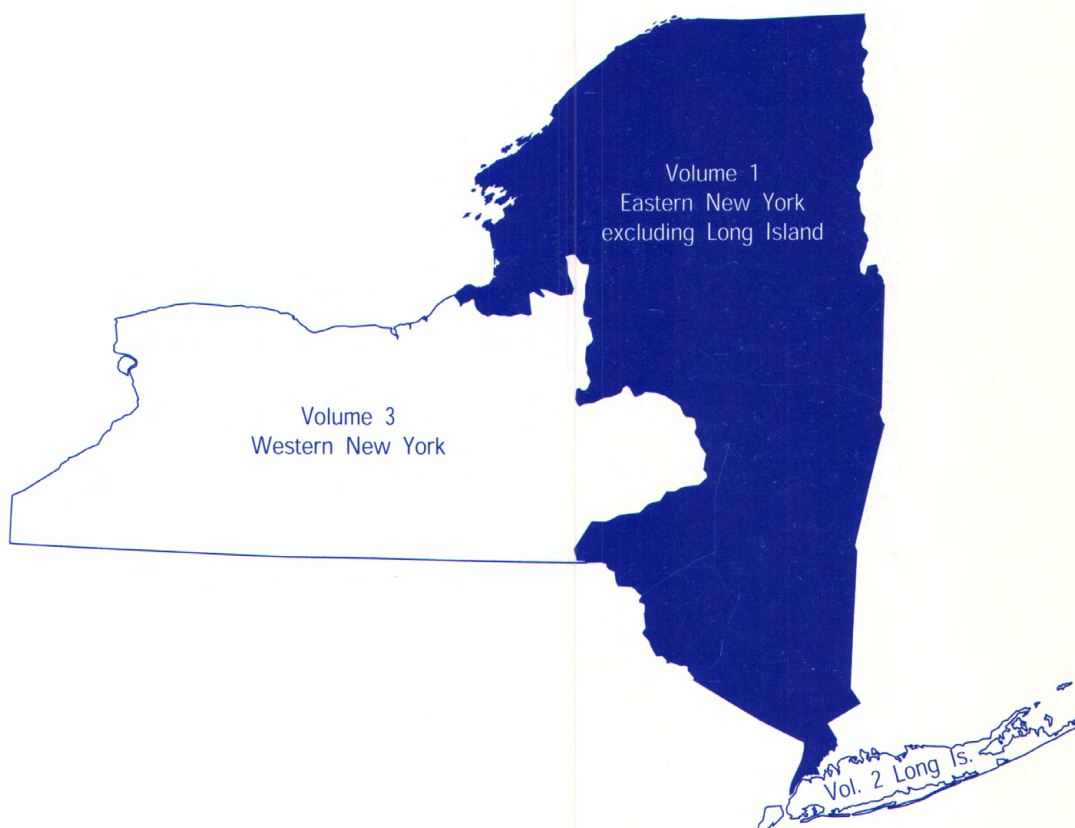


Water Resources Data New York Water Year 2001

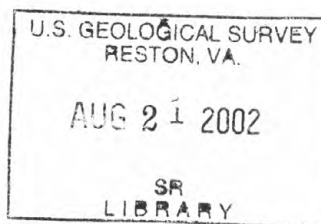
Volume 1. Eastern New York, excluding Long Island

Water-Data Report NY-01-1



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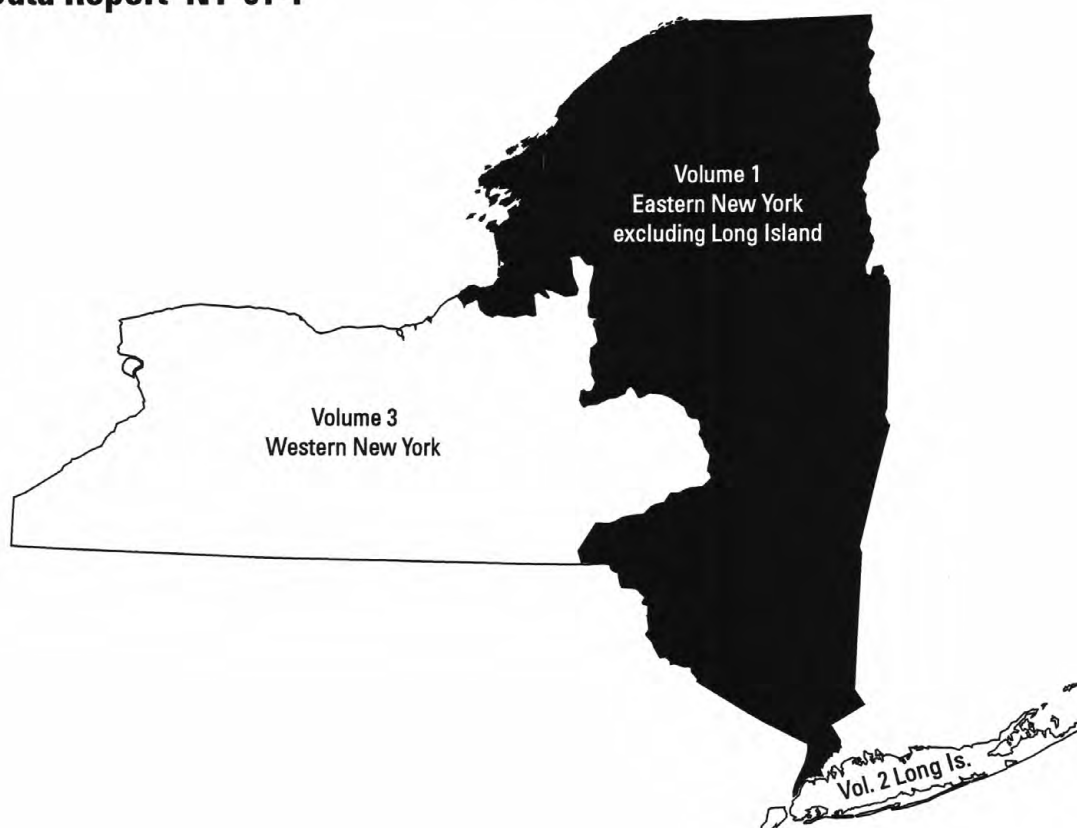
Water Resources Data New York Water Year 2001



Volume 1. Eastern New York

By G.K. Butch, P.M. Murray, J.A. Robideau, J.A. Gardner II

Water-Data Report NY-01-1



In cooperation with the State of New York
and with other agencies



U.S. DEPARTMENT OF THE INTERIOR

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2002

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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 1. 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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NOTE.--Data for partial-record stations and miscellaneous sites are published in separate sections of the data report. See reference at the end of this list for page numbers for these sections.

[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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* * * * *		

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
Hudson River near Newcomb, NY (d)	01312000*	192	1925-87
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
Hudson River at Schuylerville, NY (d)	01329650	3,440	1977-79
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

Corrected.

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS
(continued)

Station name	Station number	Drainage area (mi ²)	Period of record
Hudson River Basin--continued			
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
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
Otsuago 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
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
Hannicrius 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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS
(continued)

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Station name	Station number	Drainage area (mi ²)	Period of record
Hudson River Basin--continued			
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
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 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

Corrected.

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS
(continued)

Station name	Station number	Drainage area (mi ²)	Period of record
Streams tributary to Lake Ontario			
Salmon River near Redfield, NY (d)	04249500	188	1911-14
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
Sandy Creek near Adams, NY (d)	04250750*	137#	1958-95
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
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
Little Salmon River at Bombay, NY (d)	04270200	92.2	1958-95

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS
(continued)

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Station name	Station number	Drainage area (mi ²)	Period of record
St. Lawrence River Basin--continued			
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
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
Glwegeee Creek near West Milton, NY	01329995	21.5	Temp.	1967-73
			S.C.	1967-73
Glwegeee 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
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

Corrected.

DISCONTINUED SURFACE-WATER-QUALITY STATIONS
(continued)

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
Hudson River Basin--Continued				
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
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
Saw Mill River at Yonkers, NY	01376500	24.0#	Temp.	1993-95
Delaware River Basin				
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

* * * * *

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

Corrected.

DISCONTINUED CREST-STAGE PARTIAL-RECORD STATIONS
(continued)

xvii

Station name	Station number	Drainage area (mi ²)	Period of documented record
Mamaroneck River Basin			
Mamaroneck River at Winfield Avenue at Mamaroneck, NY	01300800	14.5	1972 1983-87
Mamaroneck River at Mamaroneck, NY	01301000*	23.1	1999
Bronx River Basin			
Bronx River at Bronxville, NY	01302000*	26.5	1999
Hudson River Basin			
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
Hannicroids 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

Corrected.

INTRODUCTION

Water-resources data for the 2001 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 144 gaging stations; stage only at 10 gaging stations; stage and contents at 4 gaging stations, and 18 other lakes and reservoirs; water quality at 34 gaging stations; and water levels at 7 observation wells. Also included are data for 34 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. 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-01-1." 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 2001, through cooperative agreement with the Survey are:

Board of Hudson River-Black River Regulating District
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
Orion Power New York
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. Army Corps of Engineers
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

The 2001 water year in eastern New York saw no major floods or extended droughts. The heavy, late-season snowpack caused no spring floods because the spring was cool and dry, allowing the snow to melt gradually. Months when rainfall was deficient were followed by months when moisture was in the normal range. Streamflow for the 2001 water year in eastern New York ranged near normal to below normal (fig. 1, next page). Streamflow was highest (90 to 100 percent of normal) in the Adirondack Mountains and Mohawk River Valley, and lowest (70 to 85 percent of normal) in the Catskill Mountains and lower Hudson River Valley.

Reservoir levels in the New York City reservoir system were well above normal through the fall, and ample snowfall ensured near-normal levels through the early summer. Although the summer was dry, reservoir contents remained within normal levels until September, when they were slightly below normal (fig. 2A, below). The Great Sacandaga Lake level was about 10 percent above the long-term average (1931-99) during the fall and early winter (fig. 2B, below), then declined to about 25 percent of capacity by March. Snowmelt quickly raised the level to 80 percent of capacity in April. As the spring and summer progressed, the reservoir level declined but remained about 10 percent above normal through September.

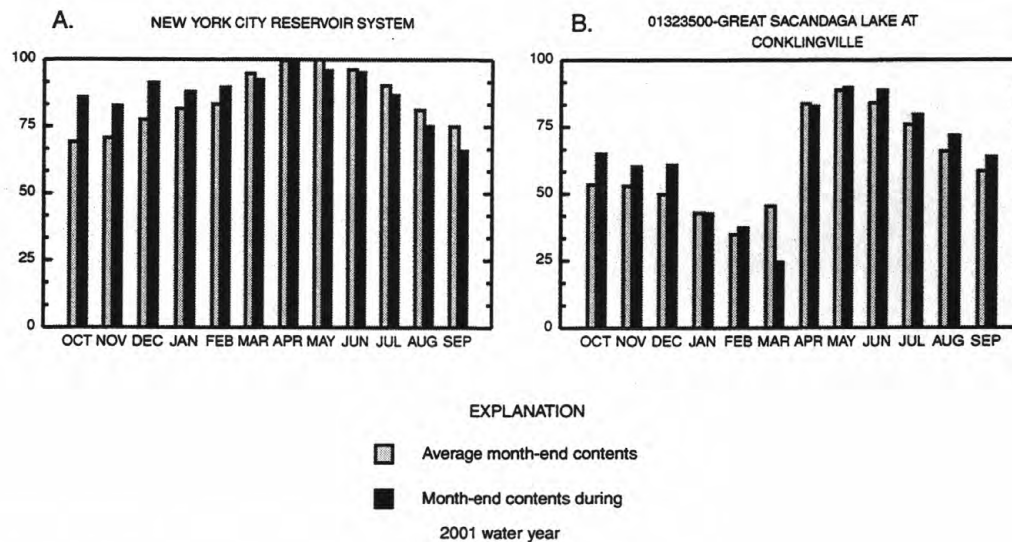


Figure 2.--Comparison of average month-end reservoir contents and month-end contents during 2001 water year for two selected reservoir systems in eastern New York.

Monthly runoff at selected streamflow gaging stations for 2001, and the average monthly runoff at each site during 1940-99, are plotted in figure 3. Monthly runoff was generally within 1 inch of normal until December, when increased rainfall and spring snowmelt kept streamflow above normal for much of the remainder of the water year.

October was warm and dry throughout eastern New York, particularly in extreme northern and southern sections, where precipitation was 2 to 3 inches below normal. Runoff was generally 1 to 2 inches throughout eastern New York. Discharges at Schoharie Creek at Prattsville, West Branch Oswegatchie River near Harrisville and Independence River at Donnattsburg were about 50 percent of normal. Reservoir contents were about 10 percent above normal.

Dry conditions prevailed through November; rainfall in parts of the Catskill Mountains and the Mohawk River Valley was about 3 inches below normal. Temperatures were 1 to 3°F below normal and snowfall was minimal. November streamflow was below normal throughout eastern New York whereas reservoir contents remained above normal.

December air temperatures were 3 to 4°F below normal throughout eastern New York. Precipitation was generally above normal except in the upper Mohawk River basin, where it remained about 2 inches below normal. A strong rainstorm during December 17-18 produced the annual peak discharges at many sites, primarily in southeast New York. Streamflows at Wappinger Creek and West Branch Oswegatchie River before that storm were about one-half the median (figs. 4 and 5) but quickly rose above the 25 percent exceedence level, then returned to normal by the end of the month. December brought 20 to 40 inches of snow, which was above normal, throughout eastern New York. Reservoir contents remained about 10 to 15 percent above normal.

January air temperatures were about 4°F above normal in east-central New York but were normal elsewhere. January precipitation was 1 to 4 inches greater than normal throughout the region. Snowfall ranged from less than 1 foot on the eastern state line to 4 feet in the southern Adirondack Mountains. January streamflow was below normal throughout eastern New York. Runoff at some sites in southeastern New York was about 50 percent below normal. The Great Sacandaga Lake level remained normal, whereas the New York City reservoirs were about 10 percent above normal.

February air temperatures were 1 to 5°F above normal, and precipitation was about 50 percent of normal, except in the western plateau, where it was 1 to 2 inches above normal. The western Adirondack Mountain and Tug Hill regions received 3 to 4 feet of snow; other areas received from 6 to 36 inches. A midmonth warmup produced snowmelt runoff peaks at many stations, but runoff was generally within 1 inch of normal throughout eastern New York. February reservoir levels were within 10 percent of normal.

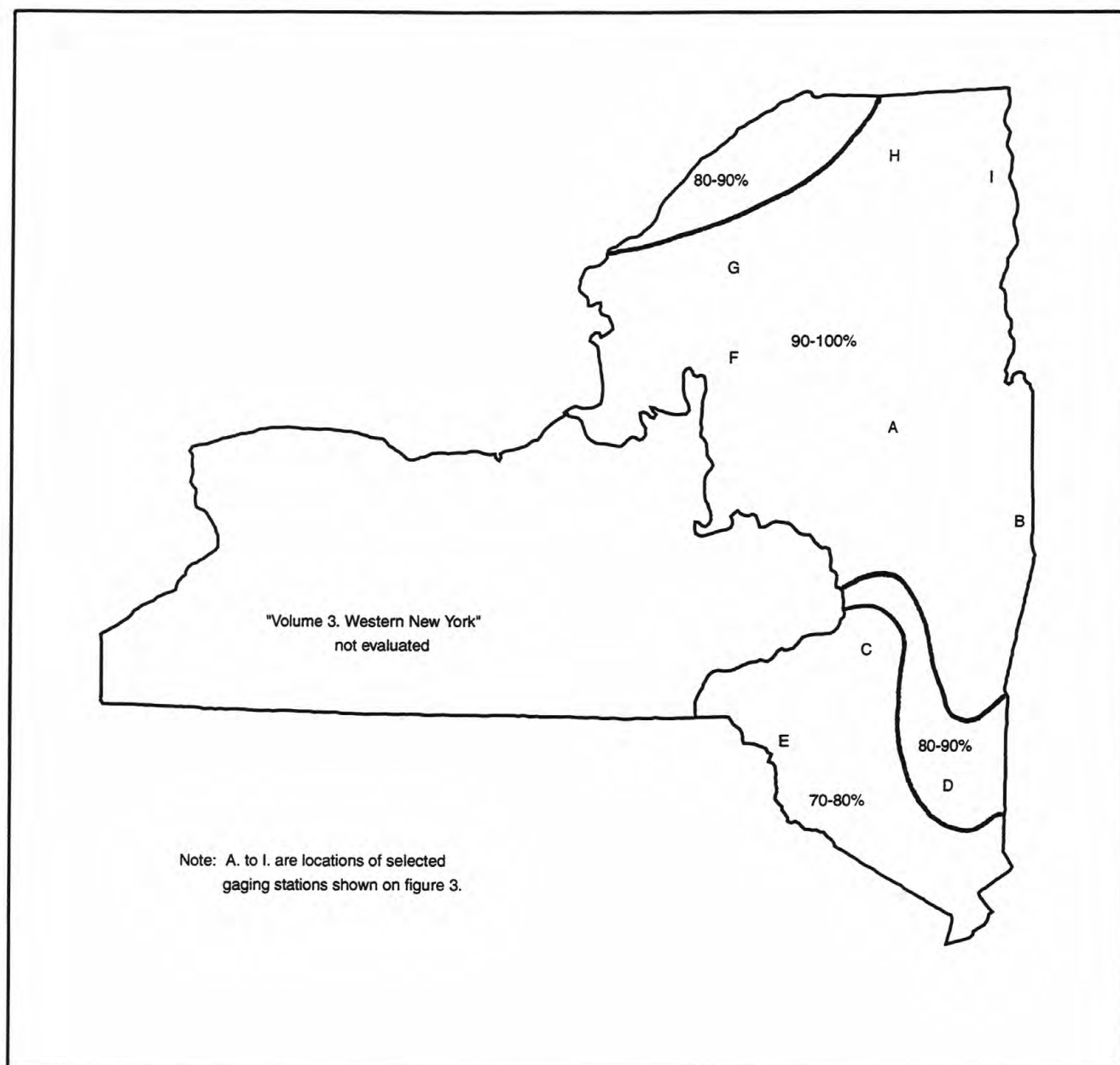


Figure 1.--2001 water year runoff as a percentage of the average annual runoff for 1940-99 for eastern New York excluding Long Island.

WATER RESOURCES DATA FOR NEW YORK, 2001
SUMMARY OF HYDROLOGIC CONDITIONS--Continued

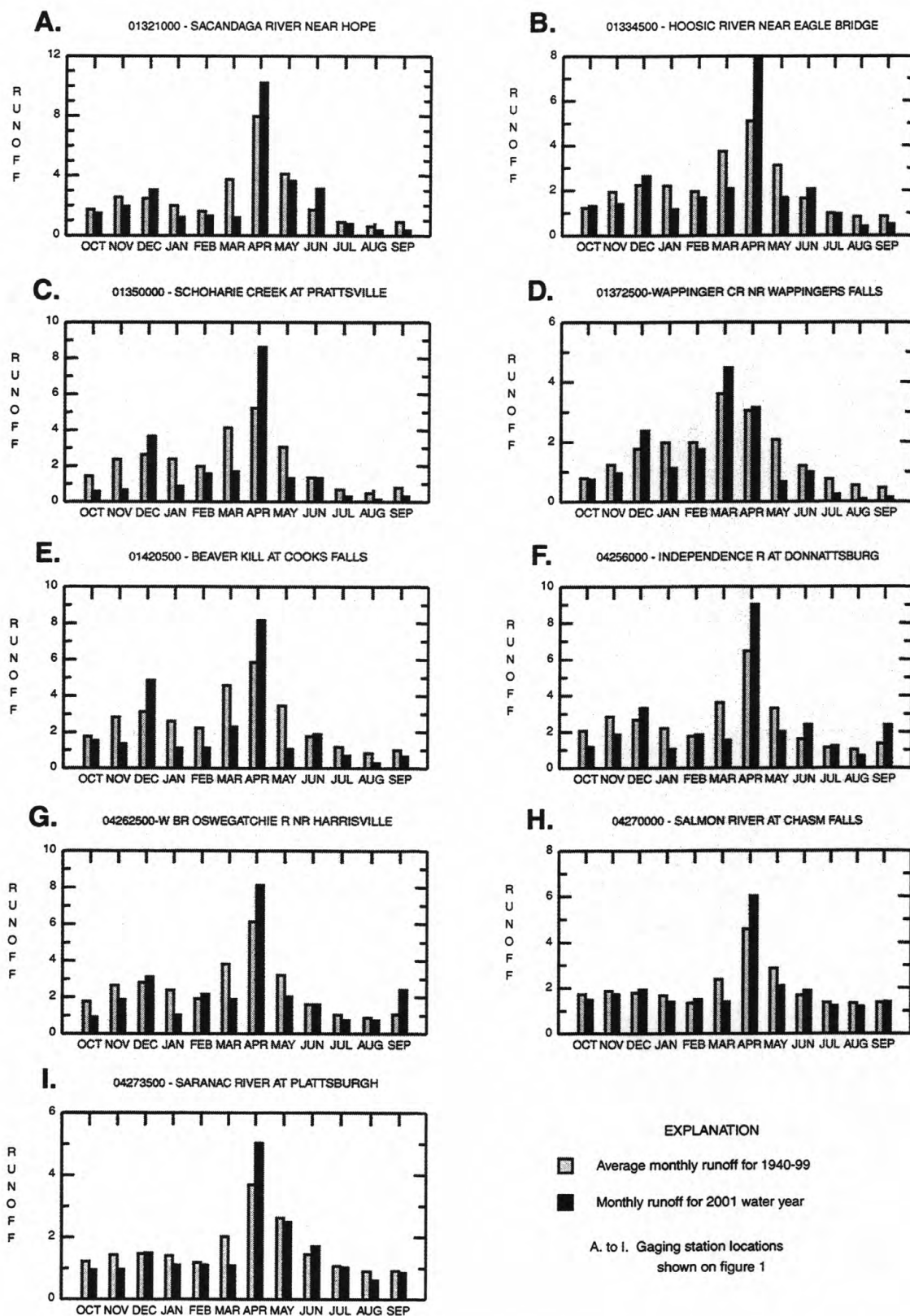


Figure 3.--Comparison of monthly runoff (in inches) for 2001 water year and average monthly runoff for 1940-99 for selected gaging stations in eastern New York (site locations are shown on figure 1).

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

March brought cold, snowy weather to eastern New York. This was the third wettest March on record; precipitation was 1 to 5 inches above normal. The northern Catskill Mountains and Champlain Valley received more than twice the normal precipitation. Snowfall depths ranged from 10 inches in the lower Hudson River Valley to more than 80 inches in the southern Adirondack Mountains. Most of eastern New York received 40 to 60 inches of snow. March streamflow remained well below normal in all areas except the lower Hudson River Valley because the bulk of the moisture was in snow. Runoff at Wappinger Creek was well above the 25-percent exceedence level from mid-March into April. The Great Sacandaga Lake was being drawn down in anticipation of the snowmelt. The New York City reservoir system was approaching 90 percent of capacity, the normal level.

April 2001 was the driest April since records in New York were started in 1895. Eastern New York received about 1 inch of precipitation, approximately one-third of normal, and the St. Lawrence and Champlain Valleys received only 20 percent of the normal rainfall. April air temperatures were about normal north of the Mohawk River Valley and 2 to 3°F above normal from there southward. The snow that accumulated during the winter melted off slowly and caused no major flooding, although runoff was 1 to 3 inches above normal. The New York City Reservoir System was at 100 percent of capacity. The level of the Great Sacandaga Lake rose from 25 percent of capacity to 80 percent by the end of the month.

May brought the return of near-normal rainfall. The Champlain Valley was the wettest area, whereas precipitation in the Hudson Valley was 1 to 2 inches below normal. Air temperatures were 1 to 4°F above normal. Streamflow was about one-half of normal throughout eastern New York. Runoff at Beaver Kill at Cooks Falls and Wappinger Creek in southeastern New York was about 30 percent of normal for May. Reservoir levels remained at near normal levels.

June air temperatures averaged from near normal to 4°F above the long-term average. Rainfall ranged from 2 inches below normal in the St. Lawrence Valley to 4 inches above normal in the lower Hudson Valley. Runoff was near normal at many sites in southeastern New York, and about 1 inch above normal in the Adirondack Mountain region. Reservoirs in the New York City system were at 95 percent of capacity, and the Great Sacandaga Lake was about 90 percent full.

July brought cool, dry weather to eastern New York. Air temperatures were about 1 to 4°F below normal. Rainfall was slightly above normal in the eastern Mohawk River Valley but was 1 to 2 inches elsewhere. July streamflow was well below normal in the Catskill Mountains and the Hudson River Valley, but was normal in the northern Adirondack Mountains. Reservoir levels remained near normal.

August replaced the cool July temperatures with temperatures that averaged 3 to 6°F above normal throughout eastern New York. The mountainous regions received near normal rainfall in August, but there was a 1 to 2-inch deficit in the lowlands. The Lake Champlain, Hudson and Mohawk Valleys, and the Catskill Mountain regions, were classified as being in a "moderate drought" by the Palmer Drought Severity Index. Below-normal runoff was found throughout eastern New York; runoff in the southern part was less than half of normal. A series of storms during the latter part of August increased streamflow in the Adirondack Mountain region. Reservoir contents decreased about 10 percent from July levels but remained within the normal range.

The drought conditions of August were eased by above-normal rainfall during September. Precipitation was 2 to 4 inches above normal in the western regions of the Adirondack and Catskill Mountains and normal elsewhere. September air temperatures were near normal. Runoff remained about 0.5 inch below normal in the Catskill Mountains and lower Hudson Valley but was normal from there northward. New York City Reservoir contents remained about 10 percent below normal, whereas the Great Sacandaga Lake level was about 10 percent above normal.

Daily-discharge hydrographs for the 2001 water year at two unregulated gaging stations in eastern New York--Wappinger Creek near Wappingers Falls, in Dutchess County and West Branch Oswegatchie River near Harrisville, in St. Lawrence County are presented in figures 4 and 5. Streamflow at Wappinger Creek was above the median-daily discharge (1952-2000) during the fall and early winter. An intense rainstorm in December and snowmelt runoff in the spring resulted in streamflow well above the 25-percent exceedence level; but streamflow of this river was well below normal through the rest of the year. Streamflow of West Branch Oswegatchie River increased to well above the 20-percent exceedence level many times during the year, and periods of below-normal flow were short.

Water Quality

Water-quality data in this report provide information on water temperature, specific conductance, concentrations of nutrients, major ions, pesticides, polychlorinated biphenyls (PCBs), sediment, and other constituents 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 generally published in separate reports.

Data on water-surface elevation, specific conductance, and water-temperature data were collected from five sites in the Hudson River estuary 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). Measurements at each site were within the range reported for the sites' period of record. The salt front in 2001 moved within a 70-mile range--from 8 to 78 miles upstream from the Battery in New York City. This range has been exceeded only once during 10 years of data collection; in 1995 the salt front moved upstream to as much as 82 miles above the Battery. The salt front reached or passed the Poughkeepsie gage (01372058, 72.3 miles above the Battery) on 10 days in water year (WY) 2001, on 24 days in WY 1999, on 15 days in WY 1996, on 51 days in WY 1995, and on 18 days in WY 1993.

Daily minimum, maximum, and mean water-temperature data for two sites in the Hudson River basin and 13 sites in the Delaware River basin are presented. The maximum recorded water temperature at both sites in the Hudson River basin was 23.5°C on August 24, 2001 at the Diversion from Schoharie Reservoir and 25.0°C on August 31, 2001 at Esopus Creek at Coldbrook. The maximum recorded water temperature at sites in the Delaware River basin was 31.0°C on July 25, 2001 on Delaware River at and near Barryville. Water temperatures were within the ranges reported for the period of record at all sites, except at the Diversion from Schoharie Reservoir where a new maximum for period of record (4 years) was recorded.

