15-03	<.04	E.003	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01362230	08-11-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01363400	08-11-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01366400	07-21-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374620	07-15-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374995	10-22-02	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374995	10-22-02	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374995	01-15-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374995	03-11-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374995	05-13-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374995	06-23-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374995	07-15-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374995	07-15-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01374995	09-09-03	<.04	E.005	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01415200	07-21-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01423900	07-21-03	<.04	E.006	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004
01435800	07-21-03	<.04	<.008	<.006	<2	<.007	<.02	<.008	<.04	<.009	<.03	<.004

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2060--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)
01301900	07-15-03	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010	<.01	<.01
01301900	07-15-03	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010	<.01	<.01
01362230	08-11-03	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010	<.01	<.01
01363400	08-11-03	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010	<.01	<.01
01366400	07-21-03	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010	<.01	<.01
01374620	07-15-03	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010	<.01	<.01
01374995	10-22-02	<.02	<.01	<.03	<.02	.0185	<.03	<.006	<.02	<.010	<.01	<.01
01374995	10-22-02	<.02	<.01	<.03	<.02	.0202	<.03	<.006	<.02	<.010	<.01	<.01
01374995	01-15-03	<.02	<.01	<.03	<.02	.0548	<.03	<.006	<.02	<.010	<.01	<.01
01374995	03-11-03	<.02	<.01	<.03	<.02	E.0677	<.03	<.006	<.02	<.010	<.01	<.01
01374995	05-13-03	<.02	<.01	<.03	<.02	E.1168	<.03	<.006	<.02	<.010	<.01	<.01
01374995	06-23-03	<.02	<.01	<.03	<.02	.0762	<.03	<.006	<.02	<.010	<.01	<.01
01374995	07-15-03	<.02	<.01	<.03	<.02	.0460	<.03	<.006	<.02	<.010	<.01	<.01
01374995	07-15-03	<.02	<.01	<.03	<.02	.0477	<.03	<.006	<.02	<.010	<.01	<.01
01374995	09-09-03	<.02	<.01	<.03	<.02	.0423	<.03	<.006	<.02	<.010	<.01	<.01
01415200	07-21-03	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010	<.01	<.01
01423900	07-21-03	<.02	<.01	<.03	<.02	E.0033	<.03	<.006	<.02	<.010	<.01	<.01
01435800	07-21-03	<.02	<.01	<.03	<.02	<.0096	<.03	<.006	<.02	<.010	<.01	<.01

Station number	Date	Cycloate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Imazaquin, water, fltrd, ug/L (50356)
01301900	07-15-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01301900	07-15-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01362230	08-11-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01363400	08-11-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01366400	07-21-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374620	07-15-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374995	10-22-02	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374995	10-22-02	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374995	01-15-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374995	03-11-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374995	05-13-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374995	06-23-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374995	07-15-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374995	07-15-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01374995	09-09-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01415200	07-21-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01423900	07-21-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
01435800	07-21-03	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2060--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Linuron water fltrd 0.7u GF ug/L (38478)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	Metsulfuron, water, fltrd, ug/L (61697)	N-(4-Chlorophenyl) -N-' methylurea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)
01301900	07-15-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01301900	07-15-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01362230	08-11-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01363400	08-11-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01366400	07-21-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374620	07-15-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374995	10-22-02	<.02	<.007	<.01	E.01	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374995	10-22-02	<.02	<.007	<.01	E.01	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374995	01-15-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374995	03-11-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374995	05-13-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374995	06-23-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374995	07-15-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374995	07-15-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01374995	09-09-03	<.02	<.007	<.01	<.02	<.01	E.01	<.008	<.004	<.03	<.02	<.01
01415200	07-21-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01423900	07-21-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01
01435800	07-21-03	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01

Station number	Date	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)
01301900	07-15-03	<.01	<.02	<.02	<.01	<.02	E.006	<.02	<.008	<.02	<.009	<.006
01301900	07-15-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01362230	08-11-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01363400	08-11-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01366400	07-21-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374620	07-15-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	10-22-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	10-22-02	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	01-15-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	03-11-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	05-13-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	06-23-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	07-15-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	07-15-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01374995	09-09-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01415200	07-21-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01423900	07-21-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006
01435800	07-21-03	<.01	<.02	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006

New York City Reservoirs Pesticide Monitoring Project—Continued

METHOD SH2060--Continued

MULTIPLE STATION ANALYSES

Station number	Date	Terbacil, water, fltrd, ug/L (04032)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)
01301900	07-15-03	<.010	<.02
01301900	07-15-03	<.010	<.02
01362230	08-11-03	<.010	<.02
01363400	08-11-03	<.010	<.02
01366400	07-21-03	<.010	<.02
01374620	07-15-03	<.010	<.02
01374995	10-22-02	<.010	<.02
01374995	10-22-02	<.010	<.02
01374995	01-15-03	<.010	<.02
01374995	03-11-03	<.010	<.02
01374995	05-13-03	<.010	<.02
01374995	06-23-03	<.010	<.02
01374995	07-15-03	<.010	<.02
01374995	07-15-03	<.010	<.02
01374995	09-09-03	<.010	<.02
01415200	07-21-03	<.010	<.02
01423900	07-21-03	<.010	<.02
01435800	07-21-03	<.010	<.02

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CALENDAR FOR WATER YEAR 2003

2002

OCTOBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

2003

JANUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

MARCH

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

APRIL

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MAY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JULY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

AUGUST

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SEPTEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter (mm)
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^{0}	kilometer (km)
	Area	
acre	4.047×10^{3}	square meter (m^2)
	4.047×10^{-1}	square hectometer (hm^2)
	4.047×10^{-3}	square kilometer (km^2)
square mile (mi^2)	2.590×10^{0}	square kilometer (km^2)
	Volume	
gallon (gal)	3.785×10^{0}	liter (L)
	3.785×10^{-3}	cubic meter (m^3)
	3.785×10^{0}	cubic decimeter (dm^3)
million gallons (Mgal)	3.785×10^{3}	cubic meter (m^3)
	3.785×10^{-3}	cubic hectometer (hm^3)
cubic foot (ft^3)	2.832×10^{-2}	cubic meter (m^3)
	2.832×10^{1}	cubic decimeter (dm^3)
cubic-foot-per-second-per-day [($ft^3/s/d$]	2.447×10^{3}	cubic meter (m^3)
	2.447×10^{-3}	cubic hectometer (hm^3)
acre-foot (acre-ft)	1.223×10^{3}	cubic meter (m^3)
	1.223×10^{-3}	cubic hectometer (hm^3)
	1.223×10^{-6}	cubic kilometer (km^3)
	Flow rate	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter (L/s)
	2.832×10^{-2}	cubic meter per second (m^3/s)
	2.832×10^{1}	cubic decimeter per second (dm^3/s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m^3/s)
	6.309×10^{-2}	cubic decimeter per second (dm^3/s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second
	4.381×10^{1}	cubic decimeter per second (dm^3/s)
	Mass	
ton, short (2,000 lb)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8 \times °C) + 32$$