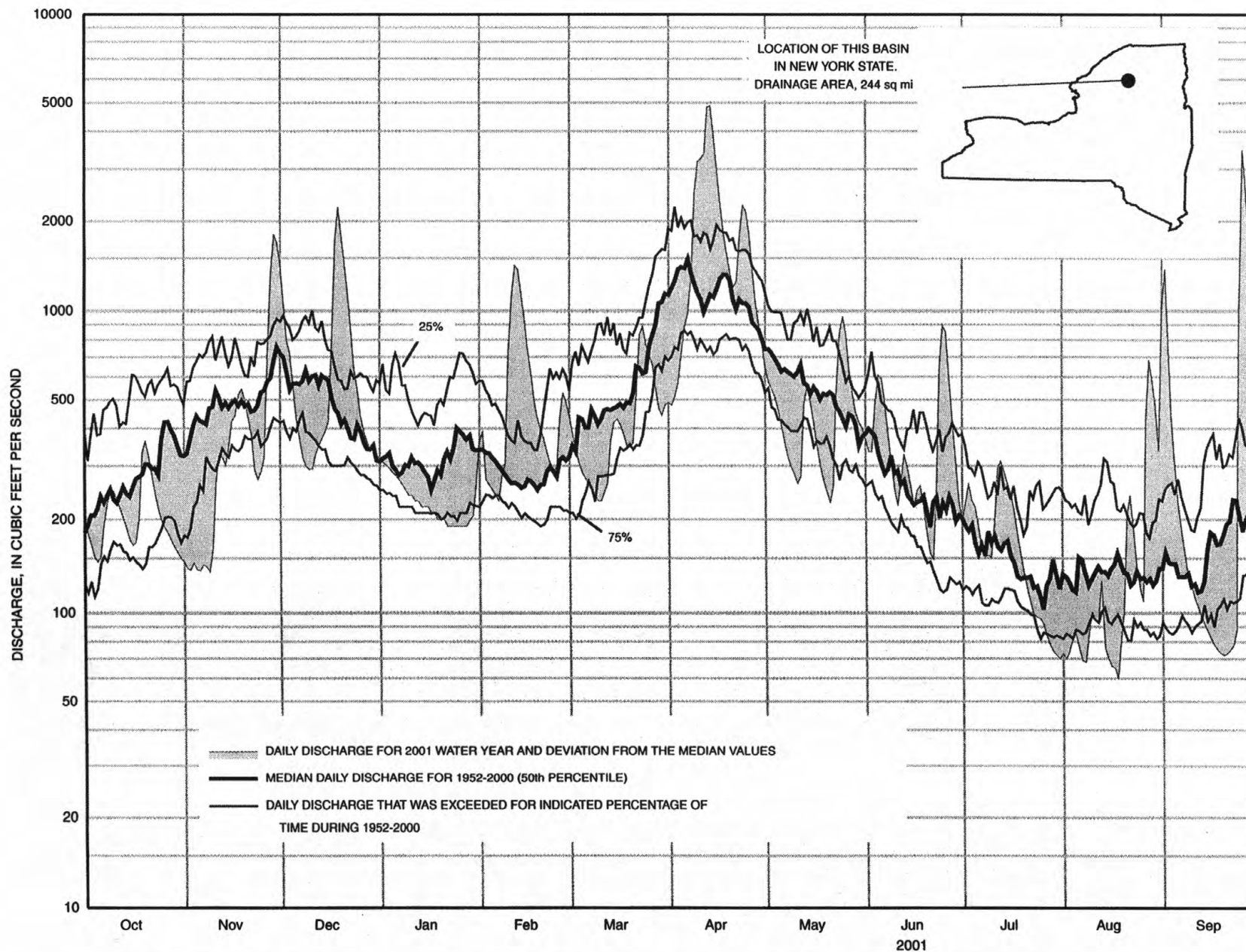


FIGURE 4.--HYDROGRAPHIC COMPARISONS, WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, NY

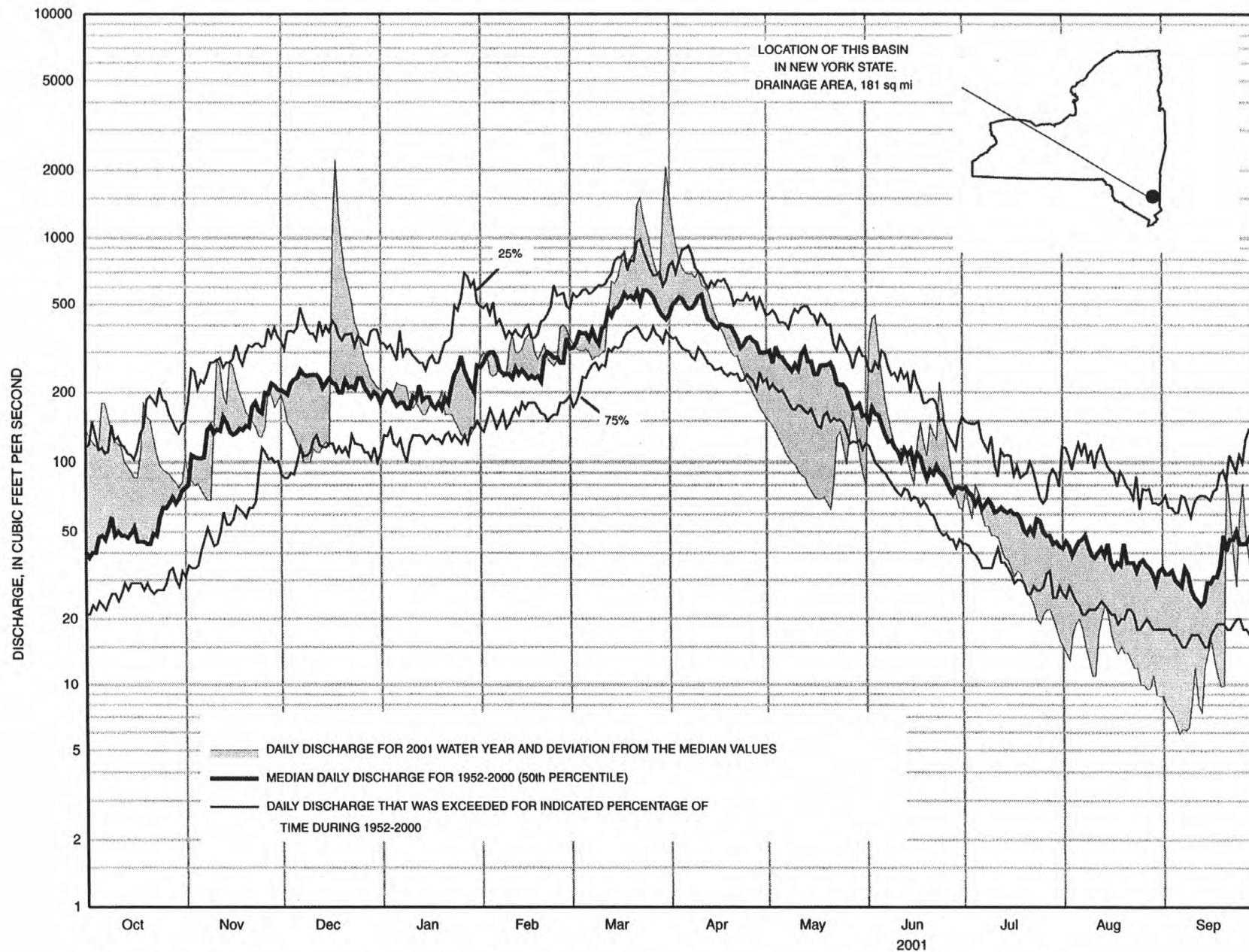


FIGURE 5.--HYDROGRAPHIC COMPARISONS, WAPPINGER CREEK NEAR WAPPINGERS FALLS, NY

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

Water samples were collected in the upper Hudson River to monitor PCB movement and sediment concentrations. Periodic PCB data from three sites and daily sediment data from two sites are presented. Most PCB concentrations (70 percent) were below the method detection limit, all PCB concentrations were within the range reported for each site's period of record. The maximum daily mean suspended-sediment concentration for period of record at Hudson River at Stillwater was exceeded on Dec. 17, 2000, by a daily mean concentration of 450 mg/L; sediment concentrations at the other sites were within reported ranges for period of record.

Data from 48 surface-water sites sampled during low flow conditions in the Pepacton Reservoir Watershed (East Branch Delaware River basin) in Delaware, Greene, and Ulster Counties are presented. These data describe the water's physical properties and concentrations of major ions, nutrients, and agricultural pesticides and pesticide-degradation products. Samples collected at 26 sites were analyzed for pesticides; samples from 11 of these sites contained one or more pesticides.

Data collected for the Hudson River basin NAWQA program describe the physical properties, and concentrations of pesticides, sediment, nutrients, and major ions, at four surface-water sites in the basin. Data collected for the Statewide Pesticide Monitoring project describe the concentrations of pesticide and pesticide-degradation products at 6 ground-water sites and 22 surface-water sites statewide, and are published in volume 3 (western New York). Samples from 21 of the surface-water sites, and all 6 of the ground-water sites contained one or more pesticides. Data collected at 10 sites on reservoirs for the New York City Reservoir Pesticide Monitoring project and at the Poughkeepsie water-treatment plant characterize pesticide concentrations in water used for public drinking-water supplies; samples from 6 of the reservoirs and the water-treatment plant contained one or more pesticides. Data from the Croton Pesticide Monitoring project describe the concentrations of pesticides and pesticide-degradation products of 30 surface-water sites in the Croton River basin that receive urban and residential runoff; samples from 28 of these sites contained one or more pesticides.

Surface-water data collected at five sites and ground-water data collected at nine sites in the Delaware River basin in New York for the Delaware River basin NAWQA program describe the water's physical properties and the concentrations of pesticides, sediment, nutrients, and major ions. One or more pesticides were detected in samples from Callicoon Creek at Callicoon (01427500), Mongaup River at Mongaup (01433510), and Delaware River at Port Jervis (01434000); no pesticides were detected in samples from Halfway Brook at Barryville (01432180) or Neversink River near Claryville (01435000).

Ground Water

Ground-water levels in shallow, unconfined aquifers 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 local 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 and thereby reduce the rate of recharge. Storms, if of sufficient intensity and duration, can provide minor recharge to shallow aquifers during summer. Precipitation in New York is (on the average) fairly 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 typically are less responsive to individual recharge events than unconfined aquifers. Water levels in confined aquifers generally show a subdued and delayed water-level response to individual 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.

The minimum, maximum, and median long-term monthly water levels and the water levels at five selected observation wells during the 2001 water year are plotted in hydrographs in figure 6. The hydrographs for well A-636 in Albany County (east-central New York) and well Du-1009 in Dutchess County (southeastern New York) illustrate seasonal water-level fluctuations in shallow, unconfined sand aquifers. Water levels in well A-636 were at or above the median height from October through April, and below median height from May through September. Water levels in well Du-1009 were below the median height during most of the water year (sporadic measurements).

Water-level conditions at well Oe-151 in Oneida County (northern New York) and St-40 in St. Lawrence County (extreme northern New York) also reflect seasonal fluctuations under natural (nonpumping) conditions in shallow, unconfined sand aquifers. Water levels in well Oe-151 were below the median height during most of the water year except in October and mid-April to mid-May, when they were at or above the median height. Water levels in well St-40 were at or above the median height from October through April, and below median height from May through September.

The hydrograph for well Sa-1100 in Saratoga County (east-central New York) illustrates water-level fluctuations in a confined sand and gravel aquifer that are affected by pumping from a nearby public-supply well. Water levels in this well were above the median for October through mid-May and the month of June, and were at or below the median for the second half of May and then July through September. Between April and September 2001, water levels dropped 50 feet because of increased pumping and low recharge.

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

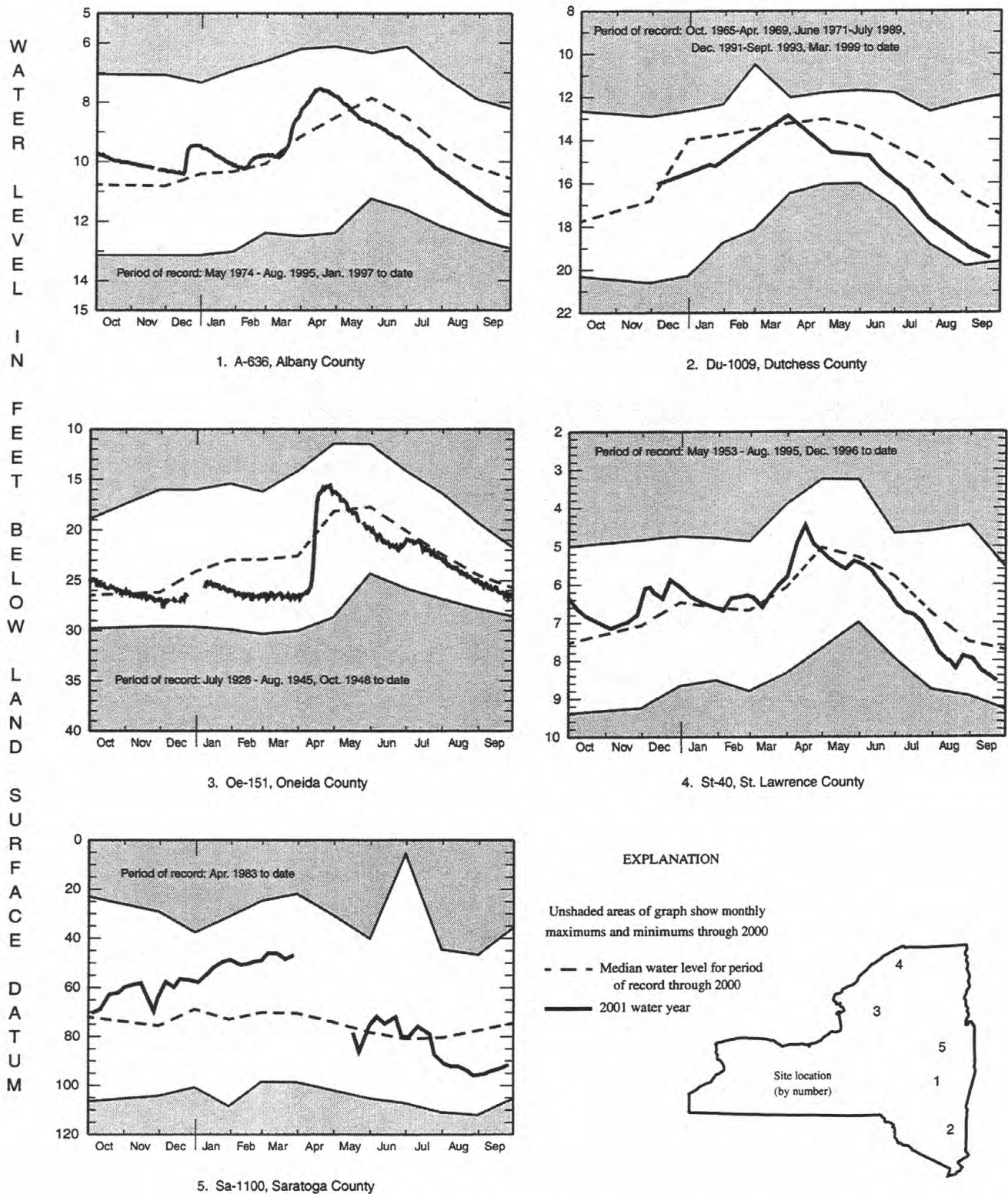


Figure 6.--Ground-water levels at selected observation wells in eastern New York.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the streamflow in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities. At 10 of these sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the affects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at <http://water.usgs.gov/hbn/>.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations were operated in the Mississippi, Columbia, Colorado, and Rio Grande. For 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia 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 Program (NAWQA); (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 can be found at <http://water.usgs.gov/nasqan/>.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides 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 a network of 225 precipitation chemistry monitoring 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 all data from the individual sites, can be found at <http://bqs.usgs.gov/acidrain/>.

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey 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; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 59 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 will be 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 decision making by water-resources managers 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 can be found at http://water.usgs.gov/nawqa/nawqa_home.html/.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2001 water year that began October 1, 2000, and ended September 30, 2001. 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 indentation in the "List of Stations" in the front of this report. Each indentation represents one rank. This downstream order and system of indentation show which stations are on tributaries between any two stations and the rank of the tributary 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.)

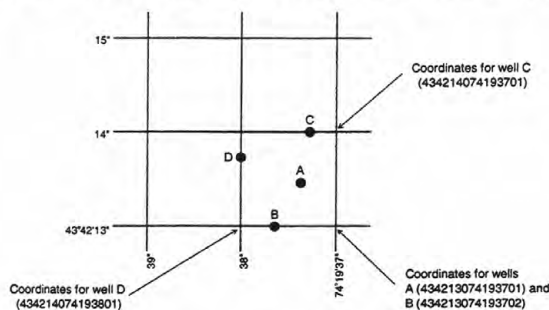


Figure 7. System for numbering wells (latitude and longitude)

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 fluctuations 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 resurveys 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 sea level (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 local standard time. 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 is usually 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, $(\text{ft}^3/\text{s})/\text{mi}^2$) 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 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. 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 frequently. 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:

<u>Printed Output</u>	<u>Remark</u>
E	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
K	Results based on colony count outside the acceptance range (non-ideal colony count).
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted).
D	Biological organism count equal to or greater than 15 percent (dominant).
V	Analyte was detected in both the environmental sample and the associated blanks.
&	Biological organism estimated as dominant.
M	Presence verified, not quantified.

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, preservation, 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) sea level; 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, 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 the table for converting English units to International System Units (SI) on the inside of the back cover.

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.

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.

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 to 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 polychlorinated 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 weight percent of the hydrogen substituted chlorine.

Artificial substrate is a device that is purposely 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 taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate 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 the 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")

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while 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.

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 peaks per year will be published.

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.

Bedload is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to 0.5 ft) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler may also contain a component of the suspended load.

Bedload discharge (tons per day) is 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" and "Sediment")

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

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 the mass per unit area or volume of habitat.

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

Blue-green algae (Cyanophyta) are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Bottom material (See "Bed material")

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 are generally reported as cells or units per milliliter (mL) or liter (L).

Cells volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used 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 on 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:

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

pi is the ratio of the circumference to the diameter of a circle; pi = 3.14159...

From cell volume, total algal biomass expressed as biovolume ($\mu\text{m}^3/\text{mL}$) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes over all species.

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

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 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 waters and of the survival and transport of viruses in the environment.

Color unit is produced by one 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 boundaries. 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 downstream from a gaging station that physically influences the water-surface elevation and thereby determines the stage-discharge relation at the station. 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-feet" sometimes is used synonymously with "cubic feet per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day , $[(\text{ft}^3/\text{s})/\text{d}]$) 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 are numerically 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, $(\text{ft}^3/\text{s})/\text{mi}^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming runoff is distributed uniformly in time and area. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Mean concentration of suspended sediment," "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 periodic sample or 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 are usually 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 UTM coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

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 sediments or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., 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 chemical constituents, 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) (HShannon Index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

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

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. Diversity 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")

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded 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 and subsequent transfer to EIA medium. Enterococci include *Streptococcus faecalis*, *Streptococcus faecium*, *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 are generally considered pollution sensitive, the index usually decreases with pollution.

Escherichia coli (E. coli) are bacteria present in the intestine and feces of warm-blooded 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. 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 qualitatively identified as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with and '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 (<).

Euglenoids (Euglenophyta) are a group of algae that are usually 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 semi-volatile and extractable by ethyl acetate from air-dried streambed sediments. 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 sediments.

Fecal coliform bacteria are present in the intestine or feces of warm-blooded animals. They are often 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 intestine of warm-blooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria which 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 larger than the maximum depth of water. Because the gage datum itself is not an actual physical object, the datum usually is 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 elevation 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 is often 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. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

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.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

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 is commonly 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 which uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

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

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 benchmark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a benchmark station may be used to separate effects of natural from human-induced changes in other basins that have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped benchmark basin.

Hydrologic index stations are continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions.

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.) 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. (See also "Annual runoff")

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

Laboratory Reporting Level (LRL) is generally 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 non-detection 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 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 based on the most current quality-control data and may, therefore, change. [Note: In several previous NWQL documents (Connor and others, 1998; NWQL Technical Memorandum 98.07, 1998), the LRL was called the non-detection value or NDV-a term that is no longer used.]

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

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

$$I = I_0 e^{-\lambda L}$$

where I_0 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

$$\lambda = -\frac{1}{L} \log_e \frac{I}{I_0}$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principle 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 are usually 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 the water surface in a well is measured to obtain the water level.

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.

Methylene blue active substances (MBAS) are apparent detergents. 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 mg/L 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 (Timme, 1995).

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 of 1929) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly 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 Vertical Datum of 1988 (NAVD 1988) is a fixed reference adopted as the official civilian vertical datum of elevations determined by Federal surveying and mapping activities in the U.S. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and U.S. 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 sediments. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or volatile mass of the 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 (m²), 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 utilizes 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:

<u>Classification</u>	<u>Size (mm)</u>	<u>Method of analysis</u>
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

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. 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 stream-flows 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 to 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 determined by using a clinometer to estimate left and right bank shading. The values are added together and divided by 180 to determine percent shading relative to a horizontal surface.

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. While 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 are termed "acidic," and solutions with a pH greater than 7 are termed "basic." Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

Phytoplankton is the plant part of the plankton. They are usually 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 are commonly 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.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic 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 [$\text{mg C}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg C}/(\text{m}^3/\text{time})$] for phytoplankton. 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 in unenriched waters. 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 [$\text{mg O}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg O}/(\text{m}^3/\text{time})$] for phytoplankton. 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 an element 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.

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 non-exceedance 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 non-exceedances of the $7Q_{10}$ occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. 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")

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 used to denote location along a river.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin in 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. See conversion of units page (inside back cover) for identification of the datum used in this report.

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 influenced by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

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-run 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 "Recurrence interval" and "Annual 7-day minimum")

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.

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/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 waters, to evaluate mixing of different waters, 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 (<2mm, sand or finer). Below are the class categories expressed as percent covered by fine sediment:

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

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 ft) of the bed material such as that material which is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is operationally defined 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 material collected on the filter or, more commonly, by difference, based on 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 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment 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/day) 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 (ft³/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, 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, based on determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

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.

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic 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 richness is the total number of distinct species or groups and usually decreases with pollution. (See also "Percent shading")

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical 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:	Arthropoda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	<i>Hexagenia</i>
Species:	<i>Hexagenia limbata</i>

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 tons 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 warm-blooded 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 mL 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 bedload 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 "Sediment," "Suspended sediment," "Suspended-Sediment Concentration," "Bedload," and "Bedload discharge")

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")

Trophic group: **Filter feeder** - diet composed of suspended plant and/or animal material.

Herbivore - diet composed predominantly of plant material.

Invertivore - diet composed predominantly of invertebrates.

Omnivore - diet composed of a least 25-percent plant and 25-percent animal material.

Piscivore - diet composed predominantly of fish.

Turbidity is the reduction in the transparency of a solution due to 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 wave-length 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 EPA 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. Consequently, the method of measurement and type of instrument used to derive turbidity records should be included in the "REMARKS" column of the Annual Data Report.

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 pathlength of UV light through a sample.

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 are often 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 (U.S. Environmental Protection Agency, 1996).

Water table is the level in the saturated zone at which the pressure is equal to the atmospheric pressure.

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

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, 2001, is called the "2001 water year."

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 are often 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 food web. The zooplankton community is dominated by small crustaceans and rotifers. (See also "Plankton")

- Baldigo, B.P. and Baudanza, T.P., 2001, Copper avoidance and mortality of juvenile brown trout (*Salmo trutta*) in tests with copper-sulfate-treated water from West Branch Reservoir, Putnam County, New York: U.S. Geological Survey Water-Resources Investigations Report 99-4237, 25 p.
- Baldigo, B.P. and Lawrence, G.B., 2001, Effects of stream acidification and habitat on fish populations of a North American river: *Aquatic Sciences*, v. 63, p. 196-222.
- Brightbill, R.A. and Bilger, M.D., 2001, Fish-community composition in Ouleout Creek, in the vicinity of East Sidney Lake, Delaware County, New York, 2000: U.S. Geological Survey Open-File Report 01-80, 12 p.
- Clawges, Rick, Rowe, Barbara, and Zogorski, John, 2001, National survey of MTBE and other VOCs in community drinking-water sources: U.S. Geological Survey Fact Sheet FS-064-01, 4 p.
- de Vries, M.P., and Weiss, L.A., 2001, Salt-front movement in the Hudson River Estuary, New York--Simulations by one-dimensional flow and solute-transport models: U.S. Geological Survey Water-Resources Investigations Report 99-4024, 69 p.
- Driscoll, C.T.; Lawrence, G.B.; Bulger, A.J.; Butler, T.J.; Cronan, C.S.; Eagar, Christopher; Lambert, K.F.; Likens, G.E.; Stoddard, J.L.; and Weathers, K.C., 2001, Acidic deposition in the northeastern United States --sources and inputs, ecosystem effects, and management strategies: *BioScience*, v. 51, no. 3, p. 180-198.
- Eckhardt, D.A.V., Hetcher, K.K., Phillips, P.J., and Miller, T.S., 2001, Pesticides and their metabolites in community water-supply wells of central and western New York, August 1999: U.S. Geological Survey Water-Resources Investigations Report 00-4128, 12 p.
- Kennedy, Gregory and Kappel, W.M., 2000, Survey of Lake Ontario bottom sediment off Rochester, New York, to define the extent of jettisoned World War II materiel and its potential for sediment contamination: U.S. Geological Survey Open-File Report 99-237, 23 p.
- Kontis, A.L., 2001, Computer program for simulation of variable recharge with the U.S. Geological Survey modular finite-difference ground-water flow model (MODFLOW): U.S. Geological Survey Open-File Report 00-173, 75 p.
- Lawrence, G.B., Burns, D.A., Baldigo, B. P., Murdoch, P. S., and Lovett, G. M., 2001, Controls of stream chemistry and fish populations in the Neversink watershed, Catskill Mountains, New York: U.S. Geological Survey Water-Resources Investigations Report 00-4040, 16 p.
- Lincoln, T.A., Horan-Ross, D.A., McHale, M.R., and Lawrence, G.B., 2001, Quality-assurance data for routine water quality analyses by the U.S. Geological Survey laboratory in Troy, New York; July 1993 through June 1995: U.S. Geological Survey Open-File Report 01-071, 25 p.
- McHale, M.R. and Phillips, P.J., 2001, Stream-water chemistry, nutrients, and pesticides in Town Brook, a headwater stream of the Cannonsville Reservoir Watershed, Delaware County, New York, 1999: U.S. Geological Survey Water-Resources Investigations Report 01-4050, 19 p.
- Miller, T.S., 2000, Unconsolidated aquifers in Tompkins County, NY: U.S. Geological Survey Water-Resources Investigations Report 00-4211, 1 pl., scale 1:24,000.
- Moran, Michael, Grady, Stephen, and Zgorski, John, 2001, Occurrence and distribution of volatile organic compounds in drinking water supplied by community water systems in the Northeast and Mid-Atlantic regions of the United States, 1993-98: U.S. Geological Survey Fact Sheet, FS-089-01, 4 p.
- Randall, A.D., 2001, Hydrogeologic framework of stratified-drift aquifers in the glaciated northeastern United States: U.S. Geological Survey Professional Paper 1415-B, 179 p., 1 pl.
- Storck, D.A. and Nawyn, J.P., 2001, Reconstruction of streamflow records in the Passaic and Hackensack River Basins, New Jersey and New York, Water Years 1993-96: U.S. Geological Survey Water-Resources Investigations Report 01-4078, 89 p., 2 pls.
- Welch, L.J., Jr., and Butch, G.K., 2001, Evaluating selected scour equations for bridge piers in coarse streambeds in New York: *Proceedings of the Seventh Federal Interagency Sedimentation Conference*, March 25-29, 2001, Reno, Nevada, vol. 1, p. I-120-I-127.
- West, A.J., Findlay, S.E.G., Burns, D.A., Weathers, K.C., and Lovett, G. M., 2001, Catchment-scale variation in the nitrate concentrations of groundwater seeps in the Catskill Mountains, New York, USA: *Water, Air, and Soil Pollution*, v. 132, p. 389-400.
- Welsch, D.L., Kroll, C.N., McDonnell, J.J., and Burns, D.A., 2000, Topographic controls on the chemistry of subsurface stormflow: *Hydrological Processes*, v. 15, p. 1925-1938.
- Wolcott, S.W., and Coon, W.F., 2001, Simulation of a valley-fill aquifer system to delineate flow paths, contributing areas, and traveltime to wellfields in southwestern Broome County, New York: U.S. Geological Survey Water Resources Investigations Report 01-4171, 25 p.

The U.S.G.S. publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S.G.S., Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be made in the form of a check or money order payable to the "U.S. Geological Survey". Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations."

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

- 2-D1. *Application of surface geophysics to ground-water investigations*, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

Section E. Subsurface Geophysical Methods

- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W.S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W.S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

Section F. Drilling and Sampling Methods

- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

- 3-A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurement at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

- 3-A11. *Measurement of discharge by the moving-boat method*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 34 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 31 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.

Section B. Ground-Water Techniques

- 3-B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R.L. Cooley and R.L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R.L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E.J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 190 pages.
- 3-B8. *System and boundary conceptualization in ground-water flow simulation*, by T.E. Reilly: USGS--TWRI Book 3, Chapter B8. 2001. 29 pages.

Section C. Sedimentation and Erosion Techniques

- 3-C1. *Fluvial sediment concepts*, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS--TWRI Book 3, Chapter C2. 1999. 89 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

- 4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

- 4-A2. *Frequency curves*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

Section B. Surface Water

- 4-B1. *Low-flow investigations*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS--TWRI Book 4, Chapter 3B. 1973. 15 pages.

Section D. Interrelated Phases of the Hydrologic Cycle

- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

Book 5. Laboratory Analysis

Section A. Water Analysis

- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman, editors: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P.R. Barnett and E.C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

Section C. Sediment Analysis

- 5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

Book 6. Modeling Techniques

Section A. Ground Water

- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S.A. Leake and D.E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.
- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L.J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages.
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R.L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.
- 6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L.J. Torak: USGS--TWRI Book 6, Chapter A5, 1993. 243 pages.
- 6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by E.D. Swain and E.J. Wexler. 1995. 125 pages.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

- 8-A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

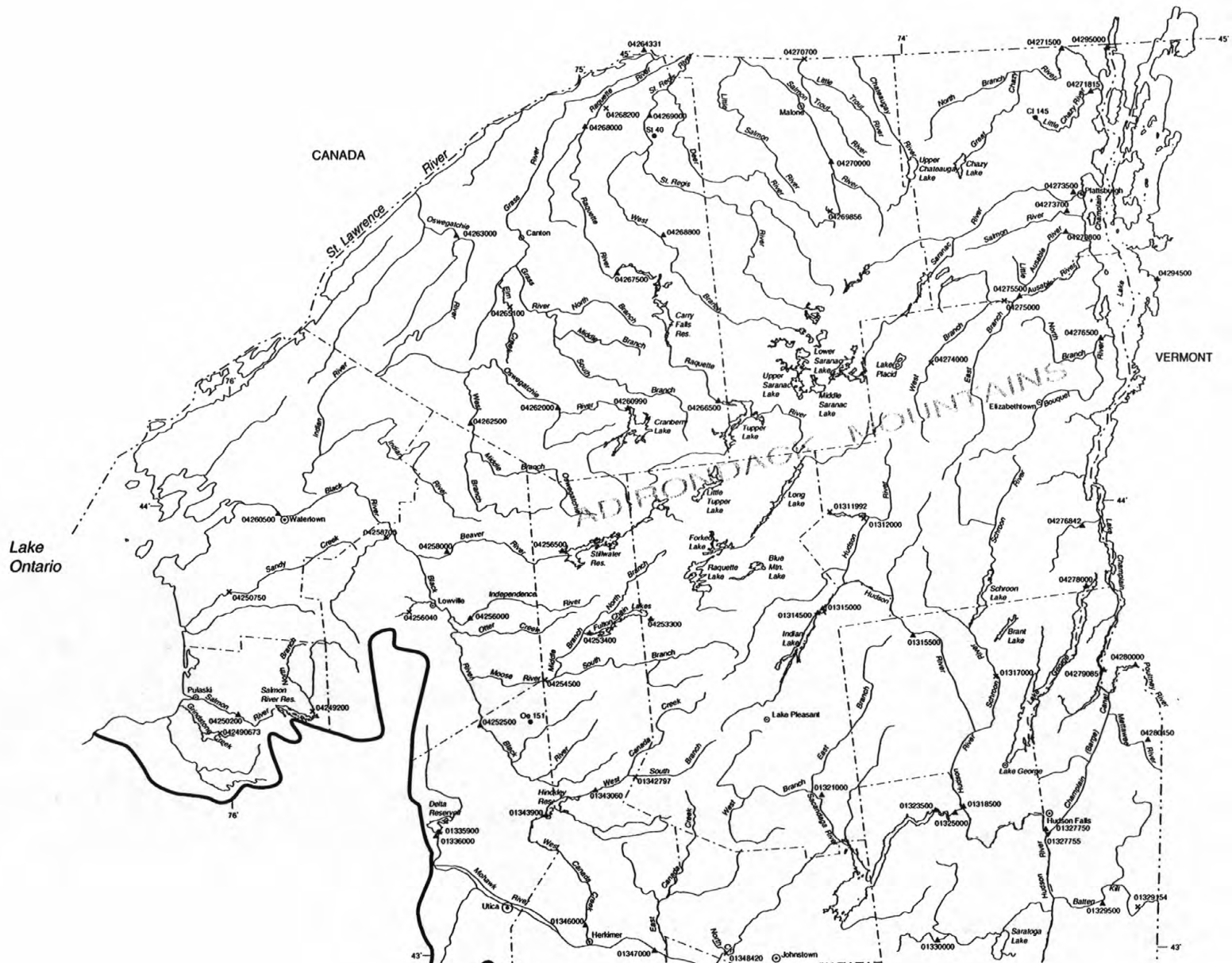
Section B. Instruments for Measurement of Discharge

- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

- 9-A1. *National Field Manual for the Collection of Water-Quality Data: Preparations for Water Sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A1. 1998. 47 pages.
- 9-A2. *National Field Manual for the Collection of Water-Quality Data: Selection of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A2. 1998. 94 pages.
- 9-A3. *National Field Manual for the Collection of Water-Quality Data: Cleaning of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A3. 1998. 75 pages.
- 9-A4. *National Field Manual for the Collection of Water-Quality Data: Collection of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A4. 1999. 156 pages.
- 9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A5. 1999. 149 pages.
- 9-A6. *National Field Manual for the Collection of Water-Quality Data: Field Measurements*, edited by F.D. Wilde and D.B. Radtke: USGS--TWRI Book 9, Chapter A6. 1998. Variously paginated.
- 9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, by D.N. Myers and F.D. Wilde: USGS--TWRI Book 9, Chapter A7. 1997 and 1999. Variously paginated.
- 9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom-Material Samples*, by D.B. Radtke: USGS--TWRI Book 9, Chapter A8. 1998. 48 pages.
- 9-A9. *National Field Manual for the Collection of Water-Quality Data: Safety in Field Activities*, by S.L. Lane and R.G. Fay: USGS--TWRI Book 9, Chapter A9. 1998. 60 pages.



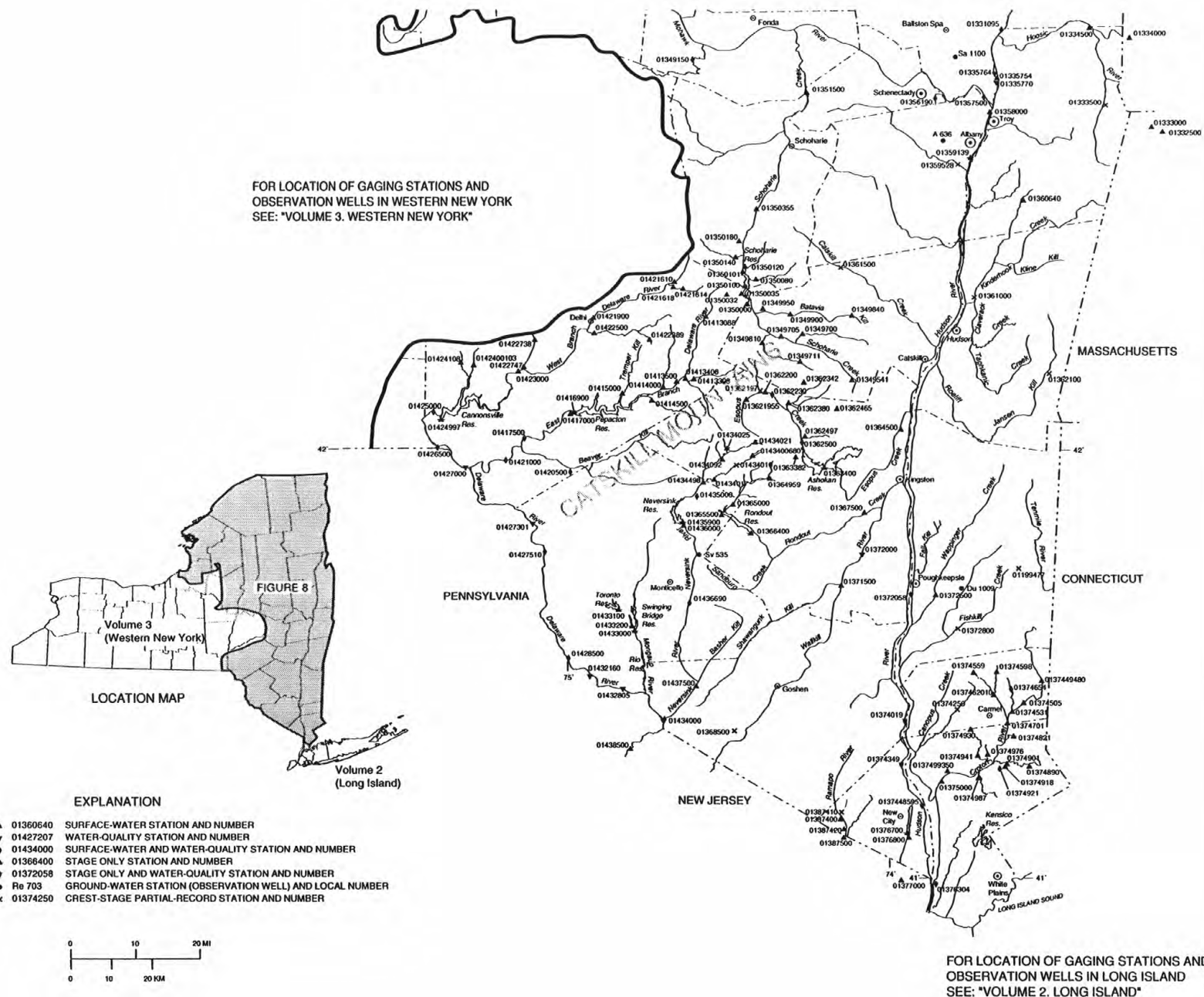


FIGURE 8.-- LOCATION OF GAGING STATIONS AND OBSERVATION WELLS

HUDSON RIVER BASIN

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 mi²

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.--Nonrecording gage read once daily. Datum of gage is sea level.

REMARKS.--Reservoir is formed by masonry dam, completed in 1898. Usable capacity, about 4.668 bil ft³ 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 ft³; minimum observed, about 1,616.8 ft, Feb. 13, 1948, contents, 0.20 bil ft³.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 1,651.70 ft, June 25, contents, 4.749 bil ft³; minimum observed, 1,637.58 ft, Apr. 9, contents, 2.352 bil ft³.

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

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1644.44	1642.95	1643.39	1646.27	1643.16	1642.11	1638.79	1651.30	1651.14	1650.64	1647.70	1645.35
2	1644.33	1642.91	1643.44	1646.20	1643.08	1642.07	1638.62	1651.43	1651.09	1650.75	1647.59	1645.27
3	1644.25	1642.85	1643.45	1646.09	1642.98	1642.01	1638.47	1651.43	1650.93	1650.61	1647.54	1645.18
4	1644.15	1642.83	1643.43	1646.01	1642.87	1641.97	1638.22	1651.42	1650.88	1650.55	1647.45	1645.09
5	1644.11	1642.78	1643.43	1645.91	1642.80	1641.89	1638.02	1651.34	1650.87	1650.35	1647.38	1645.01
6	1644.13	1642.74	1643.37	1645.82	1642.78	1641.92	1637.85	1651.19	1650.87	1650.21	1647.33	1645.01
7	1644.12	1642.72	1643.43	1645.68	1642.62	1641.85	1637.71	1651.03	1650.84	1650.02	1647.21	1644.83
8	1644.06	1642.64	1643.40	1645.56	1642.52	1641.68	1637.61	1651.03	1650.75	1649.84	1647.14	1644.69
9	1644.02	1642.58	1643.35	1645.49	1642.46	1641.57	1637.58	1650.95	1650.68	1649.67	1647.07	1644.58
10	1643.98	1642.68	1643.32	1645.42	1642.51	1641.50	1637.64	1650.93	1650.57	1649.48	1647.06	1644.48
11	1643.88	1642.74	1643.26	1645.30	1642.53	1641.42	1637.81	1650.93	1650.48	1649.34	1647.01	1644.39
12	1643.79	1642.84	1643.28	1645.20	1642.61	1641.30	1638.21	1650.88	1650.66	1649.36	1646.96	1644.32
13	1643.68	1642.95	1643.30	1645.11	1642.62	1641.26	1638.97	1650.94	1650.77	1649.28	1646.91	1644.24
14	1643.59	1642.99	1643.32	1644.99	1642.61	1641.18	1639.74	1650.99	1650.78	1649.21	1646.76	1644.14
15	1643.50	1643.06	1643.32	1644.89	1642.61	1641.06	1640.59	1650.93	1650.75	1649.11	1646.66	1644.03
16	1643.50	1643.11	1643.28	1644.77	1642.62	1640.96	1641.41	1650.91	1650.72	1649.02	1646.57	1643.92
17	1643.47	1643.11	1643.45	1644.69	1642.65	1640.84	1641.98	1650.88	1650.71	1648.90	1646.61	1643.83
18	1643.51	1643.14	1644.53	1644.58	1642.58	1640.75	1642.59	1650.91	1650.81	1648.83	1646.53	1643.71
19	1643.56	1643.19	1645.39	1644.48	1642.58	1640.66	1643.11	1650.86	1650.80	1648.72	1646.43	1643.61
20	1643.58	1643.17	1645.88	1644.34	1642.51	1640.55	1643.71	1650.87	1650.59	1648.65	1646.33	1643.52
21	1643.63	1643.18	1646.16	1644.27	1642.49	1640.44	1643.81	1650.86	1650.44	1648.57	1646.26	1643.58
22	1643.55	1643.16	1646.36	1644.13	1642.43	1640.44	1644.51	1650.78	1650.33	1648.48	1646.16	1643.49
23	1643.51	1643.13	1646.47	1644.07	1642.39	1640.38	1646.13	1651.03	1650.45	1648.40	1646.09	1643.42
24	1643.46	1643.11	1646.53	1643.96	1642.34	1640.26	1647.76	1651.23	1651.15	1648.31	1645.99	1643.36
25	1643.39	1643.08	1646.56	1643.82	1642.30	1640.08	1649.09	1651.56	1651.70	1648.25	1645.89	1643.41
26	1643.34	1643.06	1646.60	1643.71	1642.18	1639.92	1649.93	1651.55	1651.62	1648.17	1645.79	1643.56
27	1643.27	1643.09	1646.58	1643.62	1642.23	1639.71	1650.48	1651.47	1651.52	1648.12	1645.75	1643.61
28	1643.15	1643.20	1646.57	1643.49	1642.16	1639.54	1650.93	1651.49	1651.26	1648.01	1645.69	1643.56
29	1643.16	1643.27	1646.49	1643.39	---	1639.31	1651.08	1651.54	1651.07	1647.93	1645.59	1643.51
30	1643.08	1643.37	1646.34	1643.27	---	1639.11	1651.22	1651.51	1650.97	1647.83	1645.51	1643.46
31	1643.02	---	1646.39	1643.25	---	1639.05	---	1651.36	---	1647.76	1645.42	---
MEAN	1643.68	1642.99	1644.65	1644.77	1642.58	1640.86	1642.45	1651.15	1650.87	1649.11	1646.59	1644.14
MAX	1644.44	1643.37	1646.60	1646.27	1643.16	1642.11	1651.22	1651.56	1651.70	1650.75	1647.70	1645.35
MIN	1643.02	1642.58	1643.26	1643.25	1642.16	1639.05	1637.58	1650.78	1650.33	1647.76	1645.42	1643.36
#	3.214	3.287	3.775	3.244	3.080	2.555	4.290	4.653	4.552	4.021	3.619	3.293
**	-95.2	+28.2	+182	-198	-67.8	-196	+669	+136	-39.0	-198	-150	-126

CAL YR 2000 MEAN 1647.42 MAX 1652.46 MIN 1642.58 ** + 8.44

WTR YR 2001 MEAN 1645.35 MAX 1651.70 MIN 1637.58 ** - 5.58

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" (corrected), long 74°16'03" (corrected), 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 mi².

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 sea level. Prior to Aug. 30, 1916, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Indian Lake (see station 01314500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,460 ft³/s, Mar. 28, 1913, gage height, 7.8 ft; minimum, has been less than 1.0 ft³/s, when entire flow of river is stored in Indian Lake.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 769 ft³/s, May 2, gage height, 3.51 ft; minimum, 48 ft³/s, Aug. 22, gage height, 1.01 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	148	147	315	294	185	461	481	665	602	200	205
2	209	147	147	315	294	185	459	636	657	597	198	204
3	208	147	147	314	294	185	455	762	651	593	197	204
4	207	147	147	313	293	184	453	755	396	593	197	204
5	207	147	147	313	291	201	451	737	313	590	197	203
6	210	147	147	313	291	281	448	726	311	587	197	202
7	208	147	147	313	290	279	446	590	310	585	197	202
8	207	147	147	311	290	279	447	242	308	583	197	202
9	207	147	147	310	216	279	446	240	306	580	196	202
10	207	149	147	310	193	278	450	192	305	399	195	201
11	207	147	145	310	192	277	452	164	308	212	195	199
12	205	147	146	309	192	276	462	165	310	243	194	199
13	204	147	145	308	191	276	476	164	310	281	194	199
14	204	148	146	307	191	275	245	164	310	279	194	199
15	202	147	145	306	190	274	73	163	308	279	194	199
16	204	147	146	306	190	273	73	162	307	279	194	198
17	204	147	157	305	189	273	73	162	310	279	195	197
18	205	147	157	305	189	272	73	163	383	279	199	197
19	204	147	155	304	189	272	73	163	456	238	208	197
20	204	147	155	303	189	271	74	162	452	204	209	197
21	204	147	155	303	188	270	78	162	452	204	209	196
22	204	147	155	303	188	272	88	165	407	203	177	195
23	204	147	155	302	187	305	86	167	255	202	209	194
24	203	147	155	300	187	475	86	188	279	202	208	195
25	202	147	155	300	187	475	83	332	482	202	208	199
26	202	148	155	300	186	474	83	551	741	202	207	188
27	202	147	230	298	185	472	157	537	694	201	207	124
28	202	147	316	297	185	469	464	543	642	201	207	131
29	202	147	316	297	---	466	471	595	617	201	207	135
30	202	147	316	297	---	466	477	703	607	200	206	135
31	166	---	316	294	---	464	---	679	---	200	205	---
TOTAL	6315	4415	5391	9481	6141	9683	8663	11615	12852	10500	6197	5702
MEAN	204	147	174	306	219	312	289	375	428	339	200	190
MAX	210	149	316	315	294	475	477	762	741	602	209	205
MIN	166	147	145	294	185	184	73	162	255	200	177	124

ADJUSTED FOR CHANGE IN CONTENTS OF INDIAN LAKE

MEAN	109	175	356	108	151	116	958	510	389	141	49.9	64.2
CFSM	0.82	1.33	2.70	0.82	1.15	0.88	7.26	3.87	2.95	1.07	0.38	0.49
IN	0.95	1.48	3.11	0.94	1.19	1.01	8.10	4.46	3.29	1.23	0.44	0.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2001, BY WATER YEAR (WY)

MEAN	267	220	260	361	410	284	200	316	257	273	356	344
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	.74	3.13	36.7	5.69	2.51	2.42	3.30	4.43	47.7	24.9
(WY)	1919	1914	1931	1924	1945	1925	1927	1958	1958	1931	1975	1965

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

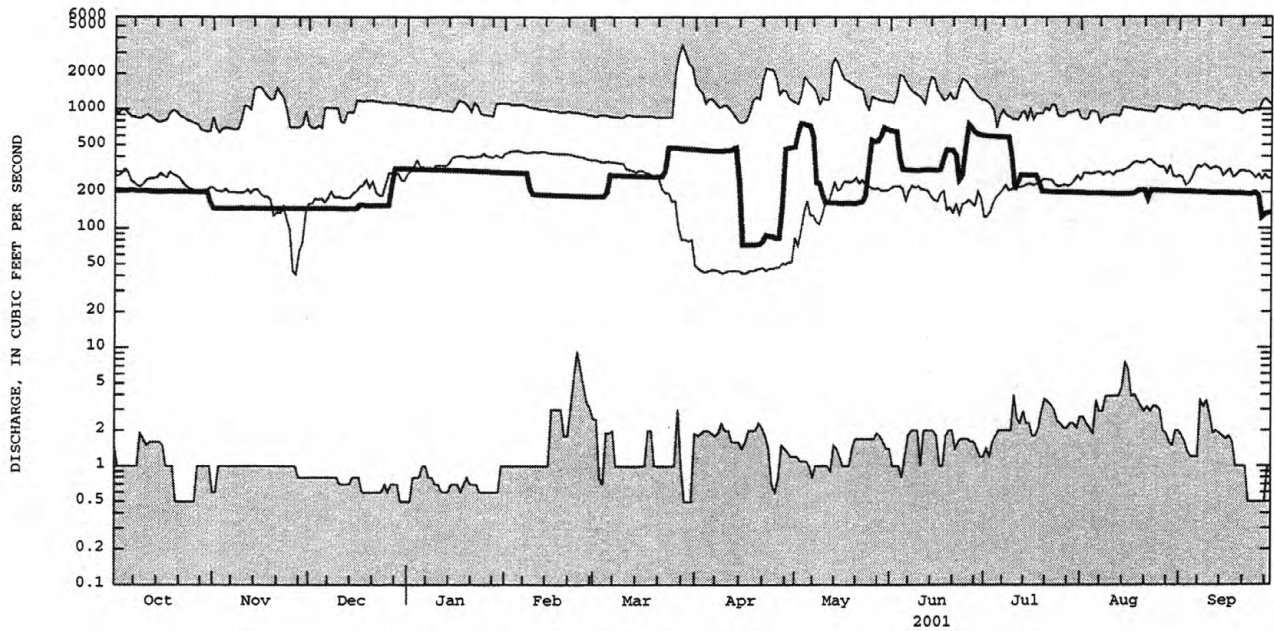
FOR 2001 WATER YEAR

WATER YEARS 1912 - 2001

ANNUAL TOTAL	124893	96955	
ANNUAL MEAN	341	266	296
ANNUAL MEAN (ADJUSTED)	349	260	
HIGHEST ANNUAL MEAN			457
LOWEST ANNUAL MEAN			106
HIGHEST DAILY MEAN	1180	Apr 6	762
LOWEST DAILY MEAN	145	Dec 11	73
ANNUAL SEVEN-DAY MINIMUM	146	Dec 10	74
ANNUAL RUNOFF (CFSM, ADJUSTED)	2.65		1.97
ANNUAL RUNOFF (INCHES, ADJUSTED)	35.93		26.78
10 PERCENT EXCEEDS	719		473
50 PERCENT EXCEEDS	211		204
90 PERCENT EXCEEDS	147		147
			8.8

HUDSON RIVER BASIN

01315000 INDIAN RIVER NEAR INDIAN LAKE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

47

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 mi².

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 sea level. 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 ft³/s, Dec. 31, 1948, gage height, 12.14 ft; minimum, 79 ft³/s, Sept. 5, 6, 1999, gage height, 1.94 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,200 ft³/s, Apr. 24, gage height, 9.71 ft; minimum, 236 ft³/s, Sept. 17, gage height, 2.39 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	532	611	e1300	e1000	e680	e620	1010	4370	2590	1820	321	532
2	444	581	e1100	e1000	e680	e600	811	4480	2630	2010	443	575
3	473	563	e1000	e1000	e700	606	972	5040	2640	1880	378	590
4	487	553	e920	e1000	e700	604	896	5100	3370	1570	515	451
5	486	562	e840	e940	e680	598	948	4600	3110	1690	421	434
6	648	584	786	e920	e680	691	1040	4010	2530	1530	360	413
7	896	578	733	e900	e680	781	1100	3360	2100	1360	450	390
8	845	559	666	e880	e660	763	1260	2510	1680	1170	302	456
9	809	584	661	e860	e640	729	1480	1900	1480	1230	431	398
10	661	805	630	e860	e700	718	2170	1700	1270	1220	325	293
11	654	1180	e620	e840	e900	e700	3040	1450	1160	841	470	311
12	637	1400	e620	e820	e1100	e680	4270	1530	1940	953	400	323
13	611	1220	e600	e820	e1300	e680	6790	1810	1670	945	273	323
14	591	1080	e600	e800	e1200	e680	8360	2170	1500	1040	420	315
15	582	1120	e660	798	e1100	e700	7840	1660	1270	1040	290	381
16	655	1310	e760	798	e1000	e700	7380	1360	1100	853	416	344
17	1040	1170	e1700	e780	941	e680	6710	1320	1840	805	317	244
18	1280	1100	6630	e780	886	e680	6080	1030	2310	803	461	257
19	1760	959	5800	e780	849	e680	5220	1000	1940	823	426	278
20	1870	e840	4350	e780	813	691	4580	931	1670	622	347	307
21	1610	e700	3540	e760	771	800	5200	917	1390	545	479	368
22	1340	e600	2900	e740	e740	746	9990	954	1080	470	331	538
23	1140	e560	2320	e740	e700	803	15600	1800	2780	443	440	544
24	998	e500	1910	e740	e660	902	16800	2340	8220	525	317	392
25	910	e600	1580	e720	e660	e960	14000	2280	7620	376	433	629
26	844	755	e1200	e720	e640	e960	9190	1840	5420	522	382	1280
27	790	1050	e1200	e700	e640	e940	6850	2240	3900	388	288	1070
28	795	1440	1210	e680	e620	e920	6080	3530	2840	469	527	731
29	747	1590	1200	e680	---	e1100	5390	3760	2120	373	306	672
30	698	1510	1160	e680	---	781	4670	3450	1710	357	458	588
31	664	---	e1100	e680	---	1090	---	2720	---	453	372	---
TOTAL	26497	26664	50296	25196	22320	23583	165727	77162	76880	29126	12099	14427
MEAN	855	889	1622	813	797	761	5524	2489	2563	940	390	481
MAX	1870	1590	6630	1000	1300	1100	16800	5100	8220	2010	527	1280
MIN	444	500	600	680	620	598	811	917	1080	357	273	244

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2001, BY WATER YEAR (WY)

	MEAN	1168	1485	1333	1193	1104	1848	4254	2827	1284	840	787	875
MAX	3923	3089	3277	3730	3846	5643	7258	6671	4768	2252	1701	2455	
(WY)	1978	1989	1984	1998	1981	1921	1993	1971	1947	1947	1986	1938	
MIN	409	427	299	189	223	257	1335	772	353	161	257	365	
(WY)	1964	1924	1931	1931	1940	1940	1995	1987	1988	1934	1985	1983	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

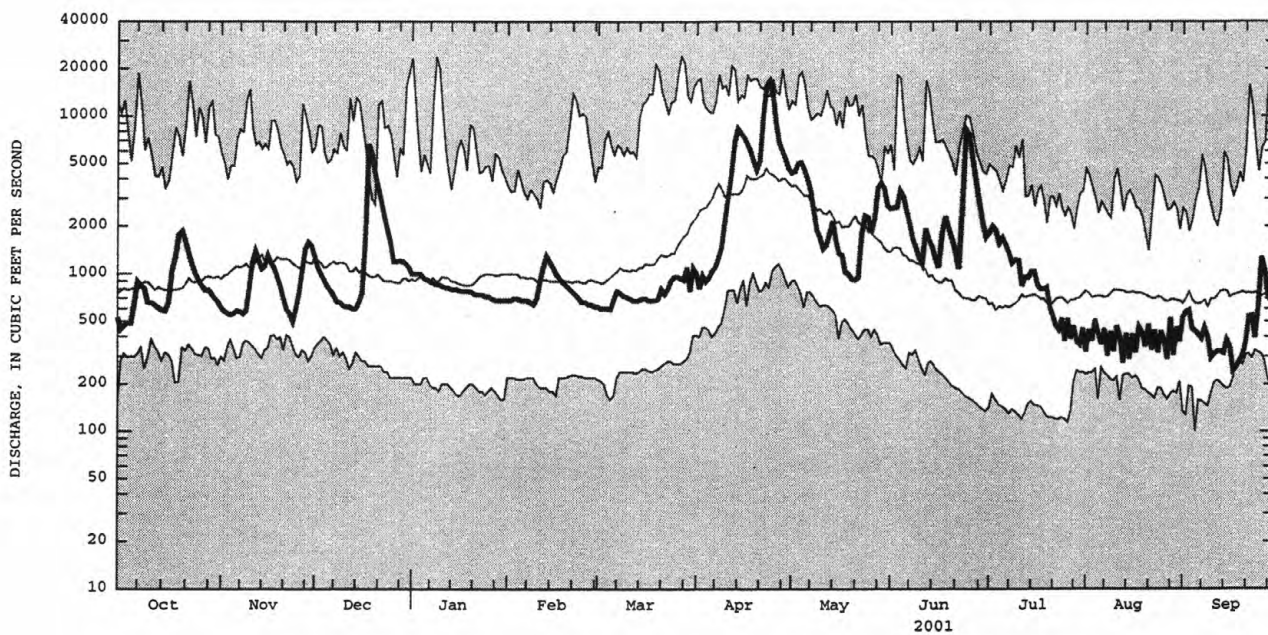
WATER YEARS 1907 - 2001

ANNUAL TOTAL	750445	549977		
ANNUAL MEAN	2050	1507		
HIGHEST ANNUAL MEAN			1583	
LOWEST ANNUAL MEAN			2449	1976
HIGHEST DAILY MEAN	10600	Apr 5	862	1965
LOWEST DAILY MEAN	387	Sep 22	23900	Mar 27 1913
ANNUAL SEVEN-DAY MINIMUM	511	Sep 29	100	Sep 5 1999
10 PERCENT EXCEEDS	4720		120	Jul 20 1934
50 PERCENT EXCEEDS	1200		3360	
90 PERCENT EXCEEDS	600		992	
			460	

e Estimated

HUDSON RIVER BASIN

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.

HUDSON RIVER BASIN

49

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 mi².

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 sea level.

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 ft³/s, Jan. 1, 1949, gage height, 21.21 ft; minimum, 196 ft³/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 ft³/s, based on peak runoff comparison with a station 12.7 mi upstream (drainage area 1,533 mi²).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	0700	17,300	10.82	Apr. 25	0045	*27,600	*15.12

Minimum discharge, 360 ft³/s, Sept. 18, 19, gage height, 1.21 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	915	1180	2480	e2300	e1200	e1000	1880	9480	4390	2820	671	571
2	850	1110	2240	e2200	e1200	e1000	1810	8810	5030	3210	560	665
3	763	1070	e1700	e2100	e1200	e1000	1690	8790	4920	2960	702	713
4	778	1050	e1600	e2000	e1200	e1000	1820	8740	5630	2600	916	711
5	780	1030	e1600	e1900	e1100	1020	1910	8280	5570	2380	869	590
6	1020	1050	e1500	e1800	e1100	942	2110	7130	4820	2430	734	560
7	1290	1060	e1400	e1700	e1100	1130	2200	6420	4240	2150	645	553
8	1310	1040	e1300	e1700	e1100	1390	2550	5360	3630	1950	685	506
9	1250	1010	e1200	e1600	e1200	1370	3240	4460	3190	1990	563	564
10	1160	1380	e1100	e1500	e1400	1320	4510	3960	2860	1940	673	518
11	1040	1910	e1200	e1500	e1600	1310	5970	3510	2700	1670	592	434
12	1020	2180	e1300	e1500	e1600	e1200	7010	3260	4160	1400	682	428
13	995	2050	e1200	e1500	e1700	e1200	11200	3290	3980	1500	621	455
14	962	1920	e1100	e1500	e1900	1300	14400	3530	3110	1440	503	448
15	950	2160	e1200	e1500	e1800	1340	14400	3410	2840	1500	604	427
16	997	2170	e1300	e1400	e1700	1360	14000	2740	2350	1450	504	477
17	1340	2200	3120	e1400	e1600	1380	13800	2480	3310	1220	626	455
18	1930	2050	11600	e1400	e1500	1360	12800	2280	3740	1280	555	381
19	2630	1920	9540	e1300	e1300	1360	11800	2090	3540	1180	652	370
20	2740	e1700	7110	e1300	e1300	1370	10500	2010	2880	1150	628	409
21	2560	e1600	e6000	e1300	e1300	1420	11100	1900	2680	961	563	624
22	2250	e1400	e5200	e1200	e1200	1540	15600	1930	2260	847	649	613
23	1990	e1200	e4400	e1200	e1100	1580	24900	2470	2340	796	522	683
24	1790	e1000	e3600	e1200	e1100	1750	27000	4020	7730	752	597	674
25	1680	e1000	e3000	e1200	e1100	1800	26000	4030	9700	797	486	1020
26	1570	1380	e2300	e1200	e1100	e1700	20200	3230	7450	745	569	1490
27	1470	2050	e2300	e1200	e1100	e1600	15900	3700	5610	832	556	1580
28	1400	2430	e2400	e1200	e1100	e1600	13600	5500	4390	684	448	1230
29	1370	2650	e2400	e1200	---	1660	12100	6510	3540	715	640	968
30	1300	2620	e2400	e1200	---	1770	10600	5820	2860	629	467	906
31	1230	---	e2500	e1200	---	1470	---	5100	---	598	583	---
TOTAL	43330	48570	91290	46400	36900	42242	316600	144240	125450	46576	19065	20023
MEAN	1398	1619	2945	1497	1318	1363	10550	4653	4182	1502	615	667
MAX	2740	2650	11600	2300	1900	1800	27000	9480	9700	3210	916	1580
MIN	763	1000	1100	1200	1100	942	1690	1900	2260	598	448	370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2001, BY WATER YEAR (WY)

MEAN	1920	2663	2563	2254	2014	3668	8428	5305	2436	1458	1206	1338
MAX	7087	5657	6925	6876	6948	11670	14230	11820	9497	4201	2947	4135
(WY)	1978	1960	1984	1998	1981	1936	1993	1972	1947	1935	2000	1938
MIN	575	681	551	397	384	451	2531	1576	737	392	396	590
(WY)	1965	1931	1931	1931	1940	1940	1995	1987	1988	1934	1985	1995

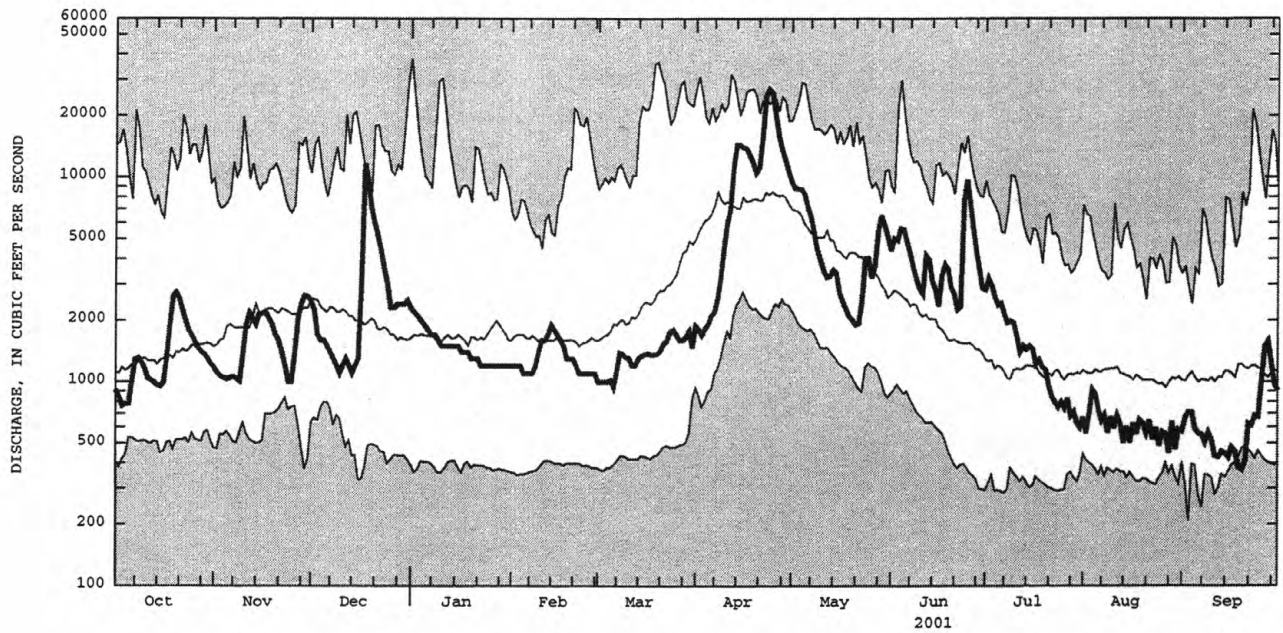
SUMMARY STATISTICS**FOR 2000 CALENDAR YEAR****FOR 2001 WATER YEAR****WATER YEARS 1922 - 2001**

ANNUAL TOTAL	1340447	980686	
ANNUAL MEAN	3662	2687	
HIGHEST ANNUAL MEAN			2936
LOWEST ANNUAL MEAN			4574
HIGHEST DAILY MEAN	17200	27000	1408
LOWEST DAILY MEAN	763	370	38100
ANNUAL SEVEN-DAY MINIMUM	839	424	208
10 PERCENT EXCEEDS	8160	5710	299
50 PERCENT EXCEEDS	2300	1490	6520
90 PERCENT EXCEEDS	1050	623	1800
			782

e Estimated

HUDSON RIVER BASIN

01318500 HUDSON RIVER AT HADLEY, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

51

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 mi².

PERIOD OF RECORD.--September 1911 to current year.

GAGE.--Water-stage recorder. Datum of gage is 881.31 ft above sea level. 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 ft³/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 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	2100	11,000	7.01	Apr. 22	2100	*15,600	*8.05

Minimum discharge, 55 ft³/s, Aug. 31, Sept. 7, 19, 20, gage height, 1.26 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	238	416	1100	e800	e420	e450	562	3210	1410	795	115	83
2	249	400	879	e760	e430	e440	549	2910	1720	1180	113	69
3	197	397	685	e700	e430	e430	538	2720	1980	858	111	65
4	239	387	e640	e660	e430	e420	540	2430	2070	724	538	62
5	222	372	e600	e640	e430	e430	613	2140	1720	581	705	60
6	706	358	549	e640	e430	e460	781	1780	1410	526	323	57
7	778	348	e520	e600	e430	e480	855	1520	1140	472	195	83
8	605	342	515	e580	e430	e500	1500	1310	963	425	172	145
9	522	346	e480	e560	e440	e480	2160	1150	795	381	141	127
10	450	1120	e460	e540	e540	e470	3530	1040	676	336	172	116
11	443	1590	e470	e520	e700	e470	4160	938	846	301	130	207
12	390	1360	e500	e500	e1000	e470	4520	872	2300	262	124	184
13	385	1130	e520	e500	e1100	e470	6880	924	1640	290	114	90
14	338	1120	e540	e480	e1100	e460	6780	799	1250	246	103	82
15	355	1480	e580	e460	e1000	e460	6100	718	995	241	90	76
16	435	1280	e840	e470	e900	e450	5900	646	830	234	81	72
17	687	1140	e3400	e480	e820	e450	5440	600	2400	265	99	67
18	1300	1020	6130	e500	e760	e460	5220	566	2180	218	120	66
19	1780	909	3610	e490	e700	e480	4440	540	1550	204	229	61
20	1440	824	2760	e460	e660	e500	4090	477	1140	159	126	69
21	1190	774	2270	e450	e620	573	4900	453	967	136	79	108
22	1030	707	2040	e450	e580	619	9830	826	942	121	105	86
23	891	609	1720	e440	e560	683	11300	1670	1140	129	66	78
24	793	531	1500	e430	e520	662	11600	2720	1960	130	70	77
25	709	541	1320	e420	e500	632	8780	2080	1800	149	73	611
26	639	696	1160	e410	e480	583	6300	1630	1490	233	73	587
27	599	1340	e1000	e400	e480	584	5330	1830	1270	226	76	408
28	518	1480	e960	e400	e470	562	4500	2790	1050	170	74	307
29	487	1370	e940	e400	---	539	3910	2860	882	128	64	302
30	465	1240	e920	e400	---	541	3280	2110	747	119	58	236
31	445	---	e840	e410	---	559	---	1800	---	118	62	---
TOTAL	19525	25627	40448	15950	17360	15767	134888	48059	41263	10357	4601	4641
MEAN	630	854	1305	515	620	509	4496	1550	1375	334	148	155
MAX	1780	1590	6130	800	1100	683	11600	3210	2400	1180	705	611
MIN	197	342	460	400	420	420	538	453	676	118	58	57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2001, BY WATER YEAR (WY)

	MEAN	719	1111	1036	874	716	1637	3593	1764	744	427	275	376
MAX	2677	2727	2988	2693	3197	5315	6143	4342	2752	2221	1225	1604	
(WY)	1946	1960	1928	1998	1981	1936	1922	1972	1947	1935	1915	1987	
MIN	53.4	205	235	188	172	207	1096	425	133	72.3	50.0	79.4	
(WY)	1965	1965	1918	1931	1920	1940	1995	1941	1949	1949	1999	1939	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

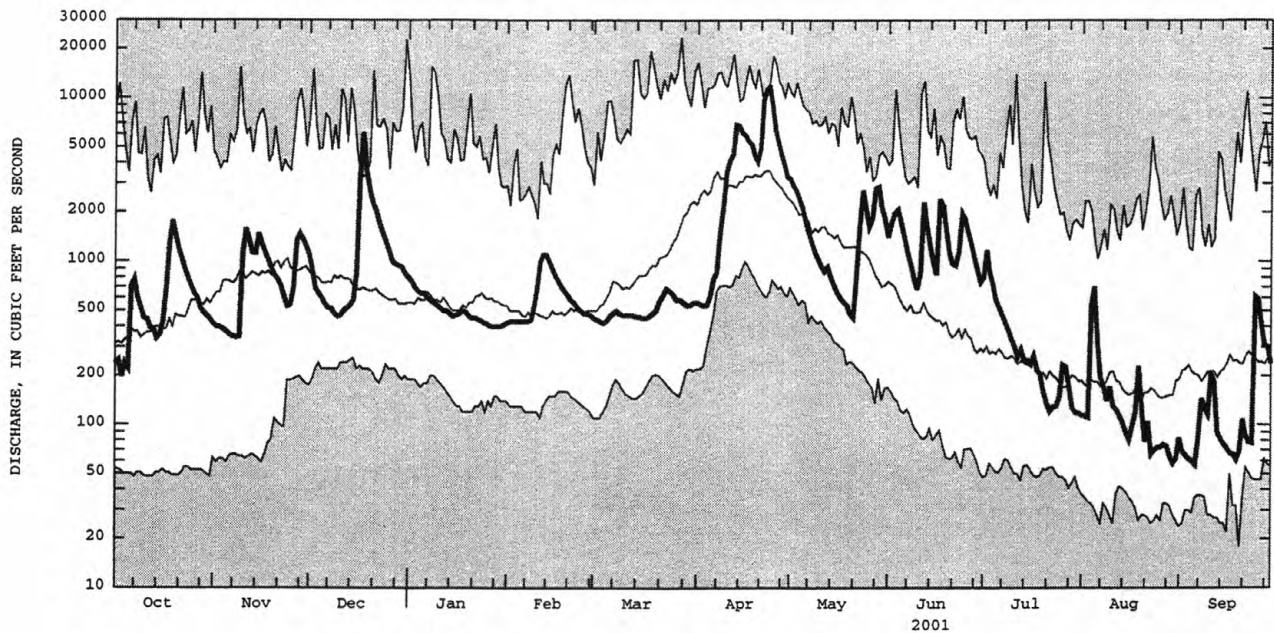
WATER YEARS 1911 - 2001

ANNUAL TOTAL	502600	378486	
ANNUAL MEAN	1373	1037	1105
HIGHEST ANNUAL MEAN			1706
LOWEST ANNUAL MEAN			611
HIGHEST DAILY MEAN	7730	Mar 28	11600
LOWEST DAILY MEAN	197	Oct 3	57
ANNUAL SEVEN-DAY MINIMUM	237	Sep 29	65
10 PERCENT EXCEEDS	3180		2170
50 PERCENT EXCEEDS	893		541
90 PERCENT EXCEEDS	370		114
			2690
			567
			136

e Estimated

HUDSON RIVER BASIN

01321000 SACANDAGA RIVER NEAR HOPE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

53

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 mi².

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 sea level, 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 ft³ 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 ft³ is available exclusively for flood storage. Elevation of inverts of three Dow valves is 699.0 ft. Capacity of 4.600 bil ft³ 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 mi². Discharge over spillway May 1-10, 1983, May 18-25, 1990, Apr. 25-28, 1993, May 13-18, 2000 (only spillage since dam completion in 1930). Satellite and telephone gage-height telemeter at station.

COOPERATION.--Supplemental records provided by Board of Hudson River-Black River Regulating District.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 773.29 ft, May 4, 1983, contents, 40.418 bil ft³; minimum since first filling, 729.55 ft, Mar. 30, 1940, contents, 2.100 bil ft³.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 768.35 ft, June 5, contents, 34.670 bil ft³; minimum, 741.53 ft, Apr. 4, contents, 8.921 bil ft³.

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

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	761.36	758.86	757.00	757.18	750.19	747.80	741.90	765.41	767.64	767.21	764.11	761.27
2	761.13	758.71	756.92	756.93	750.14	747.64	741.82	765.73	767.72	766.96	764.02	761.16
3	761.07	758.55	756.82	756.69	750.11	747.47	741.74	766.03	767.96	766.69	763.92	761.05
4	760.89	758.41	756.69	756.44	750.01	747.30	741.67	766.29	768.14	766.46	763.85	760.94
5	760.73	758.23	756.62	756.17	749.94	747.19	741.67	766.48	768.24	766.30	763.83	760.80
6	760.71	758.04	756.47	755.94	749.90	747.11	741.66	766.67	768.23	766.14	763.78	760.72
7	760.71	757.88	756.31	755.67	749.81	746.95	741.74	766.81	768.15	766.00	763.70	760.59
8	760.62	757.72	756.11	755.40	749.72	746.79	742.00	766.84	768.01	765.87	763.59	760.48
9	760.49	757.54	755.97	755.16	749.65	746.64	742.49	766.74	767.82	765.79	763.51	760.38
10	760.41	757.59	755.79	754.87	749.65	746.53	743.28	766.68	767.65	765.68	763.49	760.29
11	760.32	757.78	755.63	754.60	749.62	746.31	744.46	766.68	767.49	765.57	763.36	760.16
12	760.18	757.84	755.56	754.29	749.61	746.04	745.58	766.66	767.61	765.48	763.27	760.06
13	760.05	757.85	755.39	754.02	749.61	745.84	747.08	766.61	767.75	765.42	763.18	759.93
14	759.94	757.84	755.28	753.73	749.58	745.64	748.85	766.59	767.78	765.35	763.06	759.80
15	759.76	757.93	755.16	753.43	749.56	745.38	750.32	766.51	767.68	765.28	762.96	759.69
16	759.67	757.93	755.02	753.20	749.53	745.00	751.56	766.42	767.57	765.22	762.86	759.56
17	759.64	757.93	755.26	752.90	749.51	744.64	752.66	766.38	767.64	765.17	762.81	759.44
18	759.72	757.85	756.66	752.58	749.43	744.31	753.68	766.35	767.74	765.10	762.73	759.32
19	759.98	757.76	757.48	752.30	749.34	744.03	754.53	766.33	767.75	765.05	762.59	759.17
20	760.09	757.67	758.04	752.00	749.25	743.71	755.22	766.26	767.60	765.01	762.50	759.07
21	760.12	757.63	758.32	751.71	749.13	743.34	755.95	766.21	767.40	764.97	762.45	759.04
22	760.06	757.49	758.53	751.41	748.94	743.11	757.12	766.21	767.37	764.91	762.35	758.95
23	760.02	757.34	758.75	751.08	748.77	742.88	758.96	766.37	767.28	764.82	762.22	758.84
24	759.95	757.18	758.86	750.87	748.55	742.75	760.65	766.64	767.37	764.76	762.08	758.71
25	759.88	757.01	758.76	750.75	748.39	742.65	762.01	766.86	767.62	764.70	761.99	758.77
26	759.75	756.89	758.53	750.66	748.26	742.55	762.95	766.82	767.79	764.62	761.89	758.82
27	759.63	756.98	758.30	750.57	748.10	742.35	763.64	766.82	767.83	764.57	761.81	758.77
28	759.48	757.03	758.08	750.46	747.97	742.19	764.19	766.97	767.74	764.50	761.69	758.72
29	759.34	757.05	757.83	750.34	---	742.02	764.66	767.42	767.59	764.41	761.57	758.64
30	759.17	757.05	757.61	750.26	---	741.96	765.06	767.62	767.41	764.31	761.45	758.57
31	759.01	---	757.44	750.22	---	741.95	---	767.68	---	764.21	761.36	---
MEAN	760.13	757.72	756.94	753.28	749.37	744.84	751.30	766.58	767.72	765.37	762.84	759.72
MAX	761.36	758.86	758.86	757.18	750.19	747.80	765.06	767.68	768.24	767.21	764.11	761.27
MIN	759.01	756.89	755.02	750.22	747.97	741.95	741.66	765.41	767.28	764.21	761.36	758.57
+	24.51	22.69	22.89	16.08	14.03	9.22	31.22	33.83	33.43	29.99	27.04	24.06
++	-963	-702	+75	-2,543	-847	-1,796	+8,488	+974	-154	-1,284	-1,101	-1,150
CAL YR 2000	MEAN 761.81	MAX 771.79	MIN 749.07	++ +113								
WTR YR 2001	MEAN 758.04	MAX 768.24	MIN 741.66	++ - 96								

+ Contents, in billions of cubic feet, at 2400 hours on last day of month.

++ Change in contents, equivalent in cubic feet per second

HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--September 1907 to current year. Published as "near Hadley" 1907-1910, "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. Datum of gage is 582.00 ft above sea level. 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.--Records good except those below about 50 ft³/s and those for estimated daily discharges, which are fair. Flow regulated by Great Sacandaga Lake since Mar. 27, 1930 (see station 01323500); discharge over spillway May 1-10, 1983, May 18-25, 1990, Apr. 25-28, 1993, May 13-18, 2000 (only spillage since completion of Conklingville Dam in 1930). Extensive diurnal fluctuation caused by release of water from Great Sacandaga Lake, through Elmer J. West hydroelectric station directed by Board of Hudson River-Black River Regulating District and through Stewarts Bridge hydroelectric station. Satellite and telephone gage-height telemeter at station.

COOPERATION.--From Oct. 1, 1932, to Dec. 4, 1979, discharge computed by Board of Hudson River-Black River Regulating District from rating developed by U.S. Geological Survey. Since Dec. 4, 1979, discharge computed by U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 35,500 ft³/s, Mar. 28, 1913, gage height, 12.36 ft, site and datum then in use; minimum, 4.2 ft³/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 ft³/s, May 4, 1983, gage height, 9.68 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,650 ft³/s, May 15, gage height, 6.29 ft; minimum recorded, 7.6 ft³/s, Apr. 26, 27-29, 30, gage height, 0.38 ft, but may have been less during period of estimated record.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2550	2490	2500	4060	1870	2380	1870	31	3090	4000	1370	1410
2	2530	2530	2530	4060	1870	2470	1880	31	2120	3980	1370	1430
3	2200	2630	2520	4060	1960	2370	1820	95	2590	4050	1380	1380
4	1790	2650	2550	4070	1870	2360	1620	35	2000	3990	1360	1420
5	2960	2540	2370	4060	1740	2380	1790	34	2540	3260	1330	1370
6	1520	2580	2670	4060	1860	2370	1710	34	2780	2060	1380	1360
7	2010	2540	2530	4070	1810	2430	1670	1420	3250	1990	1370	1350
8	2020	2550	2550	4070	1830	2380	1690	2180	3500	2020	1380	1360
9	2020	2400	2630	4060	1880	2370	1590	3040	3800	2160	1360	1400
10	2010	2530	2620	4060	1870	2370	2780	1530	3470	1920	1380	1550
11	2030	2670	2640	4060	1880	3210	e360	1400	2480	1930	1370	1520
12	2020	2530	2640	4060	1880	3210	e16	1300	1730	709	1340	1520
13	2010	2530	2650	4060	1860	3200	e9.0	1370	1430	870	1370	1530
14	2040	2510	2710	4080	1790	3170	e9.0	1880	2900	1030	1360	1430
15	2190	2510	2640	4060	1880	3370	e9.0	1710	3010	1020	1380	1530
16	2200	2540	2650	4000	1850	4290	e9.0	1810	2970	1160	1410	1520
17	2200	2530	2520	4010	1660	4190	e9.0	1220	3000	1190	1360	1530
18	2210	2540	185	4060	1910	4210	e9.4	1050	2660	867	1360	1510
19	2270	2550	49	4070	1850	2950	e9.8	1260	2490	862	1340	1560
20	2200	2500	46	4050	1960	4210	e9.8	1370	3910	868	1360	1560
21	2190	2530	1070	4010	2800	4150	e10	1360	3980	863	1310	1430
22	2190	2540	952	4010	2880	4240	e10	1380	3180	1200	1360	1390
23	2190	2530	43	4070	2890	4130	e10	1800	2970	1200	1350	1430
24	2220	2540	2230	2330	2880	2490	e9.8	2020	141	1160	1350	1410
25	2360	2540	4170	1660	2880	2360	e9.0	2790	43	1150	1360	1330
26	2520	2620	4300	1550	2400	2220	8.3	3980	531	1190	1360	1380
27	2650	2540	4240	1930	2410	2450	7.6	3940	2530	1190	1380	1060
28	2540	2370	4070	1880	2380	2330	7.6	2920	2440	1200	1470	862
29	2520	2580	4060	1880	---	2410	7.6	1530	3390	1360	1360	1190
30	2510	2580	4070	1880	---	1850	91	2500	4020	1370	1360	1360
31	2370	---	4060	1870	---	1860	---	2590	---	1290	1350	---
TOTAL	69240	76220	77465	108210	58600	90380	19040.9	49610	78945	53109	42340	42082
MEAN	2234	2541	2499	3491	2093	2915	635	1600	2632	1713	1366	1403
MAX	2960	2670	4300	4080	2890	4290	2780	3980	4020	4050	1470	1560
MIN	1520	2370	43	1550	1660	1850	7.6	31	43	709	1310	862

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

	MEAN	1268	1838	2572	950	1249	1117	9130	2568	2479	429	265	253
CFSM	1.20	1.74	2.44	0.90	1.18	1.06	8.65	2.43	2.35	0.41	0.25	0.24	
IN.	1.39	1.94	2.81	1.04	1.23	1.22	9.65	2.81	2.62	0.47	0.29	0.27	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2001, BY WATER YEAR (WY)

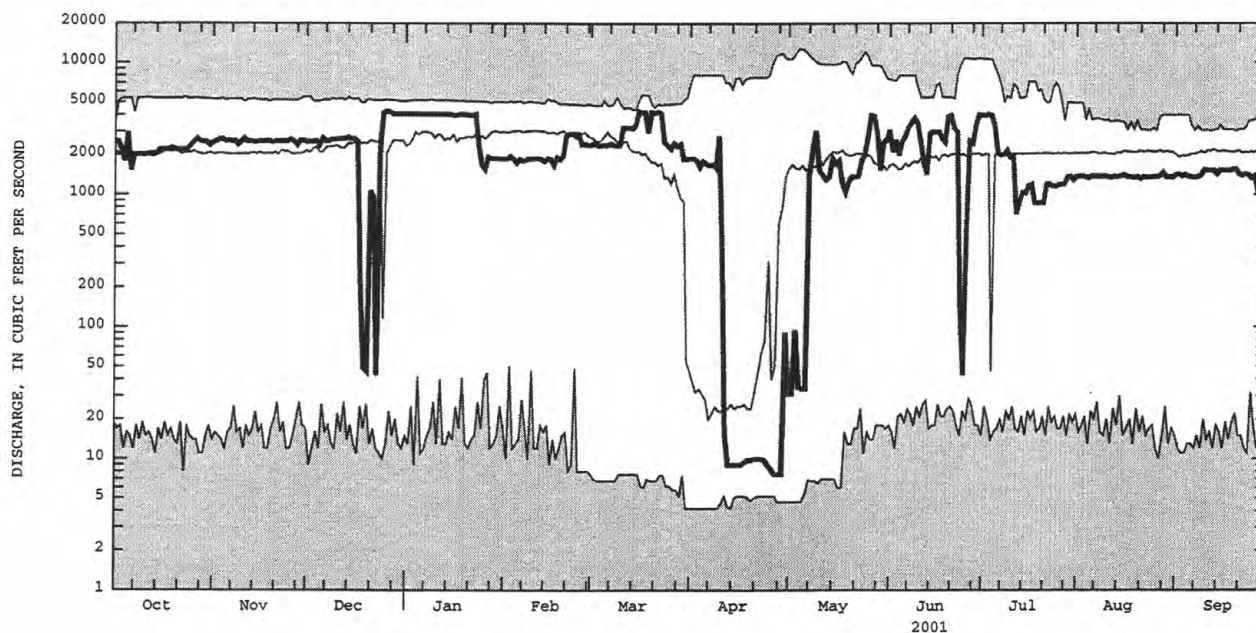
	MEAN	1966	2212	2487	2753	2785	2003	1188	2412	2035	1926	1903	1839
MAX	5149	5177	4935	5026	4910	3921	5691	7035	5203	4589	3013	2846	
(WY)	1946	1976	1960	1978	1973	1972	1979	1983	1947	1935	1935	1994	
MIN	508	968	1117	1210	1144	89.0	5.85	40.5	712	927	872	963	
(WY)	1996	1998	1965	1965	1931	1954	1985	1931	1987	1941	1995	1941	

e Estimated

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1931 - 2001	
ANNUAL TOTAL	948962		765241.9		2124	
ANNUAL MEAN	2593		2097		2152	
ANNUAL MEAN (ADJUSTED)*	2706		2001		3452	
HIGHEST ANNUAL MEAN					1122	
LOWEST ANNUAL MEAN					12800	
HIGHEST DAILY MEAN	10200	May 17	4300	Dec 26	4.2	May 4 1983
LOWEST DAILY MEAN	34	Mar 31	7.6	Apr 27	4.2	Mar 31 1992
ANNUAL SEVEN-DAY MINIMUM	39	Mar 31	8.6	Apr 23	4.2	Mar 31 1992
ANNUAL RUNOFF (CFSM, ADJUSTED)*	2.57		1.90		2.04	
ANNUAL RUNOFF (INCHES, ADJUSTED)*	34.82		25.74		27.70	
10 PERCENT EXCEEDS	4060		4010		4050	
50 PERCENT EXCEEDS	2520		2020		2070	
90 PERCENT EXCEEDS	1030		863		33	

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi², corrected.

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 sea level. Prior to December 1976, nonrecording gage at different site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. 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 ft³/s, May 3, 1983, gage height, 28.34 ft; maximum gage height, 28.71 ft, Jan. 11, 1978 (ice jam); minimum discharge, 234 ft³/s, July 25, 1983; minimum gage height, 19.33 ft, Sept. 4, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 89,100 ft³/s, Mar. 28, 1913, at site about 14 mi upstream (drainage area, 2,779 mi²).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,500 ft³/s, Apr. 24, gage height, 26.87 ft; minimum, 615 ft³/s, Aug. 29, gage height, 19.89 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3390	3720	4990	6430	3380	3820	3870	9390	7060	6460	1970	1810
2	3610	3810	4830	6270	3240	3560	3680	8790	7550	6850	1740	2100
3	2880	3230	4730	6170	3360	3410	3490	8580	6890	6770	1780	1830
4	2340	3540	4100	5940	3300	3480	3560	8780	7820	6480	2260	1940
5	3350	3700	3330	5920	3280	3390	3430	8590	7440	5530	2580	2170
6	3460	3480	4480	6230	2940	3280	3880	7220	7600	5370	1820	2180
7	3070	3520	4070	5960	2880	3390	4270	7130	7510	4150	1780	2190
8	3450	3640	3670	5980	3380	3710	4490	6890	6670	4260	2070	1980
9	3150	3380	3910	5670	3240	3940	4830	7660	6970	3580	2040	1910
10	3110	3500	3730	5850	3290	3840	5710	5800	6430	3240	2160	1770
11	3490	4330	3730	5350	3430	4060	8090	4950	5600	4180	1940	1950
12	3030	4960	3830	5550	3750	4330	6680	5230	5010	3080	2000	1960
13	2940	4780	4060	5720	3500	4510	10400	4330	5810	2040	1990	1950
14	2820	4290	4260	5360	3860	4460	15000	4770	5270	2000	1870	1870
15	3020	4230	3750	5480	3720	4120	15700	5040	5480	2520	1940	2130
16	3020	4560	3640	5390	3650	5280	14800	4560	5480	2900	1670	1790
17	3690	4820	5130	5390	3530	5770	14900	3740	5470	2580	1800	2160
18	4060	4830	12900	5440	3560	5210	13500	3800	6500	2390	1950	1730
19	4730	4550	9880	5350	3450	4550	12500	2510	6150	1600	1950	1900
20	4730	3850	8380	5190	3430	5570	10700	3420	6340	1760	2000	1990
21	4760	4100	6490	5360	3430	5160	11000	3560	6290	1860	1950	1920
22	4690	4120	6430	5020	3960	5500	13700	3090	5570	2240	1850	1920
23	4140	3900	5670	5190	4160	5850	24300	3780	5030	2070	1950	2290
24	4390	4260	4730	3740	3910	4740	27100	5430	6460	1820	1890	2190
25	4540	3430	7030	3590	3970	4110	27200	5880	9420	1470	1800	2610
26	3570	3590	e6800	2820	4170	4230	22300	7300	8590	1830	1590	3580
27	3160	4120	6170	3090	3440	4580	16900	7060	7140	2120	2000	2420
28	4110	4780	6630	3200	3420	4000	14300	8300	7100	1920	2060	2390
29	3900	5110	6260	3240	---	3800	12800	7790	6750	1950	1380	2250
30	3740	5130	6280	3020	---	3530	11000	7820	6800	1890	1920	2180
31	3530	---	6640	3260	---	4140	---	7630	---	2080	1950	---
TOTAL	111870	123260	170530	156170	98630	133320	344080	188820	198200	98990	59650	63060
MEAN	3609	4109	5501	5038	3522	4301	11470	6091	6607	3193	1924	2102
MAX	4760	5130	12900	6430	4170	5850	27200	9390	9420	6850	2580	3580
MIN	2340	3230	3330	2820	2880	3280	3430	2510	5010	1470	1380	1730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2001, BY WATER YEAR (WY)

	MEAN	4211	5448	5536	5394	5180	6070	10100	7500	4200	2913	2911	3094
MAX	9773	9326	10260	9907	8616	10950	16790	16670	7786	4246	5268	4478	
(WY)	1978	1996	1997	1978	1984	1990	1993	1983	1998	2000	2000	1987	
MIN	2658	2963	2957	2714	2697	3387	3177	2231	1922	1786	1924	2102	
(WY)	1998	1979	1979	1989	1989	1989	1995	1995	1995	1995	2001	2001	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

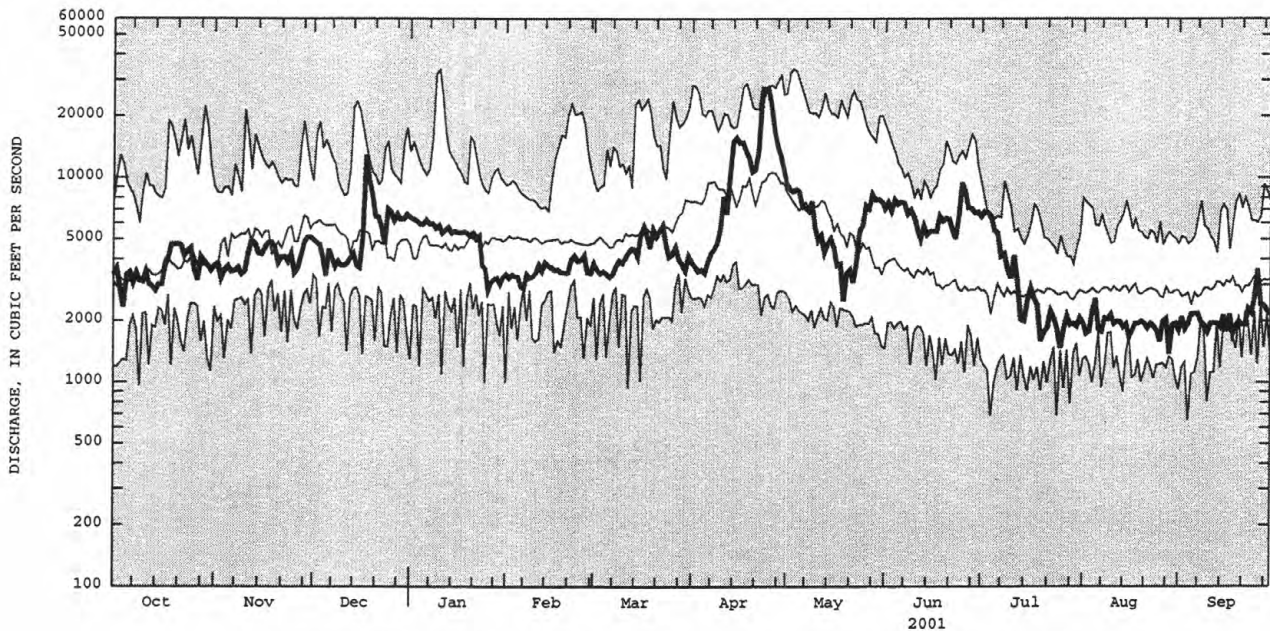
FOR 2001 WATER YEAR

WATER YEARS 1977 - 2001

ANNUAL TOTAL	2293750	1746580		
ANNUAL MEAN	6267	4785		
HIGHEST ANNUAL MEAN			5196	
LOWEST ANNUAL MEAN			6768	1990
HIGHEST DAILY MEAN	22400	27200	34100	May 3 1983
LOWEST DAILY MEAN	2340	1380	652	Sep 4 1978
ANNUAL SEVEN-DAY MINIMUM	3060	1810	1270	Aug 23 1995
10 PERCENT EXCEEDS	11100	7570	9150	
50 PERCENT EXCEEDS	4840	3910	3970	
90 PERCENT EXCEEDS	3370	1950	2370	

e Estimated

01327750 HUDSON RIVER AT FORT EDWARD, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

01327755 HUDSON RIVER AT ROGERS ISLAND AT FORT EDWARD, NY

LOCATION.--Lat 43°15'52", long 73°35'28", Saratoga-Washington Counties, Hydrologic Unit 02020003, at bridges on State Highway 197 over Rogers Island in Fort Edward, 0.4 mi downstream from discharge station (01327750, Hudson River at Fort Edward), and 0.6 mi upstream from Champlain Canal.

DRAINAGE AREA.--2,817 mi², at gage.

PERIOD OF RECORD.--Water years 1975 to current year.

CHEMICAL DATA: 1975-76 (a), 1980 (b), 1981 (d), 1982-84 (e), 1985 (d), 1986-87 (e), 1988, 1996 (a).

MINOR ELEMENT DATA: 1975 (b), 1976-77 (a), 1978-79 (e), 1980 (d), 1986 (b), 1987 (e), 1988 (a).

PESTICIDE DATA: 1975, 1977 (a), 1978-79 (e), 1980, 1996 (a).

ORGANIC DATA: OC--1975 (a).

PCB--1975, 1977 (a), 1978-84 (e), 1985 (d), 1986 (e), 1987 (d), 1988-89 (e), 1991-92 (d), 1993-2001 (e).

PCN--1977 (a), 1978-79 (e), 1980 (a).

NUTRIENT DATA: 1975-77 (a), 1978 (e).

SEDIMENT DATA: 1975 (b), 1980-84 (e), 1985 (d), 1986-89, 1991 (e), 1992 (d), 1993-2001 (e).

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: March 1978 to September 1979.

REMARKS.--Water-discharge data are for Hudson River at Fort Edward (station 01327750). Samples for PCB analysis are collected from both the navigation canal (east channel) and river (west channel).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	AROCLOR 1016/ 1242 PCB WATER UNFLTRD (UG/L) (81648)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
OCT						
11...	1018	4760	<.02	<.01	<.01	1
25...	1100	5840	<.02	<.02	<.02	3
NOV						
09...	1145	4030	<.02	<.01	<.01	2
21...	1113	3680	<.02	<.01	<.01	1
DEC						
08...	1255	4990	<.02	<.01	<.01	1
19...	1246	9540	<.02	<.01	<.01	9
FEB						
28...	1210	2130	E.001	E.003	E.003	1
MAR						
15...	0945	4920	E.001	E.004	E.003	2
30...	1230	4230	E.008	<.005	<.005	1
APR						
05...	1125	2150	<.005	<.005	<.005	1
12...	0953	6590	E.004	<.005	<.005	2
16...	1054	15000	<.005	<.005	<.005	7
23...	1120	25900	.081	E.034	<.005	37
24...	1125	28300	.094	E.032	<.005	44
26...	0947	23300	E.001	E.003	<.005	12
MAY						
03...	1006	8580	.009	<.005	<.005	1
16...	1241	4710	.008	E.001	<.005	2
D16...	1248	4900	<.005	<.005	<.005	2
22...	1210	3740	<.005	<.005	<.005	2
31...	1448	6880	<.005	<.005	<.005	3
JUN						
15...	1130	4740	<.005	<.005	<.005	2
JUL						
02...	1141	7000	E.023	<.005	<.005	2
SEP						
07...	1225	2080	E.015	<.005	<.005	2
19...	1100	1940	E.014	<.005	<.005	2

E Estimated

D Duplicate sample

01329500 BATTEN KILL AT BATTENVILLE, NY

LOCATION.--Lat 43°06'05", long 73°25'55", Washington County, Hydrologic Unit 02020003, on left bank 1.0 mi southwest of Battenville, and 1.2 mi upstream from Trout Brook.

DRAINAGE AREA.--394 mi².

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 sea level. 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 ft³/s, Nov. 4, 1927, gage height, 17.7 ft, from floodmarks; minimum discharge, 7.3 ft³/s, Oct. 5, 1953 (result of regulation).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	0430	*12,300	*12.12	Apr. 25	0515	4,480	6.87
Apr. 11	0400	4,670	7.02				

Minimum discharge, 82 ft³/s, Sept. 19, 20, gage height, 2.51 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	201	336	613	e580	e580	521	978	1320	609	321	173	192
2	196	320	555	e560	e500	505	907	1540	1200	870	164	227
3	192	307	496	e540	e420	473	924	1490	2100	494	167	157
4	187	304	e470	e520	e390	454	1040	1360	2440	433	213	131
5	188	308	e450	e520	e390	448	1320	1140	1760	1100	260	127
6	287	347	e410	e500	e380	396	1560	868	1280	732	225	124
7	403	337	e370	484	e380	518	1700	708	967	511	185	113
8	311	330	e330	467	384	496	2600	619	793	450	166	104
9	268	333	e320	455	391	433	3360	564	677	435	156	98
10	251	420	e310	e430	738	428	4430	542	591	402	214	96
11	248	648	e310	e410	927	409	4430	497	592	369	206	108
12	242	559	e330	e400	861	394	4150	470	1240	400	180	103
13	239	494	e350	e390	866	451	4460	658	1030	443	164	95
14	232	478	e400	e380	681	506	4520	568	719	403	153	103
15	219	787	e500	372	806	482	4020	477	587	366	142	108
16	228	726	e1200	364	754	516	3440	432	513	340	130	99
17	390	619	3830	356	693	516	2980	407	633	339	126	93
18	516	559	9760	341	614	528	2610	387	798	339	150	88
19	1060	521	5160	e330	e600	514	2250	372	581	300	149	86
20	685	489	3150	e310	e560	546	1950	352	479	276	137	84
21	536	472	e2000	e300	e540	621	1970	329	470	252	141	193
22	463	453	e1500	e300	552	1200	2660	326	494	233	131	246
23	417	427	e1200	e290	546	1540	3860	392	459	217	121	164
24	388	e380	e1100	e310	520	1230	4150	430	561	247	115	130
25	372	e360	e920	293	506	1070	4190	440	498	216	108	161
26	361	405	e820	e290	639	917	2930	414	435	255	103	379
27	351	624	e760	e280	605	843	2140	744	387	332	103	255
28	342	744	e700	e270	546	789	1860	994	347	254	112	183
29	329	693	e660	264	---	741	1570	1030	322	220	110	166
30	328	645	e620	271	---	982	1340	750	312	200	102	163
31	329	---	e600	503	---	1100	---	693	---	189	100	---
TOTAL	10759	14425	40194	12080	16369	20567	80299	21313	23874	11938	4706	4376
MEAN	347	481	1297	390	585	663	2677	688	796	385	152	146
MAX	1060	787	9760	580	927	1540	4520	1540	2440	1100	260	379
MIN	187	304	310	264	380	394	907	326	312	189	100	84
CFSM	.88	1.22	3.29	.99	1.48	1.68	6.79	1.74	2.02	.98	.39	.37
IN.	1.02	1.36	3.79	1.14	1.55	1.94	7.58	2.01	2.25	1.13	.44	.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2001, BY WATER YEAR (WY)

	MEAN	328	611	680	727	669	1194	1760	993	527	354	240	271
MAX	847	2498	1675	2016	1402	3718	3535	2141	1167	1874	725	1550	
(WY)	1956	1928	1928	1949	1925	1936	1960	1940	1954	1935	2000	1938	
MIN	74.7	108	192	142	214	291	582	302	162	96.1	85.2	66.9	
(WY)	1965	1965	1948	1948	1931	1965	1946	1941	1964	1965	1965	1964	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

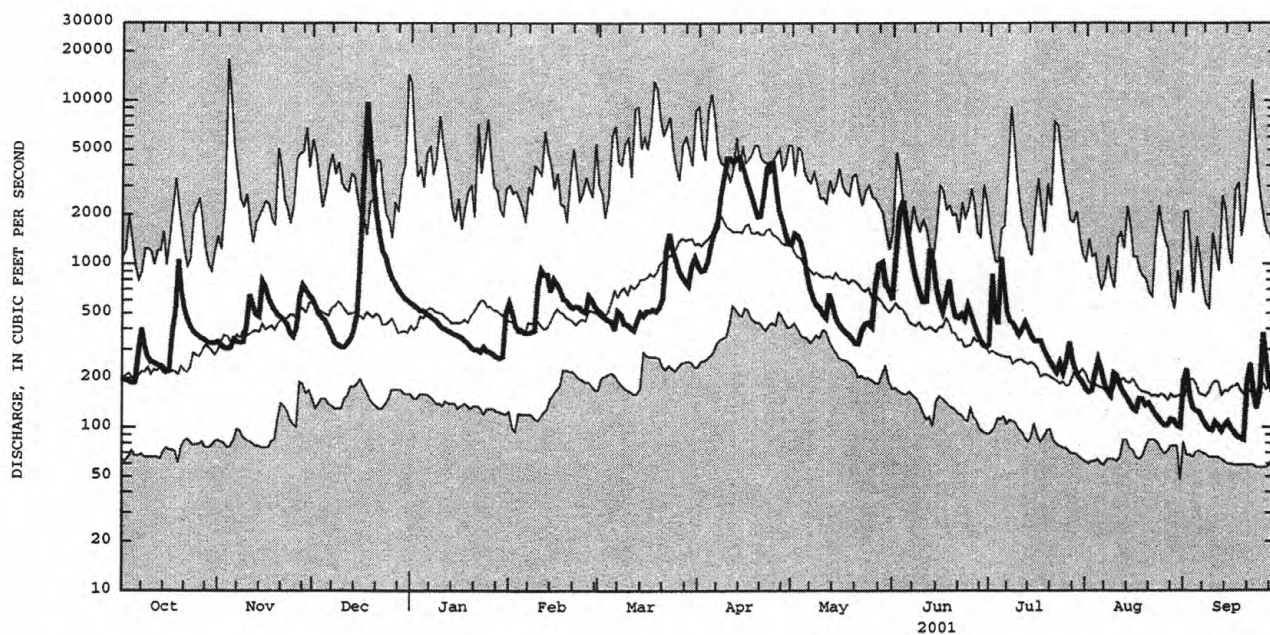
WATER YEARS 1923 - 2001

ANNUAL TOTAL	357031	260900	
ANNUAL MEAN	975	715	696
HIGHEST ANNUAL MEAN			980
LOWEST ANNUAL MEAN			335
HIGHEST DAILY MEAN	9760	Dec 18	18000
LOWEST DAILY MEAN	187	Oct 4	48
ANNUAL SEVEN-DAY MINIMUM	197	Sep 29	58
ANNUAL RUNOFF (CFSM)	2.48		1.77
ANNUAL RUNOFF (INCHES)	33.71		23.99
10 PERCENT EXCEEDS	1930		1580
50 PERCENT EXCEEDS	688		420
90 PERCENT EXCEEDS	304		141

e Estimated

HUDSON RIVER BASIN

01329500 BATTEN KILL AT BATTENVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01330000 GLOWEGEE CREEK AT WEST MILTON, NY

LOCATION.--Lat 43°01'50", long 73°55'40", Saratoga County, Hydrologic Unit 02020003, on left bank at upstream side of highway bridge, 0.5 mi south of West Milton, 1.5 mi upstream from mouth, and 4.0 mi northwest of Ballston Spa.

DRAINAGE AREA.--26.0 mi².

PERIOD OF RECORD.--April 1948 to June 1963, October 1990 to current year.

GAGE.--Water-stage recorder. Concrete control since June 20, 1952. Datum of gage is 407.22 ft above sea level. Prior to Aug. 27, 1948, nonrecording gage at highway bridge at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Since May 1955, ground-water pumpage by the Knolls Atomic Power Laboratory, West Milton site, enters Glowegee Creek upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,670 ft³/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 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1845	*883	*6.29	Apr. 13	2015	427	5.22
Apr. 10	2215	631	5.75				

Minimum discharge, 2.3 ft³/s, Sept. 8, 9, gage height, 2.86 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	16	35	e32	44	e18	57	27	24	10	4.1	9.4
2	9.7	15	e23	e30	39	e17	55	25	179	15	4.3	6.4
3	9.1	15	e15	e28	e27	e16	59	22	151	10	5.5	3.9
4	9.9	15	e16	e27	e22	e15	77	18	96	31	8.0	3.5
5	11	14	e17	e26	e25	17	107	17	54	94	5.4	4.0
6	70	14	e15	e25	25	18	128	17	38	47	4.7	4.3
7	43	14	e15	e24	23	18	155	16	30	23	4.3	3.7
8	27	14	e13	e23	21	17	320	15	25	18	3.8	3.1
9	20	14	e12	22	25	18	375	14	20	19	3.4	3.2
10	17	121	e11	20	44	18	467	14	18	14	16	4.0
11	16	92	e12	20	e32	18	336	13	22	11	10	4.4
12	14	55	e20	20	e28	e18	261	12	44	11	5.6	4.2
13	14	40	e17	18	e26	23	305	12	30	10	5.0	3.1
14	13	48	e13	18	e25	33	275	11	20	10	4.2	4.0
15	13	69	e14	19	e35	33	199	13	16	9.0	4.2	3.9
16	17	49	17	20	e31	39	154	11	14	8.6	4.0	3.0
17	23	39	328	20	e25	39	124	12	30	9.8	4.4	2.8
18	142	32	335	19	e20	39	102	12	23	10	5.3	2.8
19	103	28	e220	20	e21	e37	83	12	16	8.3	4.4	2.8
20	56	27	e150	19	e22	48	71	11	14	6.6	8.6	3.5
21	38	26	e110	18	e23	56	65	10	12	5.8	46	11
22	30	23	e84	18	e18	101	75	30	17	5.1	25	7.6
23	28	e15	e72	17	e21	117	69	68	27	5.2	13	4.8
24	29	e13	e62	17	e19	107	55	80	63	5.7	9.1	3.7
25	25	e15	e54	17	e18	94	46	40	39	4.5	7.0	31
26	21	38	e48	16	22	79	41	27	23	13	5.0	23
27	21	78	e44	17	23	68	36	83	15	11	4.8	13
28	19	58	e40	16	e20	59	33	160	11	6.7	5.9	9.7
29	17	46	e38	16	---	51	30	99	10	5.3	5.5	7.3
30	17	39	e36	18	---	49	29	50	8.7	5.0	3.2	6.0
31	16	---	e34	36	---	68	---	32	---	5.3	3.2	---
TOTAL	898.3	1082	1920	656	724	1348	4189	983	1089.7	447.9	242.9	197.1
MEAN	29.0	36.1	61.9	21.2	25.9	43.5	140	31.7	36.3	14.4	7.84	6.57
MAX	142	121	335	36	44	117	467	160	179	94	46	31
MIN	9.1	13	11	16	18	15	29	10	8.7	4.5	3.2	2.8
CFSM	1.11	1.39	2.38	.81	.99	1.67	5.37	1.22	1.40	.56	.30	.25
IN.	1.29	1.55	2.75	.94	1.04	1.93	5.99	1.41	1.56	.64	.35	.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2001, BY WATER YEAR (WY)

	MEAN	20.4	33.9	37.9	37.7	35.7	75.8	99.4	44.1	22.4	13.2	11.1	11.5
MAX	108	73.0	100	114	77.2	133	204	97.4	63.2	42.3	34.6	30.4	
(WY)	1956	1955	1997	1998	1954	1951	1993	1953	2000	1996	2000	1960	
MIN	4.29	8.83	10.5	8.49	7.68	35.6	31.6	16.7	4.72	2.13	3.04	2.02	
(WY)	1962	1962	1962	1961	1962	1960	1999	1999	1999	1959	1958	1948	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

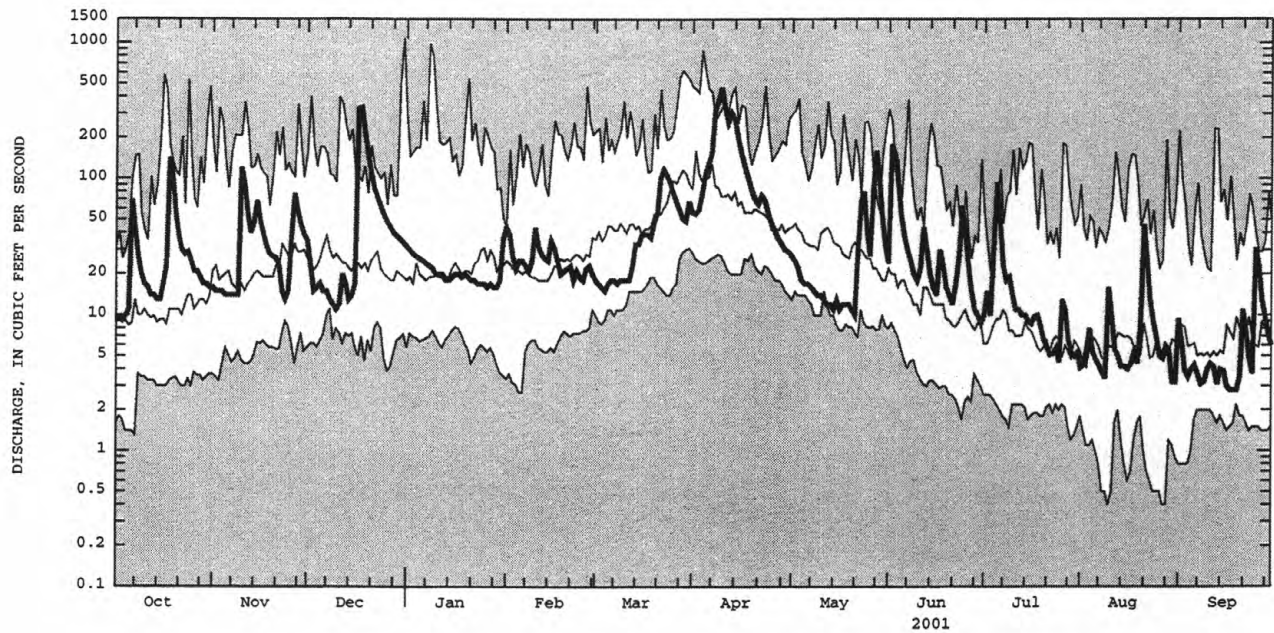
WATER YEARS 1948 - 2001

ANNUAL TOTAL	18628.3	13777.9	
ANNUAL MEAN	50.9	37.7	
HIGHEST ANNUAL MEAN			37.2
LOWEST ANNUAL MEAN			53.4
HIGHEST DAILY MEAN	381	467	1080
LOWEST DAILY MEAN	7.3	2.8	22.4
ANNUAL SEVEN-DAY MINIMUM	10	3.2	.40
ANNUAL RUNOFF (CFSM)	1.96	1.45	.51
ANNUAL RUNOFF (INCHES)	26.65	19.71	1.43
10 PERCENT EXCEEDS	115	81	19.43
50 PERCENT EXCEEDS	30	19	86
90 PERCENT EXCEEDS	12	5.0	19
			4.4

e Estimated

HUDSON RIVER BASIN

01330000 GLOWEGEE CREEK AT WEST MILTON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

63

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 mi².

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 sea level. 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 ft³/s, May 4, 1983; minimum daily discharge, 900 ft³/s, July 25, 1983; maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, about 31,000 ft³/s, Dec. 18; minimum daily, about 1,700 ft³/s, Aug. 29; maximum and minimum instantaneous discharges not determined.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4000	e4600	e6400	e8000	e4400	e4900	e6000	e12300	e8700	e7600	e2400	e2200
2	e4200	e4700	e6100	e7800	e4200	e4600	e5800	e11700	e10000	e8800	e1900	e2600
3	e3400	e4000	e5900	e7600	e4300	e4400	e5500	e11400	e11000	e8200	e2000	e2200
4	e2800	e4300	e5200	e7400	e4200	e4500	e5800	e11600	e12000	e7800	e2600	e2300
5	e3900	e4500	e4300	e7300	e4200	e4300	e6900	e11100	e11000	e7400	e3200	e2500
6	e4200	e4300	e4800	e7600	e3700	e4200	e6800	e9300	e10100	e6900	e2300	e2500
7	e3900	e4400	e5000	e7300	e3700	e4400	e7700	e9000	e9700	e5300	e2200	e2200
8	e4300	e4500	e4500	e7200	e4300	e4800	e12000	e8600	e8500	e5300	e2500	e2300
9	e3900	e4200	e4500	e6700	e4100	e5000	e15000	e9300	e8700	e4500	e2500	e2200
10	e3800	e4400	e4300	e7000	e4400	e4800	e18000	e7200	e8000	e4100	e2700	e2100
11	e4200	e5600	e4600	e6500	e4700	e5100	e20000	e6200	e7100	e5200	e2400	e2300
12	e3700	e6300	e4700	e6700	e5100	e5400	e15000	e6500	e6900	e3900	e2400	e2300
13	e3600	e6000	e4900	e6900	e4800	e5600	e20000	e5600	e7700	e2700	e2400	e2200
14	e3400	e5400	e5300	e6500	e5100	e5600	e23000	e6100	e6800	e2700	e2300	e2200
15	e3600	e5600	e4400	e6600	e5000	e5200	e24000	e6300	e6900	e3200	e2300	e2500
16	e3600	e6000	e5100	e6500	e4900	e6600	e23000	e5700	e6800	e3700	e2000	e2100
17	e4600	e6200	e10000	e6500	e4700	e7200	e22000	e4700	e7000	e3300	e2100	e2500
18	e5200	e6100	e31000	e6500	e4700	e6500	e20000	e4700	e8300	e3100	e2300	e2000
19	e6400	e5800	e24000	e6400	e4500	e6000	e18000	e3200	e7700	e2100	e2300	e2200
20	e6100	e4900	e14000	e6200	e4500	e7100	e16000	e4300	e7700	e2300	e2400	e2300
21	e6000	e5200	e10000	e6300	e4500	e6800	e14800	e4400	e7700	e2400	e2300	e2400
22	e5900	e5200	e9000	e6000	e5100	e7900	e17000	e3900	e6900	e2800	e2200	e2400
23	e5200	e4900	e7800	e6100	e5300	e9500	e28000	e4700	e6200	e2600	e2300	e2700
24	e5400	e5300	e6600	e4600	e5000	e7000	e29000	e6600	e7200	e2200	e2200	e2600
25	e5600	e4300	e8500	e4400	e5100	e6300	e30000	e7200	e10000	e1900	e2100	e3100
26	e4500	e4500	e8200	e3500	e5400	e6200	e27000	e8700	e9400	e2300	e1900	e4200
27	e4000	e5400	e7500	e3800	e4500	e6800	e22000	e8900	e8400	e2700	e2100	e3000
28	e5000	e6300	e8000	e3900	e4500	e6000	e18600	e10700	e8300	e2400	e2400	e2900
29	e4800	e6600	e7600	e3900	---	e5800	e16600	e10100	e7500	e2400	e1700	e2700
30	e4600	e6600	e7500	e3700	---	e5600	e14200	e9800	e7300	e2300	e2200	e2600
31	e4400	---	e7900	e4200	---	e6500	---	e9500	---	e2500	e2300	---
TOTAL	138200	156100	247600	189600	128900	180600	507700	239300	249500	124600	70900	74300
MEAN	4458	5203	7987	6116	4604	5826	16920	7719	8317	4019	2287	2477
MAX	6400	6600	31000	8000	5400	9500	30000	12300	12000	8800	3200	4200
MIN	2800	4000	4300	3500	3700	4200	5500	3200	6200	1900	1700	2000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2001, BY WATER YEAR (WY)

	MEAN	5227	6819	7005	6838	6621	8476	12980	9347	5329	3625	3548	3745
MAX	12060	11880	13820	12540	11760	14620	21760	19960	9787	5716	6787	6311	
(WY)	1978	1996	1997	1998	1981	1979	1993	1983	1998	1996	2000	1987	
MIN	2971	3643	3558	3035	2759	4735	3987	2790	2380	2042	2206	2477	
(WY)	1981	1981	1999	1981	1980	1989	1995	1995	1995	1995	1999	2001	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

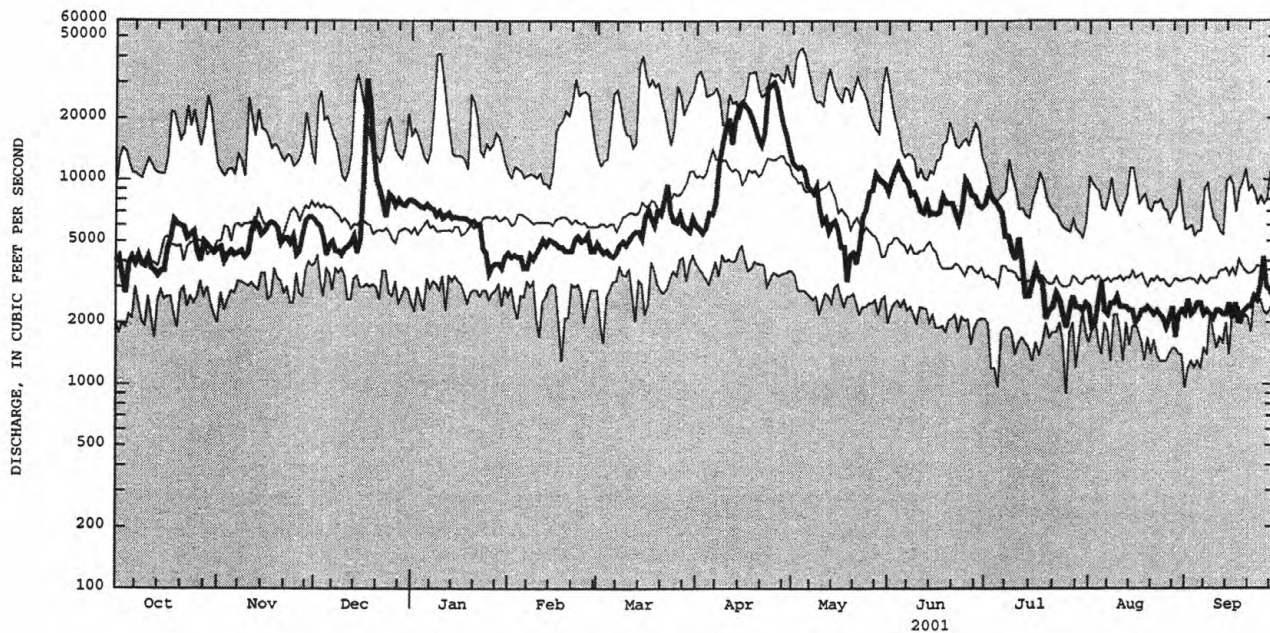
WATER YEARS 1977 - 2001

ANNUAL TOTAL	3000500	2307300		
ANNUAL MEAN	8198	6321	6593	
HIGHEST ANNUAL MEAN			8808	1996
LOWEST ANNUAL MEAN			4344	1995
HIGHEST DAILY MEAN	31000	Dec 18	44100	May 4 1983
LOWEST DAILY MEAN	2800	Oct 4	900	Jul 25 1983
ANNUAL SEVEN-DAY MINIMUM	3700	Oct 10	1390	Aug 23 1995
10 PERCENT EXCEEDS	15200		12200	
50 PERCENT EXCEEDS	6350		5100	
90 PERCENT EXCEEDS	4100		2300	2800

e Estimated

HUDSON RIVER BASIN

01331095 HUDSON RIVER AT STILLWATER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01331095 HUDSON RIVER AT STILLWATER, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1969 to 1975, 1977 to current year.

CHEMICAL DATA: 1969 (c), 1970-74 (d), 1975 (c), 1980 (b), 1981 (c), 1982-85 (e), 1986-88 (d), 1996 (a).

MINOR ELEMENTS DATA: 1972 (b), 1973-75 (a), 1977-79 (e), 1980 (c).

PESTICIDE DATA: 1977-79 (e), 1980, 1996 (a).

ORGANIC DATA: OC--1974 (a), 1975 (c).

PCB--1977-85 (e), 1986-88 (d), 1989 (e), 1991 (d), 1992-94 (e), 1995 (d), 1996-97 (e), 1998-99 (d), 2000-01 (e).

PCN--1977-79 (e), 1980 (a).

NUTRIENT DATA: 1969 (c), 1970-74 (d), 1975 (c), 1977-78 (e).

SEDIMENT DATA: 1977 (d), 1978 (a), 1981-97 (e), 1998-99 (d), 2000-01 (e).

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: March 1977 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD (Water years 1977-2001).--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 450 mg/L, Dec. 17, 2000; minimum daily mean, <1 mg/L on many days during water years 1991-95, 1997-98.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 27,500 tons, Jan. 9, 1998; minimum daily, 3.5 tons, Aug. 24, Sept. 2, 1995.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 450 mg/L, Dec. 17; minimum daily mean, 1 mg/L on many days.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 17,600 tons, Dec. 18; minimum daily, 5.4 tons, Sept. 18.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	AROCLOR 1016/ 1242 PCB WATER UNFLTRD (UG/L) (81648)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
OCT						
25...	1223	e5600	.02	<.01	<.01	2
NOV						
21...	1235	e5200	<.02	<.01	<.01	1
DEC						
19...	1259	e24000	.02	<.01	<.01	62
FEB						
28...	1410	e4500	E.001	E.004	E.003	3
MAR						
30...	1355	e5600	E.002	<.005	<.005	8
APR						
05...	1308	e6900	E.005	<.005	<.005	26
12...	1134	e15000	.009	<.005	<.005	30
16...	1232	e23000	.048	E.013	<.005	27
20...	1312	e16000	.069	E.028	<.005	7
23...	1321	e28000	E.058	E.112	E.009	69
24...	1315	e29000	.116	E.050	<.005	65
26...	1139	e27000	.064	E.023	<.005	25
MAY						
03...	1155	e11400	.005	E.001	<.005	3
16...	1450	e5700	.036	E.006	<.005	2
D16...	1501	e5700	E.011	E.007	<.005	2
22...	1330	e3900	.054	E.011	<.005	2
JUN						
15...	1255	e6900	.086	<.005	<.005	4
SEP						
07...	1415	e2200	E.038	<.005	<.005	<1
19...	1335	e2200	E.021	<.005	<.005	1

e Estimated daily
E Estimated
D Duplicate sample

HUDSON RIVER BASIN

01331095 HUDSON RIVER AT STILLWATER, NY--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)
OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4	e43	2	e25	3	e52	2	e43	e4	e48	e3	e40
2	4	e45	3	e38	3	e49	2	e42	e4	e45	e3	e37
3	1	e9.2	2	e22	e3	e48	e2	e41	e4	e46	e3	e36
4	4	e30	3	e35	3	e42	e2	e40	e4	e45	e3	e36
5	2	e21	e3	e36	2	e23	e1	e20	4	e45	e3	e35
6	2	e23	2	e23	4	e52	1	e21	4	e40	e3	e34
7	2	e21	2	e24	3	e40	e2	e39	e4	e40	e3	e36
8	2	e23	3	e36	3	e36	e2	e39	4	e46	e3	e39
9	2	e21	4	e45	3	e36	e2	e36	e4	e44	e3	e40
10	2	e21	e4	e48	2	e23	e2	e38	e4	e48	e3	e39
11	1	e11	5	e76	1	e12	2	e35	e10	e127	e3	e41
12	1	e10	6	e102	4	e51	e2	e36	e8	e110	e3	e44
13	4	e39	2	e32	2	e26	e3	e56	e6	e78	e3	e45
14	5	e46	4	e58	4	e57	e3	e53	e4	e55	e3	e45
15	9	e87	2	e30	7	e83	e3	e53	e4	e54	e3	e42
16	3	e29	e3	e49	45	e620	e3	e53	e5	e66	e3	e53
17	e4	e50	4	e67	450	e12200	e3	e53	6	e76	e3	e58
18	4	e56	4	e66	210	e17600	4	e70	3	e38	e3	e53
19	3	e52	3	e47	100	e6480	4	e69	e3	e36	e3	e49
20	4	e66	2	e26	120	e4540	4	e67	e3	e36	e3	e58
21	3	e49	3	e42	64	e1730	e3	e51	e3	e36	e3	e55
22	3	e48	2	e28	44	e1070	e3	e49	e3	e41	e14	e299
23	3	e42	3	e40	29	e611	e3	e49	e3	e43	e33	e846
24	2	e29	4	e57	17	e303	e3	e37	e3	e40	e11	e208
25	3	e45	4	e46	10	e230	e3	e36	e3	e41	e5	e85
26	e3	e36	3	e36	4	e89	e3	e28	e3	e44	e3	e50
27	3	e32	e4	e58	3	e61	e3	e31	e3	e36	e2	e37
28	2	e27	6	e102	2	e43	e3	e32	3	e36	e2	e32
29	3	e39	6	e107	3	e62	3	e32	---	---	e2	e31
30	e3	e37	e5	e89	2	e40	4	e40	---	---	8	e121
31	e2	e24	---	---	e2	e43	4	e45	---	---	2	e35
TOTAL	---	1111.2	---	1490	---	46352	---	1334	---	1440	---	2659

DAY	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22	e356	7	e232	10	e235	5	e103	e2	e13	e2	e12
2	49	e767	4	e126	8	e216	9	e214	e2	e10	e2	e14
3	48	e713	7	e215	4	e119	10	e221	e2	e11	2	e12
4	64	e1000	4	e125	5	e162	22	e463	e2	e14	e2	e12
5	50	e932	8	e240	8	e238	39	e779	e2	e17	1	e6.8
6	58	e1060	5	e126	3	e82	9	e168	e2	e12	1	e6.8
7	44	e915	e4	e97	e3	e79	2	e29	e2	e12	2	e12
8	52	e1680	2	e46	e4	e92	2	e29	e2	e14	2	e12
9	66	e2670	5	e126	4	e94	7	e85	e2	e14	1	e5.9
10	76	e3690	2	e39	e5	e108	2	e22	e2	e15	1	e5.7
11	59	e3190	e2	e33	6	e115	5	e70	e2	e13	1	e6.2
12	34	e1380	2	e35	4	e75	4	e42	e2	e13	1	e6.2
13	43	e2320	3	e45	5	e104	3	e22	e2	e13	2	e12
14	77	e4780	2	e33	3	e55	5	e36	e2	e12	1	e5.9
15	35	e2270	2	e34	5	e93	2	e17	e2	e12	1	e6.8
16	28	e1740	2	e31	5	e92	4	e40	e2	e11	1	e5.7
17	34	e2020	6	e76	5	e94	4	e36	e2	e11	1	e6.8
18	18	e972	2	e25	5	e112	3	e25	e2	e12	1	e5.4
19	10	e486	2	e17	5	e104	2	e11	e2	e12	1	e5.9
20	7	e302	3	e35	5	e104	2	e12	e2	e13	2	e12
21	7	e280	2	e24	e5	e104	2	e13	e2	e12	2	e13
22	e7	e321	2	e21	6	e112	e2	e15	e2	e12	2	e13
23	78	e5900	2	e25	4	e67	e2	e14	e2	e12	2	e15
24	106	e8300	3	e53	6	e117	e2	e12	e2	e12	3	e21
25	87	e7050	3	e58	8	e216	2	e10	e2	e11	2	e17
26	28	e2040	98	e2300	5	e127	e2	e12	e2	e10	e2	e23
27	12	e713	124	e2980	e4	e91	e2	e15	e2	e11	e2	e16
28	7	e352	164	e4740	6	e134	e2	e13	e2	e13	2	e16
29	7	e314	41	e1120	4	e81	2	e13	e2	e9.2	1	e7.3
30	e7	e268	18	e476	20	e394	2	e12	e2	e12	1	e7.0
31	---	---	15	e385	---	---	2	e14	e2	e12	---	---
TOTAL	---	58781	---	13918	---	3816	---	2567	---	380.2	---	320.4
YEAR	134168.8											

e Estimated

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.

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 sea level, (U.S. Army Corps of Engineers benchmark). Prior to June 6, 1979, at site 1.2 mi downstream at different datum.

AVERAGE DISCHARGE.--61 years, 273 ft³/s, 29.45 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft³/s, Dec. 31, 1948, gage height, 14.85 ft, former site and datum, from rating curve extended above 4,300 ft³/s on basis of contracted-opening measurement of peak flow; minimum, 5.8 ft³/s, Aug. 30, 31, Oct. 26, 1940; minimum daily, 24 ft³/s, Sept. 9, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,410 ft³/s, Dec. 17, gage height, 9.46 ft; minimum daily, 51 ft³/s, Aug.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	152	216	e142	204	e130	227	377	214	557	73	181
2	128	144	190	e142	168	e118	210	350	986	395	70	78
3	125	136	e130	e147	e106	e110	215	315	1320	199	70	64
4	133	135	e118	e147	e88	e99	243	261	1000	169	104	68
5	139	132	e106	e147	e122	e95	296	225	567	225	149	70
6	454	132	e106	e147	176	220	351	201	419	173	89	61
7	289	128	e106	153	140	238	503	189	341	142	78	58
8	212	127	e102	151	136	e130	1130	217	294	151	71	56
9	187	126	e99	150	176	e110	1360	167	230	200	69	54
10	179	344	e99	139	426	e106	2050	155	196	142	95	67
11	181	317	e118	143	e239	e106	1860	147	233	157	81	112
12	170	226	185	137	e177	e110	1870	149	474	136	102	69
13	158	197	e122	131	e173	160	2230	156	268	123	88	63
14	149	240	e110	130	213	185	2250	137	202	115	74	83
15	141	410	e114	128	377	174	1740	132	178	110	67	77
16	147	283	138	132	e239	185	1520	126	160	99	64	66
17	164	245	2280	130	e177	194	1290	123	383	134	63	62
18	434	220	1610	124	e142	200	1120	116	290	124	65	60
19	539	206	648	125	e142	183	938	117	187	101	61	58
20	325	193	482	124	e142	197	903	107	161	91	59	70
21	243	188	e371	121	e138	233	1220	99	158	85	61	332
22	212	182	e264	119	e138	793	2210	144	144	81	58	139
23	194	e142	e224	113	e138	595	2090	202	142	76	58	99
24	185	e114	e186	116	e147	414	1770	289	182	74	57	84
25	180	e118	e168	114	169	338	1120	262	147	71	54	472
26	173	e168	e147	111	204	e224	763	313	123	162	52	277
27	166	e290	e147	110	178	e229	644	816	102	122	52	134
28	158	284	e151	109	e130	e229	562	490	94	92	53	106
29	150	245	e155	108	---	251	446	350	91	83	53	93
30	151	229	e155	151	---	280	429	284	145	82	51	84
31	152	---	e151	247	---	279	---	261	---	77	52	---
TOTAL	6349	6053	9198	4188	5005	6915	33560	7277	9431	4548	2193	3297
MEAN	205	202	297	135	179	223	1119	235	314	147	70.7	110
MAX	539	410	2280	247	426	793	2250	816	1320	557	149	472
MIN	125	114	99	108	88	95	210	99	91	71	51	54
CFM5	1.63	1.60	2.35	1.07	1.42	1.77	8.88	1.86	2.49	1.16	.56	.87
IN.	1.87	1.79	2.72	1.24	1.48	2.04	9.91	2.15	2.78	1.34	.65	.97

MEAN	174	257	272	248	243	446	676	370	221	134	118	122
MAX	618	544	714	591	765	1038	1178	872	636	393	436	454
(WY)	1978	1956	1974	1949	1981	1979	1969	1943	1972	1945	2000	1960
MIN	41.0	46.5	118	60.8	75.3	139	253	144	81.0	60.4	48.2	34.5
(WY)	1965	1965	1962	1981	1980	1965	1995	1987	1965	1962	1980	1980

ANNUAL TOTAL	121865		98014			
ANNUAL MEAN	333		269		273	
HIGHEST ANNUAL MEAN					368	1975
LOWEST ANNUAL MEAN					135	1965
HIGHEST DAILY MEAN	2280	Dec 17	2280	Dec 17	10400	Dec 31 1948
LOWEST DAILY MEAN	80	Feb 11	51	Aug 30	24	Sep 9 1980
ANNUAL SEVEN-DAY MINIMUM	84	Feb 6	52	Aug 25	25	Sep 9 1980
MAXIMUM PEAK FLOW			4410	Dec 17	13000	Dec 31 1948
MAXIMUM PEAK STAGE			9.46	Dec 17	14.85	Dec 31 1948
INSTANTANEOUS LOW FLOW			48	Aug 30	5.8	Aug 30 1940
ANNUAL RUNOFF (CFSM)	2.64		2.13		2.17	
ANNUAL RUNOFF (INCHES)	35.98		28.94		29.45	
10 PERCENT EXCEEDS	592		477		580	
50 PERCENT EXCEEDS	245		151		166	
90 PERCENT EXCEEDS	120		71		66	

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 mi².

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 sea level, 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.--52 years, 82.8 ft³/s, 26.42 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,060 ft³/s, Dec. 21, 1973, gage height, 5.68 ft in gage well, from rating curve extended above 750 ft³/s on basis of slope-area measurement 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 ft³/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, 1,070 ft³/s, Apr. 10, gage height, 3.87 ft; minimum; 8.5 ft³/s, Aug. 30, 31.

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

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	46	70	e50	56	60	89	93	52	208	18	48
2	36	43	64	e50	46	57	83	84	246	161	16	16
3	35	41	57	e50	39	51	84	76	370	96	16	13
4	36	40	e52	e49	87	48	109	70	288	77	36	13
5	37	40	e45	e49	54	48	140	65	195	83	31	13
6	112	40	e44	e49	46	47	165	60	155	64	22	11
7	62	38	e43	e48	39	65	243	55	122	57	19	11
8	53	37	e41	e48	38	55	575	52	103	58	17	10
9	48	36	e40	e47	62	45	578	48	84	59	15	9.6
10	47	66	e40	e46	284	43	834	45	72	51	20	12
11	45	62	e48	e45	126	40	679	42	82	55	19	18
12	42	59	e60	e43	102	39	692	44	129	45	24	11
13	39	55	e42	e41	105	48	818	40	80	42	22	10
14	38	85	e38	e39	108	65	704	37	67	39	18	18
15	37	133	e42	38	185	56	538	37	61	37	15	13
16	39	92	e62	38	123	60	435	35	54	35	14	11
17	40	84	e600	37	108	63	353	34	105	43	14	11
18	130	76	e450	e36	90	63	294	33	73	37	14	10
19	133	72	e190	35	89	60	246	33	60	33	13	9.7
20	93	68	e150	34	88	70	215	32	60	31	13	12
21	83	66	e110	32	83	77	228	29	69	29	13	55
22	75	62	e92	e31	67	345	368	34	56	27	12	26
23	71	58	e74	e30	72	189	337	40	53	25	11	19
24	66	54	e64	e30	64	150	300	42	54	23	11	16
25	63	e50	e60	e29	65	126	213	40	47	21	10	39
26	60	72	e54	e28	89	111	170	70	42	44	10	32
27	57	83	e52	e28	66	98	146	133	38	30	9.8	25
28	53	76	e52	28	59	88	127	108	36	24	9.7	21
29	51	73	e54	28	---	84	111	85	34	22	9.4	19
30	50	73	e54	43	---	108	101	70	45	20	8.8	16
31	49	---	e52	64	---	100	---	60	---	19	9.6	---
TOTAL	1818	1880	2896	1243	2440	2559	9975	1726	2932	1595	490.3	548.3
MEAN	58.6	62.7	93.4	40.1	87.1	82.5	332	55.7	97.7	51.5	15.8	18.3
MAX	133	133	600	64	284	345	834	133	370	208	36	55
MIN	35	36	38	28	38	39	83	29	34	19	8.8	9.6
CFSM	1.38	1.47	2.19	.94	2.05	1.94	7.81	1.31	2.29	1.21	.37	.43
IN.	1.59	1.64	2.53	1.09	2.13	2.23	8.71	1.51	2.56	1.39	.43	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2001, BY WATER YEAR (WY)

	MEAN	46.4	77.0	92.4	81.2	82.9	144	205	111	65.2	32.7	28.7	29.0
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 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1949 - 2001

ANNUAL TOTAL	42472	30102.6	
ANNUAL MEAN	116	82.5	
HIGHEST ANNUAL MEAN			82.8
LOWEST ANNUAL MEAN			126
HIGHEST DAILY MEAN	1110	834	2200
LOWEST DAILY MEAN	23	8.8	3.2
ANNUAL SEVEN-DAY MINIMUM	25	9.6	3.4
MAXIMUM PEAK FLOW		1070	4060
MAXIMUM PEAK STAGE		3.87	6.35
INSTANTANEOUS LOW FLOW		8.5	3.1
ANNUAL RUNOFF (CFSM)	2.72	1.94	1.94
ANNUAL RUNOFF (INCHES)	37.09	26.29	26.42
10 PERCENT EXCEEDS	224	150	186
50 PERCENT EXCEEDS	76	51	49
90 PERCENT EXCEEDS	37	16	11

e Estimated

LOCATION (REVISED).---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.

PERIOD OF RECORD.--Discharge records: June 1931 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 525 ft above sea level, 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1945	2,990	6.82	Apr. 22	2030	* 3,110	* 6.96
Minimum discharge, 30 ft ³ /s, August 31.							

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	121	172	e145	160	114	218	403	182	172	49	82
2	119	116	150	e135	127	113	200	400	619	213	46	52
3	102	113	119	e130	108	110	202	362	809	120	47	46
4	101	109	e120	e125	e98	105	234	320	623	105	68	42
5	110	112	128	e122	108	e104	289	281	396	172	78	42
6	244	118	e110	e120	105	e102	318	239	306	122	55	38
7	181	112	e105	120	102	e102	374	211	249	97	49	38
8	137	113	e100	e115	95	e106	773	194	211	101	46	36
9	124	108	e98	e110	124	e106	827	184	183	122	44	36
10	120	170	e97	e107	313	e104	1140	171	162	93	66	38
11	125	182	e112	e105	214	e103	1040	157	197	88	67	42
12	128	145	e140	e100	e160	e100	1200	168	295	87	54	37
13	115	128	e100	e98	165	e120	1380	200	203	84	53	35
14	107	151	e98	100	155	e140	1180	157	160	82	49	48
15	102	314	e97	97	298	131	954	147	137	90	45	44
16	108	201	e98	98	212	135	847	138	123	74	42	41
17	122	168	1400	96	179	136	733	133	309	105	42	39
18	343	149	995	92	e140	142	634	124	248	100	42	35
19	342	141	446	93	e148	133	537	131	162	78	46	35
20	225	132	337	92	155	146	511	115	132	66	40	37
21	186	143	276	87	153	170	704	106	127	60	39	160
22	164	128	247	85	e123	588	1770	130	119	58	38	79
23	150	121	e205	e84	135	391	1730	170	112	55	36	56
24	144	102	e185	84	e120	275	1840	219	119	51	36	48
25	138	104	e175	82	e125	228	1060	171	110	52	34	145
26	133	144	e170	e79	e165	201	691	195	99	123	33	130
27	129	268	e165	78	141	185	603	431	88	96	33	73
28	122	254	e155	77	123	172	536	327	81	67	34	58
29	115	215	e145	76	---	166	441	304	78	59	34	57
30	118	190	e145	96	---	271	399	233	89	55	33	51
31	122	---	e155	179	---	259	---	224	---	51	33	---
TOTAL	4586	4572	7045	3207	4251	5258	23365	6745	6728	2898	1411	1700
MEAN	148	152	227	103	152	170	779	218	224	93.5	45.5	56.7
MAX	343	314	1400	179	313	588	1840	431	809	213	78	160
MIN	101	102	97	76	95	100	200	106	78	51	33	35

MEAN	151	210	213	196	182	320	536	322	180	123	105	116
MAX	418	412	471	425	575	958	1008	742	436	311	481	585
(WY)	1976	1960	1974	1937	1981	1936	1969	1943	1998	1935	1976	1938
MIN	30.9	39.6	94.6	61.6	54.2	68.0	215	116	53.1	39.8	41.2	25.6
(WY)	1965	1965	1948	1965	1980	1965	1946	1987	1964	1964	1964	1964

ANNUAL TOTAL	94954		71766				
ANNUAL MEAN	259		197			221	
HIGHEST ANNUAL MEAN						362	1976
LOWEST ANNUAL MEAN						98.9	1965
HIGHEST DAILY MEAN	1560	Feb 28	1840	Apr 24	6350		Dec 31 1948
LOWEST DAILY MEAN	79	Jul 14	a 33	Aug 26	b 21		Sep 22 1964
ANNUAL SEVEN-DAY MINIMUM	94	Feb 7	33	Aug 25	22		Sep 20 1964
MAXIMUM PEAK FLOW			3110	Apr 22	c 8450		Sep 21 1938
MAXIMUM PEAK STAGE			6.96	Apr 22	12.04		Sep 21 1938
INSTANTANEOUS LOW FLOW			30	Aug 31	4.0		Sep 27 1932
10 PERCENT EXCEEDS	458		367		456		
50 PERCENT EXCEEDS	193		123		142		
90 PERCENT EXCEEDS	108		46		57		

a Also occurred on August 27, 30, and 31

b Also occurred on September 23, 1964, and July 12, 1965.

c From rating curve extended above 2,800 ft³/s on basis of contracted-opening measurements at gage heights 10.13 ft, 10.49 ft, 11.50 ft, and 12.04 ft and slope-area measurement and computation of flow over dam at gage height 12.04 ft.

e Estimated.

HUDSON RIVER BASIN

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 mi².

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), 1936(M).

GAGE.--Water-stage recorder. Datum of gage is 355.41 ft above sea level. 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. National Weather Service telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s, Dec. 31, 1948, gage height, 21.15 ft, from floodmark in gage house, from rating curve extended above 30,000 ft³/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 ft³/s, Sept. 14, 1913.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	2315	*13,800	*11.99	Apr. 14	0200	8,410	9.91
Apr. 10	0215	8,340	9.87				

Minimum discharge, 49 ft³/s, Aug. 31, gage height, 1.73 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	391	465	763	e780	770	612	1220	1230	722	718	193	318
2	382	447	680	e740	642	617	1110	1170	1930	1450	182	252
3	349	429	539	e700	560	592	1120	1070	3150	668	186	173
4	349	417	e470	e680	439	553	1300	961	3170	526	253	153
5	384	412	e420	e660	542	554	1630	848	1950	690	355	162
6	871	443	e390	e620	540	452	1900	755	1470	569	256	145
7	875	415	e380	603	548	650	2420	688	1180	459	212	134
8	593	409	e380	577	492	586	5320	651	990	423	188	132
9	511	397	e370	565	566	553	5590	636	842	566	176	119
10	475	598	e380	499	1860	546	7610	572	715	448	182	125
11	472	886	e420	512	1310	514	6880	535	699	424	264	175
12	465	677	e430	518	e1000	497	6700	532	1230	416	218	168
13	436	579	e450	452	e940	572	7180	607	902	376	251	134
14	412	585	e460	501	e840	757	7140	519	691	356	206	159
15	385	1320	e470	474	e1500	673	5180	486	601	354	181	182
16	379	976	e480	469	1220	727	4390	464	540	323	164	151
17	440	822	5810	463	e940	742	3650	448	922	360	156	141
18	852	735	7400	462	e760	788	3130	429	1030	414	160	128
19	1640	681	2830	443	e700	734	2660	430	672	317	157	124
20	1030	639	2080	427	e780	807	2310	406	545	304	147	125
21	816	628	1610	401	888	956	2700	377	537	265	142	463
22	700	599	1430	410	668	2600	4300	407	501	247	138	396
23	631	558	1190	379	750	2260	5530	559	465	232	132	249
24	604	467	e1000	421	688	1640	4700	723	495	217	129	202
25	557	471	e840	393	680	1380	3460	686	477	212	123	458
26	543	561	e700	373	878	1180	2250	624	418	335	118	777
27	524	978	e760	383	770	1090	1910	1710	368	418	113	363
28	496	976	e780	369	666	1020	1710	1420	336	278	119	270
29	464	860	e720	359	---	976	1430	1220	310	235	117	237
30	463	798	e760	378	---	1390	1310	941	326	219	111	213
31	464	---	e820	748	---	1440	---	842	---	204	113	---
TOTAL	17953	19228	36212	15759	22937	28458	107740	22946	28184	13023	5442	6828
MEAN	579	641	1168	508	819	918	3591	740	939	420	176	228
MAX	1640	1320	7400	780	1860	2600	7610	1710	3170	1450	355	777
MIN	349	397	370	359	439	452	1110	377	310	204	111	119
CFSM	1.14	1.26	2.29	1.00	1.61	1.80	7.04	1.45	1.84	.82	.34	.45
IN.	1.31	1.40	2.64	1.15	1.67	2.08	7.86	1.67	2.06	.95	.40	.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

MEAN	530	887	983	957	930	1682	2326	1283	705	438	352	390
MAX	2238	3394	2449	3002	2546	4595	4247	3094	2362	1349	1893	2668
(WY)	1978	1928	1974	1979	1984	1936	1993	1984	1972	1915	1976	1938
MIN	83.7	111	149	135	233	406	875	358	195	142	113	95.7
(WY)	1965	1965	1915	1931	1931	1965	1946	1987	1964	1962	1913	1964

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

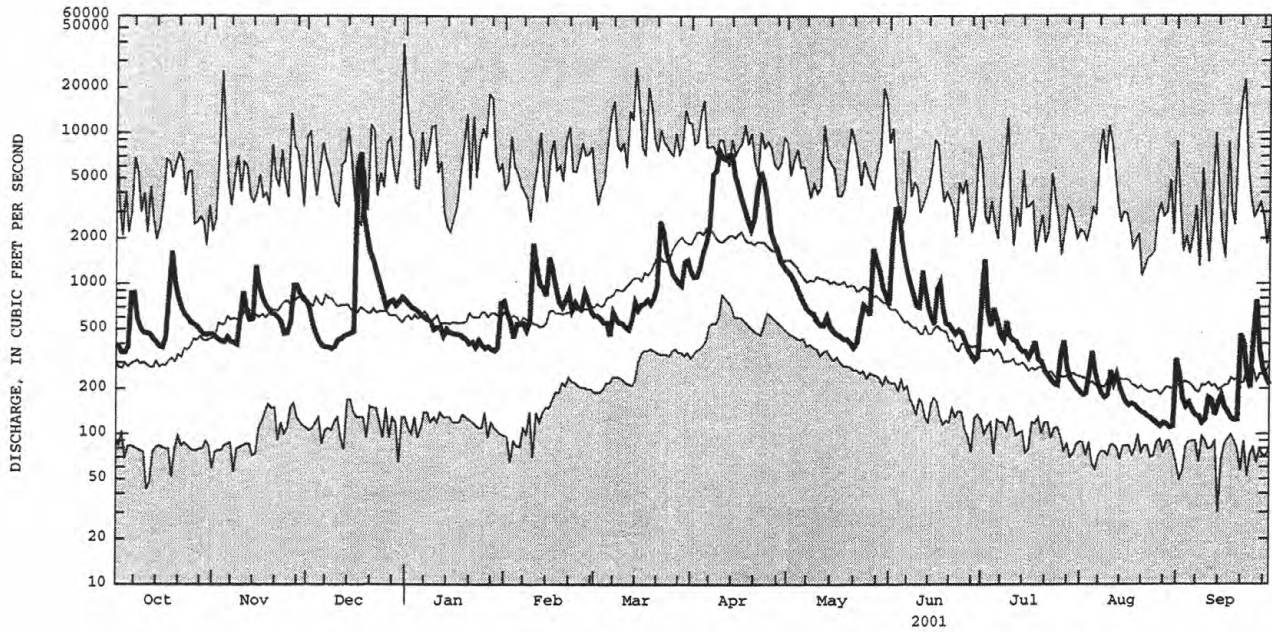
FOR 2001 WATER YEAR

WATER YEARS 1910 - 2001

ANNUAL TOTAL	467814	324710	
ANNUAL MEAN	1278	890	955
HIGHEST ANNUAL MEAN			1611
LOWEST ANNUAL MEAN			378
HIGHEST DAILY MEAN	8100	7610	39000
LOWEST DAILY MEAN	349	111	30
ANNUAL SEVEN-DAY MINIMUM	386	116	77
ANNUAL RUNOFF (CFSM)	2.51	1.74	1.87
ANNUAL RUNOFF (INCHES)	34.12	23.68	25.43
10 PERCENT EXCEEDS	2360	1640	2130
50 PERCENT EXCEEDS	930	548	566
90 PERCENT EXCEEDS	442	182	173

e Estimated

01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

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 mi²). Daily discharge records prior to October 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 sea level. 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 ft³/s, Mar. 28, 1913; maximum discharge since construction of lake, 118,000 ft³/s, Jan. 1, 1949; maximum gage height, 36.38 ft, May 30, 31, 1984; minimum daily discharge, 1,170 ft³/s, July 25, 1983; minimum instantaneous discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 39,900 ft³/s, Dec. 18, gage height, 29.34 ft; maximum gage height, 32.12 ft, May 28; minimum daily discharge, 1,950 ft³/s, Aug. 2; minimum instantaneous discharge not determined.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4550	5690	7200	10600	5540	5450	9210	14600	10100	7950	2990	2600
2	5080	5240	6710	9670	5390	5150	8730	13600	11900	9550	1950	3050
3	4130	5490	6330	9290	5330	5030	8130	12900	15400	9780	2270	2690
4	3470	4420	5660	8510	4880	4840	8880	12600	17100	8880	2830	3340
5	3980	5220	5350	8480	4730	5040	10500	12300	14400	10300	3750	2720
6	6030	5260	4890	8170	4800	4560	11900	11400	13500	8690	3190	2720
7	4570	5250	5530	8220	4770	5010	13100	9220	11700	7150	2620	2310
8	5670	5310	5110	7620	4690	5170	22600	9770	10900	6200	2630	2600
9	5440	5700	4940	7200	4990	5670	27900	9780	10200	5810	2540	2540
10	4400	5830	4780	7520	6740	5290	30800	9120	9890	5010	3010	2380
11	5030	6210	5050	7650	7610	5570	30900	6790	8440	6730	2980	2270
12	4600	7650	5110	7140	6410	5740	26800	7020	8840	4980	2620	2510
13	4530	7350	5520	7900	6290	6030	28800	6760	8500	4010	2740	3130
14	4780	6850	5990	7250	6610	6790	31900	6980	8480	3410	2500	2850
15	4420	8500	4940	6790	7380	6580	30500	7560	7540	3490	2720	2820
16	4530	7820	4860	6710	6980	7760	28500	6090	7610	4260	2260	2260
17	5180	7420	17600	6730	6500	8240	26900	5190	7780	4420	2320	2670
18	6310	7680	37900	7170	5820	8040	25000	5220	9170	4020	2660	2090
19	9010	7220	27800	6650	5520	7460	22700	4050	8910	2860	2380	2520
20	8190	7000	20200	6700	5690	8200	19900	4320	8250	3060	3010	2760
21	7750	6270	14000	6720	5950	8800	18600	4770	8000	2480	2660	3000
22	7190	6260	12100	6580	5780	12100	21900	4560	7530	3410	2340	2810
23	6280	6040	10800	6550	6000	15400	31100	4960	6890	3020	2650	3190
24	6690	e6000	9260	5480	5730	11900	34000	6860	7780	2650	2500	3150
25	6820	5540	9980	4860	5810	9980	34800	8330	10600	1970	2340	3250
26	6170	4960	e10000	4280	6200	8840	31400	8950	11000	2460	2260	4400
27	4320	6400	e9400	4050	5800	9000	e26000	10100	8890	3540	2200	4640
28	6070	7280	9740	4430	5380	7850	21900	13000	9180	3280	2880	2970
29	5500	7090	9950	4200	---	7340	19600	12800	7910	2900	2190	3630
30	5480	7420	9510	4230	---	8940	16200	11600	7540	2530	2130	2770
31	5430	---	10200	4770	---	10300	---	11100	---	2970	2700	---
TOTAL	171600	190370	306410	212120	163320	232070	679150	272300	293930	151770	80820	86640
MEAN	5535	6346	9884	6843	5833	7486	22640	8784	9798	4896	2607	2888
MAX	9010	8500	37900	10600	7610	15400	34800	14600	17100	10300	3750	4640
MIN	3470	4420	4780	4050	4690	4560	8130	4050	6890	1970	1950	2090

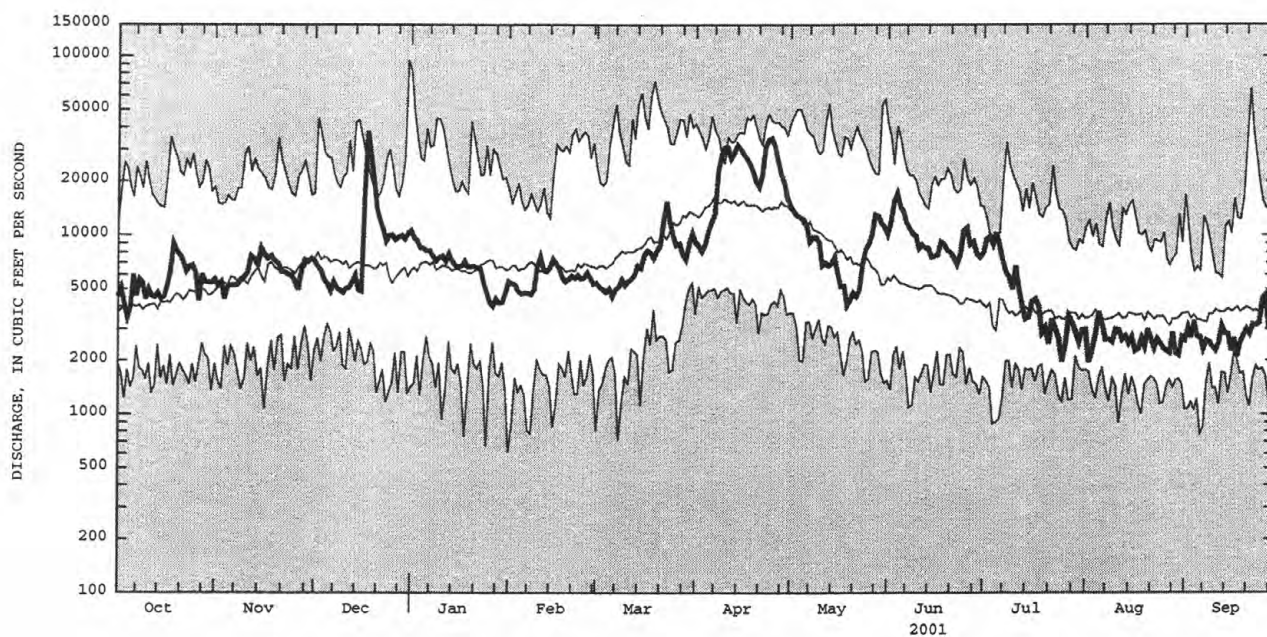
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2001, BY WATER YEAR (WY)

	MEAN	5506	7415	7781	7891	7361	11030	16010	10980	6341	4385	3843	4129
MAX	16560	14490	18960	18480	16250	25600	29480	24610	16750	12740	8605	11320	
(WY)	1978	1996	1997	1949	1981	1936	1993	1996	1947	1935	2000	1938	
MIN	2378	2539	2696	2063	1611	3440	5508	2622	2009	1937	1604	2169	
(WY)	1942	1931	1931	1931	1931	1931	1931	1995	1941	1941	1941	1941	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1931 - 2001
ANNUAL TOTAL	3766970	2840500	
ANNUAL MEAN	10290	7782	7717
HIGHEST ANNUAL MEAN			11050
LOWEST ANNUAL MEAN			4240
HIGHEST DAILY MEAN	37900	37900	94400
LOWEST DAILY MEAN	3470	1950	614
ANNUAL SEVEN-DAY MINIMUM	4270	2360	1180
10 PERCENT EXCEEDS	20300	13000	15300
50 PERCENT EXCEEDS	7800	6200	5660
90 PERCENT EXCEEDS	4850	2680	2820

e Estimated

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

01335764 HUDSON RIVER BELOW LOCK 1 AT PLEASANTDALE, NY

LOCATION.--Lat 42°48'23", long 73°39'29", Rensselaer County, Hydrologic Unit 02020003, on left bank approximately 700 ft north of the end of River Road, 1.4 mi upstream from U.S. Highway 4 bridge in Waterford, and 1.4 mi downstream from dam at Lock 1 of the Champlain (Barge) Canal.

DRAINAGE AREA.--4,610 mi².

PERIOD OF RECORD.--December 1998 to current year.

ORGANIC DATA: OC--1999-2000 (e), 2001 (b).

SEDIMENT DATA: 1999-2000 (e), 2001 (b).

INSTRUMENTATION.--Point-sample intake for automatic sampler located approximately 70 ft from left bank.

REMARKS.--Water discharge data based on records obtained above Lock 1 near Waterford (station 01335754), 1.4 mi upstream. A sampling method code of 50 indicates a sample collected at one point in the cross section.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
SEP							
07...	1055	2380	50	19	E.7	95	5
07...	1230	2500	50	3.7	.5	96	6
07...	1355	1940	50	3.0	.5	89	7

E Estimated

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 mi².

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).

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), 1976-2001 (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. Values reported for sediment discharge suspended, parameter code 80155, are calculated based on instantaneous discharges.

EXTREMES FOR PERIOD OF DAILY RECORD (water years 1977-2001).--

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.

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, 554 mg/L, Dec. 18; minimum daily mean, 1 mg/L, Oct. 1, 11, Feb. 3, 8.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 57,900 tons, Dec. 18; minimum daily, 11 tons, Sept. 18.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	AROCLO 1016/ 1242 PCB WATER UNFLTRD (UG/L) (81648)	AROCLO 1254 PCB TOTAL (UG/L) (39504)	AROCLO 1260 PCB TOTAL (UG/L) (39508)	SEDI- MENT, SUS- PENDE D (MG/L) (80154)
OCT						
11...	1230	3990	<.02	<.02	<.02	1
25...	1327	7750	<.02	<.01	<.01	2
NOV						
09...	1322	6380	<.02	<.01	<.01	1
21...	1342	6700	.02	<.01	<.01	1
DEC						
08...	1422	3610	.03	<.02	<.02	2
19...	1354	26700	.03	<.01	<.01	83
FEB						
28...	1545	3910	E.002	E.004	E.003	3
MAR						
15...	1235	5310	E.001	<.005	<.005	3
30...	1450	9750	E.002	<.005	<.005	72
APR						
05...	1430	9530	E.002	<.005	<.005	40
12...	1315	26500	.016	<.005	<.005	54
16...	1410	28300	.029	E.007	<.005	34
20...	1446	19900	.040	<.005	<.005	11
23...	1452	32700	.044	E.052	<.005	83
24...	1455	34000	.084	E.032	<.005	68
26...	1346	31400	.053	E.016	<.005	30
MAY						
03...	1358	12700	.030	E.011	<.005	6
16...	1643	6140	.005	E.003	<.005	7
D16...	1655	6090	<.005	<.005	<.005	7
22...	1425	3510	.062	E.011	<.005	3
31...	1707	11100	.066	E.012	<.005	9
JUN						
15...	1355	6240	E.020	E.005	<.005	6
JUL						
02...	1422	10400	E.017	E.006	<.005	10
SEP						
07...	1600	1270	<.005	<.005	<.005	2
19...	1535	1750	E.018	<.005	<.005	2

E Estimated

D Duplicate sample

HUDSON RIVER BASIN

01335770 HUDSON RIVER AT WATERFORD, NY--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)
OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1	12	4	61	4	78	e3	e86	e3	e45	e3	e44
2	2	27	3	42	e4	e72	e3	e78	e3	e44	6	83
3	2	22	e3	e44	4	68	e3	e75	1	14	3	41
4	3	28	3	36	2	31	e3	e69	e2	e26	e3	e39
5	e3	e32	3	42	3	43	e3	e69	e2	e26	e2	e27
6	e3	e49	e2	e28	e3	e40	e3	e66	e2	e26	e2	e25
7	e3	e37	2	28	e2	e30	e3	e67	2	26	2	27
8	4	61	3	43	2	28	e3	e62	1	13	e2	e28
9	2	29	4	62	3	40	e3	e58	e2	e27	2	31
10	2	24	3	47	e4	e52	e3	e61	e2	e36	2	29
11	1	14	e5	e84	5	68	e3	e62	e10	e205	2	30
12	3	37	7	145	e5	e69	e3	e58	13	225	2	31
13	3	37	5	99	e5	e75	e3	e64	e10	e170	2	33
14	e5	e65	e4	e74	e5	e81	e3	e59	e5	e89	e3	e55
15	e10	e119	e4	e92	e5	e67	e3	e55	e3	e60	5	89
16	5	61	e4	e84	e7	e92	e3	e54	e3	e57	5	105
17	6	84	4	80	e338	e30400	e3	e55	e3	e53	e5	e111
18	4	68	e3	e62	e554	e57900	e3	e58	e3	e47	5	109
19	9	219	3	58	e122	e9040	e3	e54	e3	e45	e5	e101
20	8	177	e3	e57	e132	e7460	e3	e54	3	46	e5	e111
21	6	126	2	34	e70	e2650	e3	e54	e2	e32	11	261
22	5	97	e2	e34	e50	e1630	e3	e53	e2	e31	33	1220
23	3	51	e2	e33	e30	e875	e3	e53	e2	e32	57	2400
24	5	90	18	e292	e20	e500	e3	e44	e2	e31	16	514
25	3	55	e5	e75	e15	e404	e3	e39	e2	e31	10	269
26	4	67	3	40	e10	e270	e3	e35	e2	e33	8	191
27	2	23	6	104	e7	e178	e3	e33	2	31	e6	e146
28	e2	e33	6	118	e5	e131	e3	e36	3	44	5	106
29	3	45	8	153	e4	e107	e3	e34	---	---	e5	e99
30	3	44	6	120	e4	e103	e3	e34	---	---	41	1050
31	3	44	---	---	e4	e110	e3	e39	---	---	23	640
TOTAL	---	1877	---	2271	---	112692	---	1718	---	1545	---	8045

DAY	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15	373	8	315	6	164	11	236	e3	e24	e3	e21
2	13	306	5	184	16	514	12	309	e3	e16	e3	e25
3	10	220	8	279	e18	748	6	158	e3	e18	4	29
4	22	527	7	238	e9	416	e35	e839	e3	e23	4	36
5	52	1480	6	199	e8	e311	e30	e834	e3	e30	3	22
6	82	2720	4	123	16	583	20	469	e3	e26	3	22
7	29	1030	6	149	8	253	e10	e193	e3	e21	3	19
8	70	4550	5	132	7	206	e7	e117	e3	e21	e2	e14
9	75	5720	4	106	5	138	5	78	e3	e21	2	14
10	82	6860	2	49	3	80	4	54	e3	e24	4	26
11	75	6290	2	37	5	114	3	55	e3	e24	3	18
12	56	4050	e3	e57	4	95	e3	e40	e3	e21	2	14
13	56	4400	4	73	5	115	2	22	e3	e22	3	25
14	101	8730	5	94	6	137	e2	e18	e3	e20	2	15
15	64	5310	4	82	4	81	2	19	e3	e22	2	15
16	38	2920	3	49	8	164	3	35	e3	e18	e2	e12
17	26	1890	3	42	6	126	e3	e36	e3	e19	2	14
18	19	1280	4	56	e6	e149	3	33	e3	e22	2	11
19	13	797	4	44	e6	e144	e3	e23	e3	e19	2	14
20	7	376	3	35	6	134	e3	e25	e3	e24	2	15
21	5	251	3	39	6	130	e3	e20	e3	e22	3	24
22	11	650	3	37	6	122	e3	e28	e3	e19	3	23
23	91	7750	4	54	3	56	e3	e24	e3	e21	2	17
24	109	9950	4	74	7	147	e3	e21	e3	e20	3	26
25	77	7220	5	112	11	315	e3	e16	e3	e19	2	18
26	34	2990	e65	1640	7	208	e3	e20	e3	e18	2	24
27	18	e1260	e111	3150	5	120	e3	e29	e3	e18	3	38
28	13	769	e152	5250	6	149	e3	e27	3	23	3	24
29	7	370	e33	1140	4	85	e3	e23	e3	18	4	39
30	14	612	12	376	6	122	e3	e20	3	17	2	15
31	---	---	8	240	---	---	e3	e24	2	15	---	---
TOTAL	---	91651	---	14455	---	6126	---	3845	---	645	---	629

YEAR 245499

e Estimated

HUDSON RIVER BASIN

77

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 mi².

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. Datum of gage is 472.85 ft above sea level. 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 ft³). Small quantity of water diverted from Delta Reservoir for fish hatchery use and later returned to river, part upstream and part downstream from station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,560 ft³/s, Oct. 2, 1945, gage height, 11.18 ft, from rating curve extended above 5,200 ft³/s on basis of flow-over-dam measurement of peak flow; minimum discharge, 18 ft³/s, July 21, 27, Oct. 24, 25, 1983, minimum gage height, 0.63 ft, Oct. 24, 25, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,720 ft³/s, June 23, gage height, 6.41 ft; minimum, 85 ft³/s, Oct. 5, gage height, 1.31 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	147	691	210	248	401	321	321	268	449	239	174
2	179	147	240	210	244	399	314	271	304	417	239	174
3	172	146	238	210	241	397	314	241	358	246	239	174
4	180	147	235	268	240	396	326	224	457	244	239	173
5	177	146	234	365	239	885	339	213	419	244	238	172
6	181	145	621	740	239	513	354	187	343	401	216	172
7	179	145	1040	1030	238	649	370	178	280	344	188	172
8	177	144	1040	1020	238	1110	466	176	237	244	188	172
9	177	145	1030	1010	242	1090	430	174	209	244	188	172
10	172	155	1030	1010	272	1070	409	174	192	245	188	172
11	167	154	466	470	262	1050	393	174	226	244	188	172
12	159	149	228	239	257	513	444	174	445	244	188	172
13	149	147	220	239	255	283	405	177	389	244	186	172
14	148	148	228	239	249	289	384	175	308	244	185	171
15	148	154	237	238	261	286	467	176	251	244	185	171
16	154	163	237	239	254	287	828	173	229	244	185	169
17	155	163	323	239	251	285	1110	172	254	244	186	169
18	190	158	378	239	250	285	1120	172	221	244	185	169
19	166	154	834	239	248	285	932	172	197	244	185	169
20	155	152	1100	239	246	285	877	172	185	243	186	170
21	151	361	1090	238	249	288	901	172	178	241	185	169
22	151	451	1090	238	694	334	1330	179	199	241	180	169
23	149	591	1090	237	1020	334	1330	236	1390	241	174	169
24	149	666	717	236	1020	320	1010	431	2110	241	174	189
25	148	663	519	236	1010	308	767	400	1120	241	174	724
26	147	902	519	236	1010	298	570	322	625	241	174	1200
27	147	1140	320	235	587	297	450	276	407	241	174	1190
28	147	1130	210	234	404	294	376	287	421	241	174	1180
29	147	1110	210	235	---	295	309	247	346	240	174	1170
30	147	1100	210	235	---	339	355	207	358	239	174	866
31	147	---	210	245	---	342	---	237	---	239	175	---
TOTAL	5000	11123	16835	11298	10968	14207	18001	6890	12926	8163	5953	10457
MEAN	161	371	543	364	392	458	600	222	431	263	192	349
MAX	190	1140	1100	1030	1020	1110	1330	431	2110	449	239	1200
MIN	147	144	210	210	238	283	309	172	178	239	174	169

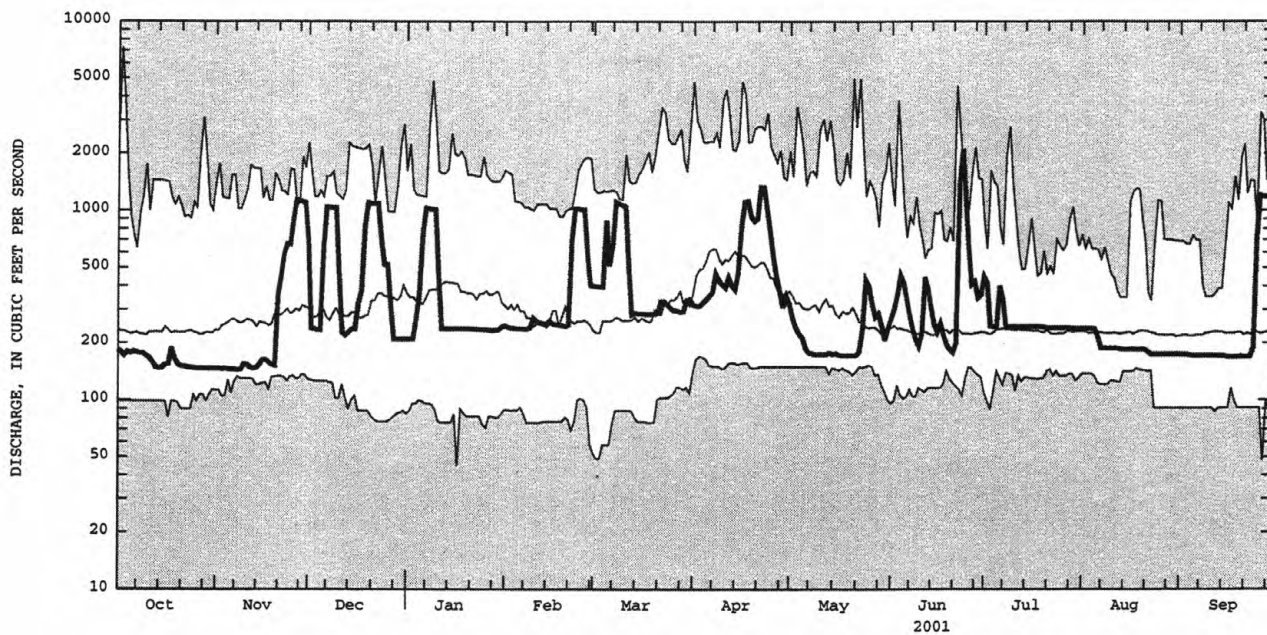
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001, BY WATER YEAR (WY)

	MEAN	302	360	405	471	383	438	664	383	274	252	235	249
MAX	1199	784	920	1152	917	1038	1319	929	755	518	448	651	
(WY)	1946	1960	1997	1930	1932	1943	1993	1972	1972	1935	2000	1945	
MIN	105	135	102	85.5	98.4	92.9	185	152	147	147	143	92.6	
(WY)	1935	1999	1961	1961	1961	1931	1946	1995	1988	1941	1941	1934	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1928 - 2001
ANNUAL TOTAL	146537	131821	
ANNUAL MEAN	400	361	368
HIGHEST ANNUAL MEAN			601
LOWEST ANNUAL MEAN			219
HIGHEST DAILY MEAN	3040	May 11	7270
LOWEST DAILY MEAN	144	Nov 8	45
ANNUAL SEVEN-DAY MINIMUM	145	Nov 3	55
10 PERCENT EXCEEDS	966		729
50 PERCENT EXCEEDS	234		250
90 PERCENT EXCEEDS	160		167

HUDSON RIVER BASIN

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01343060 WEST CANADA CREEK NEAR WILMURT, NY

LOCATION.--Lat 43°21'58", long 74°57'29", Herkimer County, Hydrologic Unit 02020004, on right bank 15 ft downstream from bridge on State Highway 8, 2.6 mi southwest of Wilmurt, and about 3.0 mi upstream from Hinckley Reservoir.

DRAINAGE AREA.--258 mi².

PERIOD OF RECORD.--April 2001 (maximum only), June to September 2001.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,257.97 ft above sea level.

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, 8,340 ft³/s, Apr. 22, 2001, gage height, 9.9 ft, from floodmark; minimum discharge, 46 ft³/s, Sept. 16, 17, 18, 19, 20, 2001, gage height, 2.30 ft.

EXTREMES FOR CURRENT PERIOD.--April to September: Peak discharges greater than base discharge of 6,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 22	Unknown	*8,340	a*9.9	June 24	0015	7,410	9.41

a From floodmarks.

Minimum discharge, 46 ft³/s, Sept. 16, 17, 18, 19, 20, gage height, 2.30 ft.

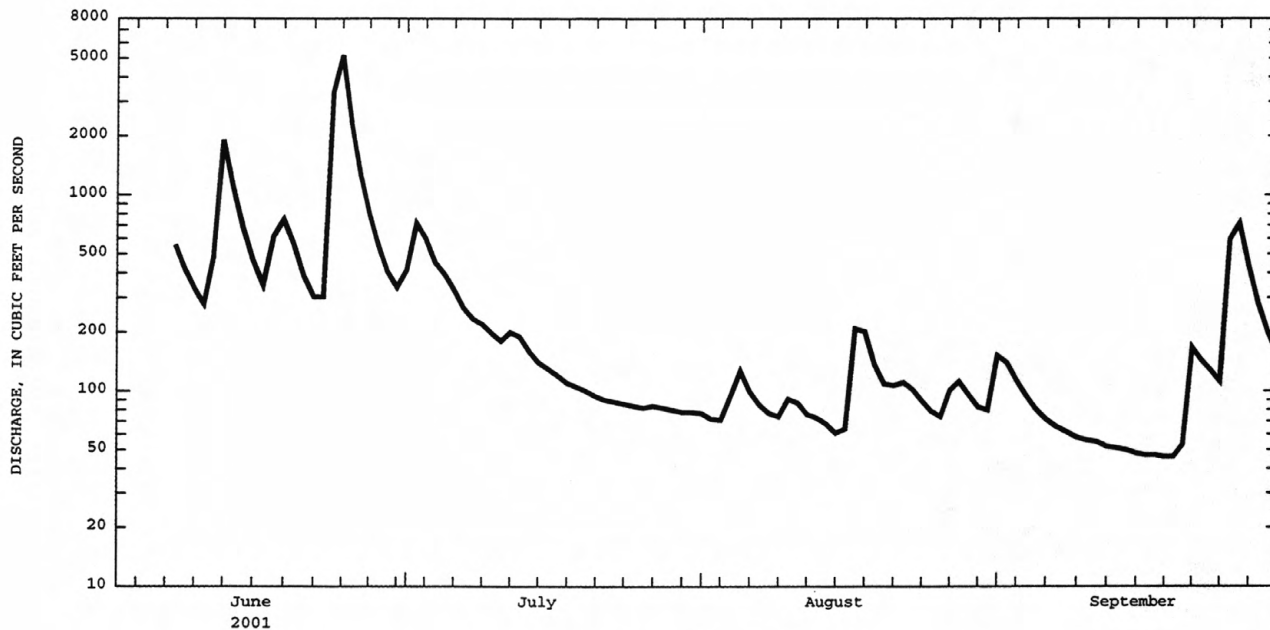
**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	415	e77	152
2	---	---	---	---	---	---	---	---	---	719	72	140
3	---	---	---	---	---	---	---	---	---	601	71	114
4	---	---	---	---	---	---	---	---	---	453	94	95
5	---	---	---	---	---	---	---	---	---	395	127	81
6	---	---	---	---	---	---	---	---	---	329	99	72
7	---	---	---	---	---	---	---	---	---	557	85	66
8	---	---	---	---	---	---	---	---	---	421	234	62
9	---	---	---	---	---	---	---	---	---	336	220	58
10	---	---	---	---	---	---	---	---	---	279	198	56
11	---	---	---	---	---	---	---	---	482	e180	87	55
12	---	---	---	---	---	---	---	---	1910	e200	76	52
13	---	---	---	---	---	---	---	---	1100	e190	73	51
14	---	---	---	---	---	---	---	---	684	e160	68	50
15	---	---	---	---	---	---	---	---	468	e140	61	48
16	---	---	---	---	---	---	---	---	350	e130	64	47
17	---	---	---	---	---	---	---	---	615	e120	209	47
18	---	---	---	---	---	---	---	---	752	e110	202	46
19	---	---	---	---	---	---	---	---	556	e105	137	46
20	---	---	---	---	---	---	---	---	386	e100	109	53
21	---	---	---	---	---	---	---	---	304	e94	107	167
22	---	---	---	---	---	---	---	---	303	e90	111	144
23	---	---	---	---	---	---	---	---	3360	e88	102	128
24	---	---	---	---	---	---	---	---	5190	e86	89	112
25	---	---	---	---	---	---	---	---	2290	e84	79	593
26	---	---	---	---	---	---	---	---	1270	e82	74	716
27	---	---	---	---	---	---	---	---	806	e84	101	433
28	---	---	---	---	---	---	---	---	556	e82	112	282
29	---	---	---	---	---	---	---	---	408	e80	96	202
30	---	---	---	---	---	---	---	---	339	e78	83	156
31	---	---	---	---	---	---	---	---	---	e78	80	---
TOTAL	---	---	---	---	---	---	---	---	---	6191	2987	4324
MEAN	---	---	---	---	---	---	---	---	---	200	96.4	144
MAX	---	---	---	---	---	---	---	---	---	719	209	716
MIN	---	---	---	---	---	---	---	---	---	78	61	46
CFSM	---	---	---	---	---	---	---	---	---	.77	.37	.56
IN.	---	---	---	---	---	---	---	---	---	.89	.43	.62

e Estimated

HUDSON RIVER BASIN

01343060 WEST CANADA CREEK NEAR WILMURT, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01346000 WEST CANADA CREEK AT KAST BRIDGE, NY

LOCATION.--Lat 43°04'08", long 74°59'19", Herkimer County, Hydrologic Unit 02020004, on right bank 600 ft downstream from bridge on old State Highway 28 at Kast Bridge, 1.2 mi downstream from North Creek, 2.2 mi north of Herkimer, and 4.0 mi upstream from mouth. Prior to Oct. 23, 1985, at site on left bank.

DRAINAGE AREA.--560 mi².

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 sea level. Prior to Sept. 18, 1920, nonrecording gage at former highway bridge 500 ft upstream at different 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 ft³). Diurnal fluctuation at low and medium flow caused by powerplants upstream from station. Diversion at Trenton Falls, 26 mi upstream from station, by Ninemile feeder since 1915 during canal navigation season. Diversion from Hinckley Reservoir for Utica water supply returned to Mohawk River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to regulation, 23,300 ft³/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 ft³/s, Oct. 2, 1945, gage height, 8.08 ft; minimum discharge, 20 ft³/s, Sept. 3, 1929, gage height, 0.90 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,520 ft³/s, Apr. 25, gage height, 5.96 ft; minimum, 229 ft³/s, Aug. 12, Sept. 20, gage height, 2.07 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	855	997	1180	e1100	1070	1440	1360	2730	1670	1030	600	586
2	825	995	1090	e1050	880	1950	1280	2640	1510	1040	589	544
3	813	981	1030	e1000	806	1010	1300	2740	2120	880	584	523
4	801	892	1040	e1050	757	886	1640	2690	2370	857	500	510
5	812	882	981	e1000	e740	883	2080	2500	2010	903	471	501
6	1290	870	1000	e1050	e760	880	2300	2420	1810	890	472	500
7	1080	880	e1000	e1100	728	907	2980	1650	1720	858	456	492
8	992	843	e980	e1100	743	887	5510	2370	1290	840	467	493
9	946	853	e1000	e1150	905	877	5500	995	1060	846	552	463
10	1030	1030	e1000	e1100	2120	861	5300	873	1030	824	743	459
11	863	940	1020	e1050	1370	838	4100	845	1460	803	511	483
12	798	787	1360	e1000	1080	841	5210	880	1760	808	469	385
13	857	770	1150	e980	984	924	5270	944	1160	754	482	341
14	825	858	e1050	e900	882	982	4040	955	1090	707	476	356
15	826	1010	e1000	e880	1040	952	3670	1040	1030	706	478	428
16	1340	1030	e1050	e900	1180	994	3390	1080	985	697	477	418
17	1180	1010	3800	e920	1150	958	3170	674	1140	720	550	393
18	2380	946	2270	e900	1070	925	2980	616	1020	671	534	394
19	1600	876	1530	e820	e1000	913	2770	648	986	678	478	397
20	1220	823	1300	e780	1070	933	2310	611	913	673	490	383
21	1090	808	1180	e720	e1000	1030	2360	602	1000	632	489	603
22	990	796	e1150	e700	1070	2000	2740	1270	982	652	504	406
23	937	778	e1100	e680	1290	1960	4980	1630	5480	630	503	366
24	993	779	e1200	e660	1410	1480	8550	1240	6570	650	578	418
25	821	797	e1150	e680	1490	1250	9030	953	5790	628	533	1290
26	912	1230	e1100	e700	1590	1050	6470	941	3880	696	482	719
27	896	2410	e1050	e660	1490	1050	4690	973	2630	635	507	541
28	1000	1940	e1100	671	1500	1020	3950	1030	1740	622	490	550
29	1030	1470	e1050	660	---	1030	3480	1240	1760	606	498	586
30	1020	1150	e1150	668	---	1690	2970	1800	1200	603	486	520
31	1010	---	e1100	945	---	1780	---	1720	---	606	499	---
TOTAL	32032	30431	38161	27574	31175	35181	115380	43300	59166	23145	15948	15048
MEAN	1033	1014	1231	889	1113	1135	3846	1397	1972	747	514	502
MAX	2380	2410	3800	1150	2120	2000	9030	2740	6570	1040	743	1290
MIN	798	770	980	660	728	838	1280	602	913	603	456	341

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2001, BY WATER YEAR (WY)

	944	1319	1387	1333	1240	1877	2921	1867	990	745	601	696
MEAN	944	1319	1387	1333	1240	1877	2921	1867	990	745	601	696
MAX	3131	2984	2835	3044	2704	3725	5623	4667	3875	2075	1481	1831
(WY)	1946	1960	1997	1930	1981	1945	1993	1972	1972	1935	1986	1977
MIN	338	335	621	453	316	681	1056	594	359	283	227	284
(WY)	1965	1965	1931	1931	1931	1940	1995	1987	1941	1941	1934	1934

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

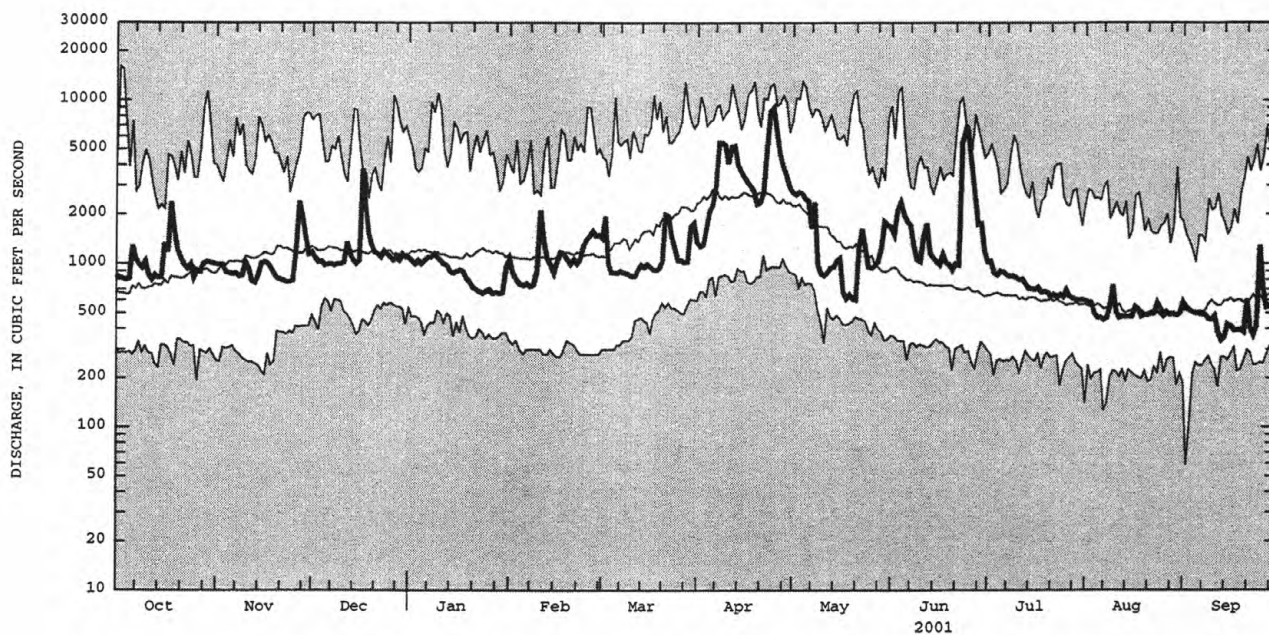
WATER YEARS 1921 - 2001

ANNUAL TOTAL	569647	466541	
ANNUAL MEAN	1556	1278	
HIGHEST ANNUAL MEAN			1326
LOWEST ANNUAL MEAN			1872
HIGHEST DAILY MEAN	8180	May 13	829
LOWEST DAILY MEAN	622	Jul 6	16100
ANNUAL SEVEN-DAY MINIMUM	673	Jul 3	59
10 PERCENT EXCEEDS	2930		211
50 PERCENT EXCEEDS	1100		2580
90 PERCENT EXCEEDS	802		1000
			455

e Estimated

HUDSON RIVER BASIN

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

83

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 mi².

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 sea level (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 ft³) (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 ft³/s, Mar. 14, 1977, gage height, 19.17 ft, from floodmark in gage house; minimum discharge (river channel only), 214 ft³/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 ft³/s, Mar. 27, 1913 (from report by R. E. Horton, 1913), at site 01346500 "at Little Falls" (drainage area, 1,290 mi²).

EXTREMES FOR CURRENT YEAR.--Maximum discharge (river channel only), 22,600 ft³/s, Apr. 10, gage height, 15.85 ft; minimum discharge (river channel only), 535 ft³/s, Sept. 20, gage height, 4.52 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1320	1540	3460	e2200	2850	2880	5570	3500	2220	2010	1060	1110
2	1270	1510	2900	e2100	2700	3010	4940	3310	2180	2390	1070	1090
3	1280	1510	2130	e2100	2310	2420	4360	3370	3100	1980	1040	936
4	1250	1420	1940	e2100	1930	2050	4950	3290	3550	1670	984	891
5	1270	1400	1880	e2100	1960	2060	6390	3050	3670	1700	939	822
6	2290	1390	1870	e2100	1940	2350	7360	2880	2870	1690	897	827
7	2410	1400	2180	e2200	1820	2240	8740	2340	2520	1650	888	843
8	1860	1350	3020	e2500	1720	2170	15300	2650	2090	1590	879	815
9	1660	1320	3220	e2700	1910	2570	18500	1750	1650	1470	880	786
10	1610	1600	2620	e2900	5250	2580	20200	1470	1560	1450	1340	768
11	1550	1900	2490	e2700	5740	2470	16200	1400	1750	1410	1030	783
12	1330	1730	2600	e2300	4300	2410	14600	1390	3640	1370	864	693
13	1370	1540	2500	1840	3380	2250	15100	1530	2640	1360	822	644
14	1330	1510	2160	1830	2810	2380	11400	1490	2010	1240	857	674
15	1270	1960	2070	1830	3020	2460	8810	1540	1770	1260	854	710
16	1880	2250	1940	1940	3130	2680	7060	1590	1600	1250	819	706
17	2550	2290	7460	2130	2880	2690	6470	1260	2050	1410	984	649
18	5300	2020	7940	2070	2440	2530	6050	1110	1940	1400	1090	688
19	5640	1810	6380	1960	2330	2400	5490	1150	1630	1260	959	704
20	3360	1690	4730	1840	2300	2530	4600	1140	1410	1240	851	642
21	2500	1580	3720	1730	2520	2900	4420	1090	1580	1180	976	901
22	2050	2040	e3500	1680	2310	4820	4980	1780	1810	1140	893	863
23	1820	1810	e3400	1600	2710	6560	6480	3210	10500	1080	879	678
24	1820	1810	e3200	1630	3310	6100	10500	2960	13600	1110	929	699
25	1550	1880	e2800	1620	3130	5020	11000	2210	14100	1170	923	2470
26	1550	2210	e2600	1560	3970	3830	8520	1940	10200	1430	798	3120
27	1600	5650	e2400	1470	4080	3200	6210	1870	6140	1320	814	2420
28	1620	6010	e2300	1420	3420	2900	5210	1900	3200	1170	825	2150
29	1650	5190	e2300	1370	---	2690	4520	2030	2730	1080	901	2100
30	1590	4220	e2200	1420	---	3490	3140	2390	2340	1050	828	1940
31	1570	---	e2200	2000	---	5680	---	2290	---	1070	862	---
TOTAL	61120	65540	96110	60940	82170	96320	257070	64880	112050	43600	28735	33122
MEAN	1972	2185	3100	1966	2935	3107	8569	2093	3735	1406	927	1104
MAX	5640	6010	7940	2900	5740	6560	20200	3500	14100	2390	1340	3120
MIN	1250	1320	1870	1370	1720	2050	3140	1090	1410	1050	798	642

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001, BY WATER YEAR (WY)

	1900	2798	3115	3070	2947	4771	6076	3350	1914	1479	1190	1404
MEAN	1900	2798	3115	3070	2947	4771	6076	3350	1914	1479	1190	1404
MAX	6529	5873	6673	6825	6759	9558	13160	7879	6306	3771	2912	4361
(WY)	1946	1960	1997	1998	1976	1945	1993	1943	1972	1935	1986	1977
MIN	719	750	1061	820	679	1693	2289	1334	900	685	642	684
(WY)	1965	1931	1931	1931	1931	1940	1995	1995	1999	1934	1934	1939

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

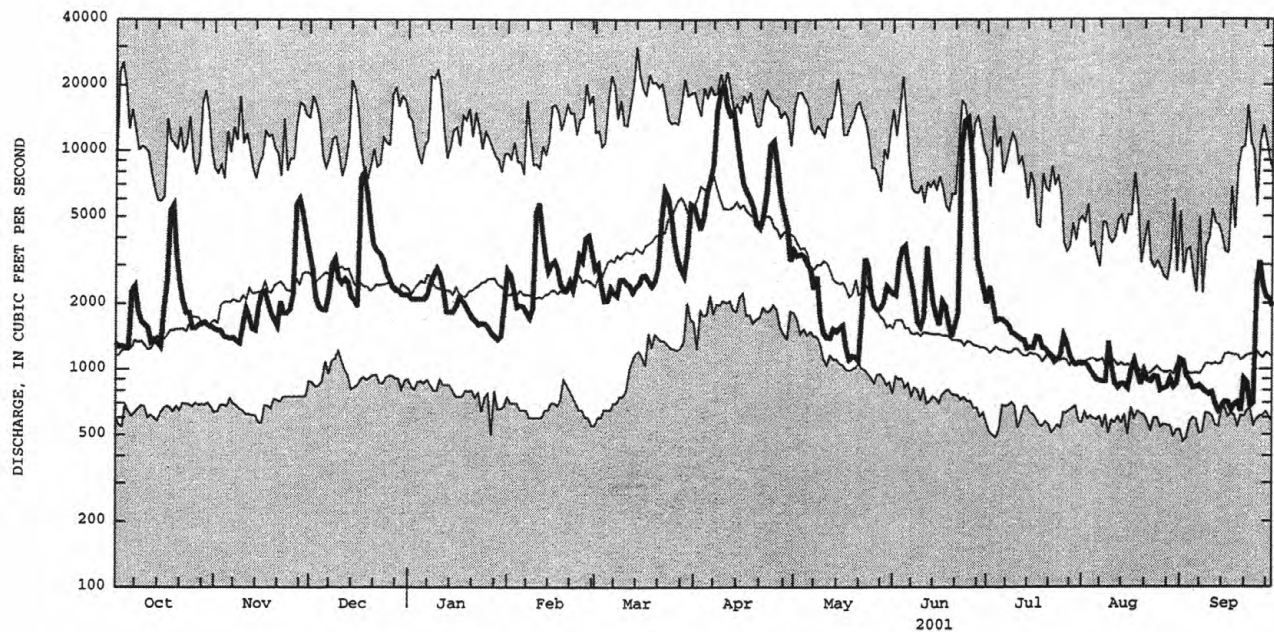
WATER YEARS 1928 - 2001

ANNUAL TOTAL	1280250	1001657	2831
ANNUAL MEAN	3498	2744	4208
HIGHEST ANNUAL MEAN			1976
LOWEST ANNUAL MEAN			1684
HIGHEST DAILY MEAN	21400	May 14	29900
LOWEST DAILY MEAN	1060	Jul 13	463
ANNUAL SEVEN-DAY MINIMUM	1200	Jul 8	529
10 PERCENT EXCEEDS	7220		5930
50 PERCENT EXCEEDS	2510		1940
90 PERCENT EXCEEDS	1400		901

e Estimated

HUDSON RIVER BASIN

01347000 MOHAWK RIVER NEAR LITTLE FALLS, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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

LOCATION.--Lat 42°52'34", long 74°36'12", Montgomery County, Hydrologic Unit 02020004, on right bank 10 ft upstream from bridge on McEwan Road, and 2.3 mi southwest of Canajoharie. Water-quality sampling site at discharge station.
DRAINAGE AREA.--59.7 mi².

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 sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,630 ft³/s, Nov. 9, 1996, gage height, 8.88 ft; minimum, 0.23 ft³/s, Aug. 27, 28, 29, 1995, gage height, 1.26 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1645	*3,470	*8.73	Apr. 13	2000	1,880	6.90
Apr. 8	1230	2,740	7.96				

Minimum discharge not determined.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	16	64	52	e200	50	101	32	23	9.7	3.3	e2.3
2	8.8	16	38	e43	e170	46	116	29	78	11	3.0	e1.5
3	8.6	15	e30	e40	e140	41	200	27	82	8.5	2.7	e1.4
4	8.6	15	e23	e38	e100	e34	376	24	111	8.4	3.2	e1.6
5	9.9	15	e21	e36	e80	35	530	22	56	14	3.7	e1.6
6	178	15	e19	e34	e66	44	526	21	37	15	2.9	e1.4
7	54	14	e18	e33	e60	53	637	19	29	9.6	2.4	e1.3
8	30	14	e16	e32	e56	44	2060	18	24	8.4	2.0	e1.3
9	23	14	e16	e30	e74	42	1650	17	20	8.5	1.9	e1.2
10	20	30	e15	e27	e300	43	1890	16	18	7.2	2.5	e1.3
11	19	46	e15	e25	e200	40	966	15	21	6.9	2.9	e1.4
12	17	30	e30	e24	e120	39	948	15	76	7.5	2.5	e1.2
13	16	24	e29	e22	e90	68	1230	16	29	6.6	e2.0	e1.2
14	15	24	e28	e20	e84	147	795	13	21	6.0	e1.8	e1.6
15	14	44	e27	e18	e80	140	498	12	17	5.9	e1.7	e1.5
16	15	28	e27	e18	e78	179	372	12	15	5.6	e1.7	e1.4
17	21	23	1760	e17	e76	162	270	12	39	7.7	e1.7	e1.3
18	211	21	560	e16	73	119	204	12	25	11	e1.6	e1.2
19	107	20	185	e15	70	96	149	12	17	7.1	e1.5	e1.2
20	51	18	119	e14	65	115	126	10	14	5.6	e1.5	e1.7
21	37	18	e90	e13	e130	158	131	10	13	4.8	e2.0	e2.7
22	30	16	e80	e13	98	228	155	24	18	4.4	e3.0	e1.8
23	26	15	e70	e12	62	303	124	134	16	3.8	e2.3	e1.5
24	24	13	e56	e12	56	258	95	167	26	3.7	e1.8	e1.3
25	23	13	e50	e12	47	207	78	68	17	3.6	e1.4	e4.0
26	21	49	e46	e12	112	127	62	41	13	13	e1.3	e3.0
27	20	148	e43	e12	81	95	54	52	11	14	e1.4	e2.5
28	21	75	e40	e12	64	79	46	59	9.6	6.3	e1.4	e2.0
29	19	56	e35	e12	---	71	37	50	9.0	4.6	e1.4	e1.4
30	18	55	40	e17	---	87	34	34	8.9	4.1	e1.3	e1.3
31	17	---	48	e64	---	112	---	28	---	3.8	e1.3	---
TOTAL	1092.3	900	3638	745	2832	3262	14460	1021	893.5	236.3	65.1	50.1
MEAN	35.2	30.0	117	24.0	101	105	482	32.9	29.8	7.62	2.10	1.67
MAX	211	148	1760	64	300	303	2060	167	111	15	3.7	4.0
MIN	8.6	13	15	12	47	34	34	10	8.9	3.6	1.3	1.2
CFSM	.59	.50	1.97	.40	1.69	1.76	8.07	.55	.50	.13	.04	.03
IN.	.68	.56	2.27	.46	1.76	2.03	9.01	.64	.56	.15	.04	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

MEAN	15.5	57.0	84.3	109	117	185	260	67.5	40.4	15.9	22.4	10.8
MAX	39.5	187	292	260	263	268	486	190	209	42.5	84.6	44.0
(WY)	1996	1997	1997	1998	2000	1994	1993	1996	2000	2000	2000	1999
MIN	2.32	4.66	7.11	20.1	24.2	81.3	57.9	13.4	3.37	3.19	1.36	1.67
(WY)	1998	1999	1999	1994	1995	1996	1995	1999	1999	1995	1995	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

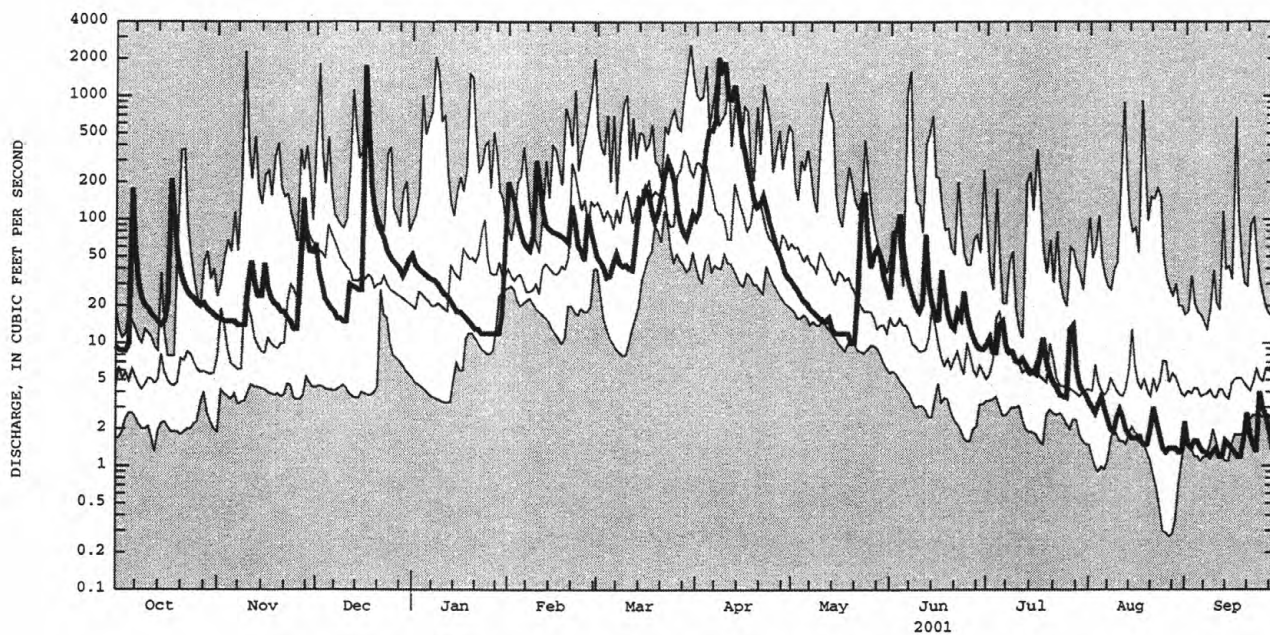
WATER YEARS 1993 - 2001

ANNUAL TOTAL	48355.3	29195.3	
ANNUAL MEAN	132	80.0	80.6
HIGHEST ANNUAL MEAN			122
LOWEST ANNUAL MEAN			38.0
HIGHEST DAILY MEAN	2010	2060	2600
LOWEST DAILY MEAN	8.6	1.2	.27
ANNUAL SEVEN-DAY MINIMUM	9.3	1.3	.37
ANNUAL RUNOFF (CFSM)	2.21	1.34	1.35
ANNUAL RUNOFF (INCHES)	30.13	18.19	18.34
10 PERCENT EXCEEDS	305	147	203
50 PERCENT EXCEEDS	44	21	21
90 PERCENT EXCEEDS	15	1.8	2.9

e Estimated

HUDSON RIVER BASIN

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

CHEMICAL DATA: 1993 (c), 1994-96 (e), 1997 (d), 1998-2000 (e), 2001 (d).

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

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), 1998-2001 (d).

BIOLOGICAL DATA:

Bacteria--1993 (a).

Phytoplankton--1993 (a).

SEDIMENT DATA: 1993 (c), 1994-95 (e), 1996-97 (c), 1998-2001 (d).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: March 1993 to September 2000.

REMARKS.--A sampling method code of 10 indicates an equal-width increment sample, 70 indicates a grab sample. Also published as a Statewide pesticide-monitored site in Volume 3, WDR NY-01.

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 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
OCT													
03...	1045	8.7	10	754	8.2	80	7.9	950	20.0	13.0	420	133	20.4
NOV													
06...	1020	14	10	752	11.2	87	8.0	766	6.0	4.5	380	120	18.5
28...	1010	75	10	750	12.3	88	7.9	413	5.5	1.5	180	56.2	9.20
JAN													
03...	1305	e40	70	--	--	--	7.9	671	-3.0	.0	310	100	14.4
31...	1200	e64	70	738	12.9	87	7.2	683	3.0	.0	250	80.8	11.6
MAR													
08...	1345	55	10	749	13.6	93	7.8	644	10.0	.0	260	85.2	12.2
APR													
02...	1050	106	10	749	13.2	95	7.7	474	4.5	2.0	190	60.8	9.63
30...	1130	34	10	758	11.6	106	8.2	518	20.5	11.0	240	76.8	11.1
MAY													
31...	1100	27	10	749	9.5	90	8.0	583	15.5	12.0	270	89.1	12.5
JUN													
28...	0950	9.7	10	751	5.2	62	7.7	770	25.0	24.0	360	114	17.5
AUG													
02...	1000	2.8	70	754	6.8	82	7.8	885	25.5	25.0	400	124	21.2
SEP													
06...	1000	e1.4	70	756	8.7	95	7.9	1270	16.0	19.0	630	204	30.4
DATE		POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 PERCENT (00932)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AM- MONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT													
03...	2.35	.4	19.5	9	174	28.6	E.2	.5	239	566	.026	.25	.30
NOV													
06...	2.09	.4	17.2	9	175	25.1	E.1	.3	197	520	<.041	.18	.24
28...	3.24	.4	13.0	13	132	20.9	E.1	4.1	48.5	257	<.041	.39	.57
JAN													
03...	1.76	.4	17.2	11	184	28.0	E.1	5.1	115	426	<.041	.21	.18
31...	2.77	1	42.4	27	132	77.0	E.1	4.2	87.4	430	.152	.49	.75
MAR													
08...	1.75	.8	29.9	20	184	56.7	<.2	3.3	88.3	412	<.041	.14	.59
APR													
02...	2.62	.7	22.9	20	138	42.8	E.1	2.9	37.3	292	.051	.35	.49
30...	1.84	.5	17.4	14	144	27.8	E.1	.7	75.2	340	<.041	.13	.18
MAY													
31...	1.79	.5	19.1	13	157	32.9	E.1	2.0	92.0	393	<.040	.25	.33
JUN													
28...	2.31	.6	25.7	13	108	42.7	.2	3.1	170	496	.051	.31	.43
AUG													
02...	3.19	.6	27.7	13	120	46.0	.2	3.6	280	620	<.040	.31	.60
SEP													
06...	3.40	.5	29.6	9	94	43.0	.2	2.4	558	1010	E.024	.27	.62

e Estimated daily
E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (006631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	ACETO- CHLOR ESA FLTRD 0.7 UM (UG/L) (61029)	ACETO- CHLOR OA FLTRD 0.7 UM (UG/L) (61030)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA- CHLOR OA FLTRD 0.7 UM (UG/L) (61031)	ALA- CHLOR, (ESA) WAT FLT GF 0.7 U REC (UG/L) (50009)
OCT 03...	.464	<.010	E.003	<.010	.021	M	12.7	<.002	<.05	<.05	<.004	<.05	<.050
NOV 06...	.581	<.006	E.003	<.018	.009	20	11.7	<.002	<.05	<.05	<.004	<.05	<.050
28...	.444	<.006	.019	E.011	.044	40	9.2	<.002	<.05	<.05	<.020	<.05	.150
JAN 03...	1.20	.009	.007	E.011	.010	<10	13.7	--	--	--	--	--	--
31...	.848	.013	.032	.025	.075	10	21.6	<.002	<.05	<.05	<.005	<.05	<.050
MAR 08...	.876	E.004	.007	<.018	.011	10	9.8	<.002	<.05	<.05	<.004	<.05	<.050
APR 02...	.540	E.005	.018	<.018	.037	40	34.9	<.002	<.05	<.05	<.004	<.05	<.050
30...	.482	E.005	E.003	<.018	.009	10	18.9	<.002	<.05	<.05	<.004	<.05	<.050
MAY 31...	.818	.007	.008	<.020	.018	10	11.6	<.002	<.05	<.05	<.004	<.05	.050
JUN 28...	.212	.014	.007	.028	.037	10	62.3	<.002	<.05	<.05	<.004	<.05	<.050
AUG 02...	E.046	.007	.008	<.020	.045	M	101	<.002	<.05	<.05	<.004	<.05	<.050
SEP 06...	<.050	<.006	.007	<.020	.052	M	93.4	<.002	--	--	<.004	--	--
DATE	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
OCT 03...	<.002	<.005	.027	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.019	<.005	<.005
NOV 06...	<.002	<.005	.021	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.020	<.005	<.005
28...	<.002	<.005	.037	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.029	<.005	<.005
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	<.002	<.005	.021	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.015	<.005	<.005
MAR 08...	<.002	<.005	.015	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.013	<.005	<.005
APR 02...	<.002	<.005	.032	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.014	<.005	<.005
30...	<.002	<.005	.012	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.012	<.005	<.005
MAY 31...	<.002	<.005	.455	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.044	<.005	<.005
JUN 28...	<.002	<.005	.389	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.038	<.005	<.005
AUG 02...	<.002	<.005	.104	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.028	<.005	<.005
SEP 06...	<.002	<.005	.032	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.020	<.005	<.005
DATE	DIMETH- ENAMID OXA, WATER FLT, REC (UG/L) (62482)	DIMETH- ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUFEN- ACET, ESA, WAT FLT (UG/L) (61952)	FLUFE- NACET OXA WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)
OCT 03...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
NOV 06...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
28...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
MAR 08...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
APR 02...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
30...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
MAY 31...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
JUN 28...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
AUG 02...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
SEP 06...	--	--	<.021	<.002	<.009	<.005	--	--	<.003	<.004	<.035	<.027	<.050

E Estimated

M Presence verified, not quantified

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	METHYL- PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA- CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA- CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
OCT 03...	<.006	.76	.11	E.011	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
NOV 06...	<.006	.59	.13	E.009	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
28...	<.006	.70	.31	.014	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	<.006	.26	.07	E.007	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
MAR 08...	<.006	.29	.08	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
APR 02...	<.006	.26	.10	E.011	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
30...	<.006	.29	.06	E.012	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
MAY 31...	<.006	.51	.17	.124	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
JUN 28...	<.006	.44	.11	.223	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
AUG 02...	<.006	.27	<.05	.036	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
SEP 06...	<.006	--	--	.014	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011

DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 03...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	98
NOV 06...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	78
28...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	98
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	98
31...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	98
MAR 08...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	99
APR 02...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	99
30...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	94
MAY 31...	<.015	<.004	<.010	<.011	<.023	E.008	<.016	<.034	<.017	<.005	<.002	<.009	76
JUN 28...	<.015	<.004	<.010	<.011	<.023	.177	<.016	<.034	<.017	<.005	<.002	<.009	76
AUG 02...	<.015	<.004	<.010	<.011	<.023	.054	<.016	<.034	<.017	<.005	<.002	<.009	98
SEP 06...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	99

DATE	SEDI- MENT, SUS- PENDE (MG/L) (80154)
OCT 03...	10
NOV 06...	3
28...	43
JAN 03...	59
31...	83
MAR 08...	26
APR 02...	54
30...	5
MAY 31...	19
JUN 28...	31
AUG 02...	17
SEP 06...	28

HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--September 1999 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,940 ft above sea level, 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 ft³/s, Sept. 16, 1999, gage height, 4.08 ft, from crest-stage gage, from rating curve extended above 50 ft³/s on basis of runoff comparison of peak flows from nearby stations; minimum discharge, 0.01 ft³/s, Sept. 8, 9, 10, 13, 18, 19, 20, 2001; minimum gage height, 0.78 ft, Sept. 9, 10, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	unknown	a*447	b*4.05	May 23	1445	64	2.38
Apr. 12	1545	67	2.40				

a From rating curve extended as explained above.

b From crest-stage gage.

Minimum discharge, 0.01 ft³/s, Sept. 8, 9, 10, 13, 18, 19, 20; minimum gage height, 0.78 ft, Sept. 9, 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.73	.91	1.8	.68	.71	.66	2.4	2.4	2.3	.97	.05	.07
2	.69	.85	1.6	.64	.58	.61	1.9	2.6	12	.85	.05	.04
3	.65	.81	1.5	.61	.51	.57	1.7	2.6	13	.67	.05	.03
4	.66	.77	1.4	.56	.46	.53	1.7	2.5	7.9	.59	.10	.03
5	.87	.75	1.3	.55	.44	.53	1.8	2.4	4.5	.53	.09	.04
6	3.5	.71	1.2	.53	.42	.52	2.6	2.1	3.3	.45	.05	.03
7	2.6	.66	1.1	.50	.40	.48	5.5	1.9	2.5	.40	.04	.02
8	2.1	.66	1.1	.47	.40	.46	7.1	1.6	2.0	.39	.04	.02
9	1.9	.63	1.0	.46	.57	.46	32	1.4	1.5	.35	.03	.01
10	1.9	2.5	.95	.44	2.2	.44	31	1.2	1.1	.31	.03	.03
11	1.7	4.5	.91	.42	1.6	.43	23	.99	1.0	.27	.03	.07
12	1.6	3.7	1.1	.40	1.2	.42	50	.87	.93	.24	.36	.03
13	1.4	2.8	.92	.38	.97	.92	52	.77	.75	.22	.17	.02
14	1.3	5.3	.92	.37	.98	1.2	22	.67	.63	.20	.17	.18
15	1.3	7.1	.89	.37	1.4	.90	15	.63	.54	.18	.17	.06
16	1.5	4.1	1.4	.35	1.1	.89	13	.57	.47	.17	.11	.03
17	1.6	3.1	e100	.34	1.0	.87	9.1	.53	17	.17	.10	.02
18	6.1	2.4	20	.33	.86	.80	7.0	.53	5.2	.16	.08	.02
19	6.4	2.0	7.1	.32	.77	.73	5.2	.48	2.9	.14	.07	.02
20	3.9	1.8	4.2	.31	.75	.76	5.1	.44	2.8	.12	.09	.38
21	3.1	1.6	e3.0	.31	.74	.80	11	.40	3.2	.11	.09	1.4
22	2.4	1.4	e2.3	.29	.64	3.0	29	6.5	2.4	.10	.05	.40
23	2.1	1.2	e1.9	.29	.62	2.4	21	45	3.7	.09	.05	.24
24	1.7	1.2	e1.4	.29	.56	1.7	18	23	6.7	.07	.05	.18
25	1.5	1.1	e1.2	.27	.66	1.4	10	8.5	3.8	.07	.04	17
26	1.4	3.0	e1.0	.26	1.1	1.2	5.8	6.5	2.8	.19	.04	4.5
27	1.3	3.7	e.94	.26	.83	1.1	4.2	12	2.1	.11	.04	e2.5
28	1.2	2.7	e.84	.25	.72	.96	3.6	8.1	1.5	.08	.04	e1.7
29	1.2	2.2	.79	.24	---	.90	3.1	5.2	1.1	.07	.04	1.4
30	1.1	2.0	.75	.62	---	3.8	2.7	3.7	.93	.07	.03	1.1
31	.97	---	.72	.93	---	3.6	---	2.8	---	.06	.03	---
TOTAL	60.37	66.15	165.23	13.04	23.19	34.04	397.5	148.88	110.55	8.40	2.38	31.57
MEAN	1.95	2.21	5.33	.42	.83	1.10	13.2	4.80	3.69	.27	.077	1.05
MAX	6.4	7.1	100	.93	2.2	3.8	52	45	17	.97	.36	17
MIN	.65	.63	.72	.24	.40	.42	1.7	.40	.47	.06	.03	.01
CFSM	1.74	1.97	4.76	.38	.74	.98	11.8	4.29	3.29	.24	.07	.94
IN.	2.01	2.20	5.49	.43	.77	1.13	13.20	4.94	3.67	.28	.08	1.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	MEAN	2.26	3.49	3.84	.84	2.01	3.72	9.31	5.30	4.78	1.69	1.07	1.80
MAX	2.58	4.78	5.33	1.26	3.16	6.34	13.2	5.80	5.88	3.11	2.07	2.55	
(WY)	2000	2000	2001	2000	2000	2000	2001	2000	2000	2000	2000	2000	
MIN	1.95	2.20	2.36	.42	.83	1.10	5.38	4.80	3.68	.27	.077	1.05	
(WY)	2001	2001	2000	2001	2001	2001	2000	2001	2001	2001	2001	2001	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

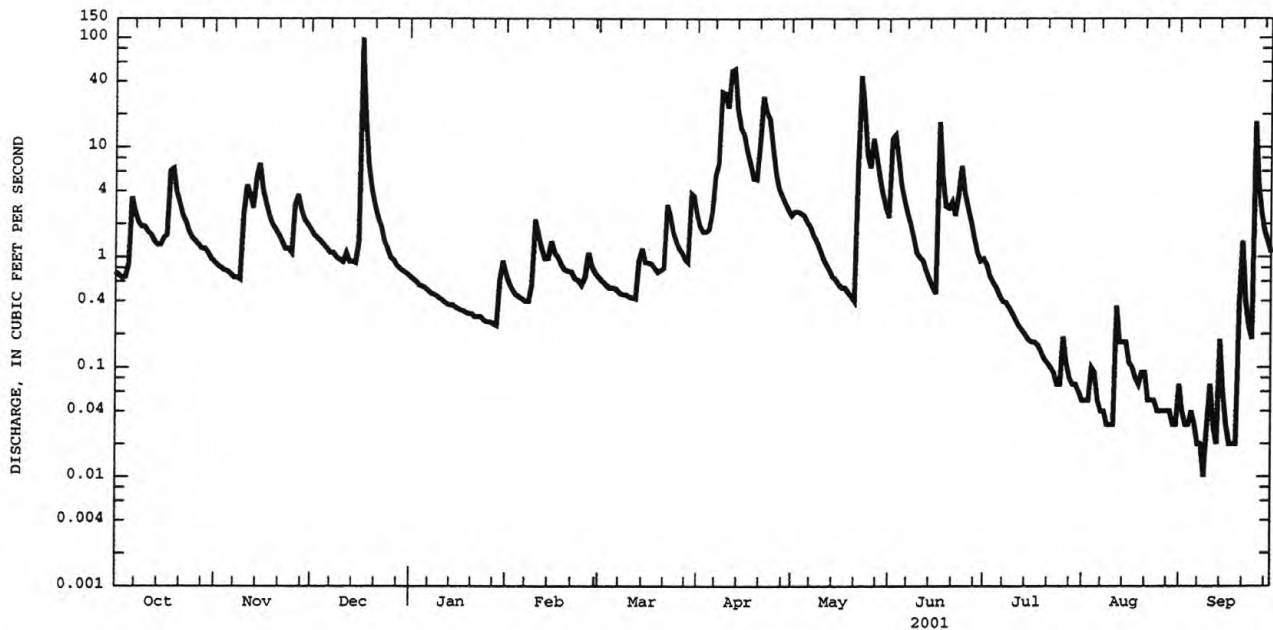
FOR 2001 WATER YEAR

WATER YEARS 1999 - 2001

ANNUAL TOTAL	1373.52	1061.30	
ANNUAL MEAN	3.75	2.91	
HIGHEST ANNUAL MEAN			3.34
LOWEST ANNUAL MEAN			3.77
HIGHEST DAILY MEAN	100	100	124
LOWEST DAILY MEAN	.31	.01	.01
ANNUAL SEVEN-DAY MINIMUM	.38	.03	.03
ANNUAL RUNOFF (CFSM)	3.35	2.60	2.98
ANNUAL RUNOFF (INCHES)	45.62	35.25	40.48
10 PERCENT EXCEEDS	7.4	5.6	7.1
50 PERCENT EXCEEDS	1.8	.89	1.5
90 PERCENT EXCEEDS	.66	.07	.26

e Estimated

01349541 SUGARLOAF BROOK SOUTH OF TANNERSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--Occasional 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 sea level. Prior to December 1996, crest-stage gage at same site at datum 1456.76 ft above sea level.

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 ft³/s, Jan. 19, 1996, gage height, 17.00 ft, present datum, from floodmark, from rating curve extended above 1,000 ft³/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 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1430	a*5,790	*11.79	No other peak greater than base discharge.			

a From rating curve extended as explained above.

Minimum discharge, 2.7 ft³/s, Aug. 30, 31, gage height, 4.11 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	12	32	e36	e30	46	62	49	33	27	4.5	6.8
2	5.6	11	25	e34	e27	42	57	45	55	23	4.3	6.2
3	5.5	11	21	e32	e25	39	54	41	74	19	5.0	4.7
4	5.8	11	19	e31	e24	38	59	37	65	17	8.4	4.7
5	7.3	10	25	e29	e23	41	78	34	49	16	8.0	4.7
6	24	10	20	e28	e23	54	100	31	40	14	5.8	4.1
7	19	10	19	e27	e22	48	149	29	33	12	4.8	3.7
8	13	9.7	18	e26	e24	41	258	26	28	12	4.3	3.5
9	11	9.6	e17	e25	e36	35	529	25	24	11	4.0	3.3
10	10	11	e16	e24	e120	35	756	23	21	10	4.3	3.7
11	9.4	25	e16	e23	e90	e34	537	21	20	9.9	4.3	4.2
12	8.9	31	e15	e23	e72	35	835	21	24	9.0	8.2	3.9
13	8.7	25	e15	e22	e66	41	1040	20	19	8.3	7.8	3.6
14	8.3	23	e15	e22	e64	59	589	17	16	7.9	6.0	6.5
15	7.8	35	e16	e21	e76	50	411	16	14	7.5	5.0	6.3
16	8.1	31	e18	e21	e66	50	326	14	12	7.2	4.5	5.1
17	9.0	27	1720	e20	e58	49	245	14	107	7.3	4.5	4.4
18	23	25	568	e20	e56	47	192	13	62	6.9	4.6	3.9
19	37	23	221	e20	e54	47	152	14	36	5.2	4.1	3.5
20	25	21	149	e19	e52	51	137	12	41	5.5	4.7	4.1
21	21	20	107	e19	e54	56	172	11	87	5.3	4.6	8.6
22	19	19	93	e19	e50	84	281	15	53	5.1	3.9	7.6
23	18	16	75	e19	e47	90	247	64	46	4.8	3.7	5.7
24	17	14	e68	e18	e45	73	173	109	89	4.4	3.6	5.1
25	16	15	e60	e18	e44	66	126	65	57	4.4	3.4	57
26	16	26	e54	e18	e46	e56	98	49	42	11	3.2	27
27	15	56	e50	e17	e46	e54	81	67	34	9.7	3.2	16
28	14	44	e46	e17	48	52	70	70	28	6.6	3.1	13
29	14	36	e44	e21	---	49	60	61	24	5.8	3.1	12
30	13	34	e40	e28	---	58	54	48	25	5.3	2.9	11
31	12	---	e38	e37	---	75	---	39	---	4.9	2.9	---
TOTAL	427.2	651.3	3640	734	1388	1595	7928	1100	1258	303.0	144.7	253.9
MEAN	13.8	21.7	117	23.7	49.6	51.5	264	35.5	41.9	9.77	4.67	8.46
MAX	37	56	1720	37	120	90	1040	109	107	27	8.4	57
MIN	5.5	9.6	15	17	22	34	54	11	12	4.4	2.9	3.3
CFSM	.39	.61	3.30	.67	1.39	1.45	7.42	1.00	1.18	.27	.13	.24
IN.	.45	.68	3.80	.77	1.45	1.67	8.28	1.15	1.31	.32	.15	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001
MEAN	21.7	73.2	56.5	92.0	70.1
MAX	56.3	158	117	181	111
(WY)	2000	1998	2001	1998	2000
MIN	7.35	9.60	12.0	23.7	49.6
(WY)	1998	1999	1999	2001	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

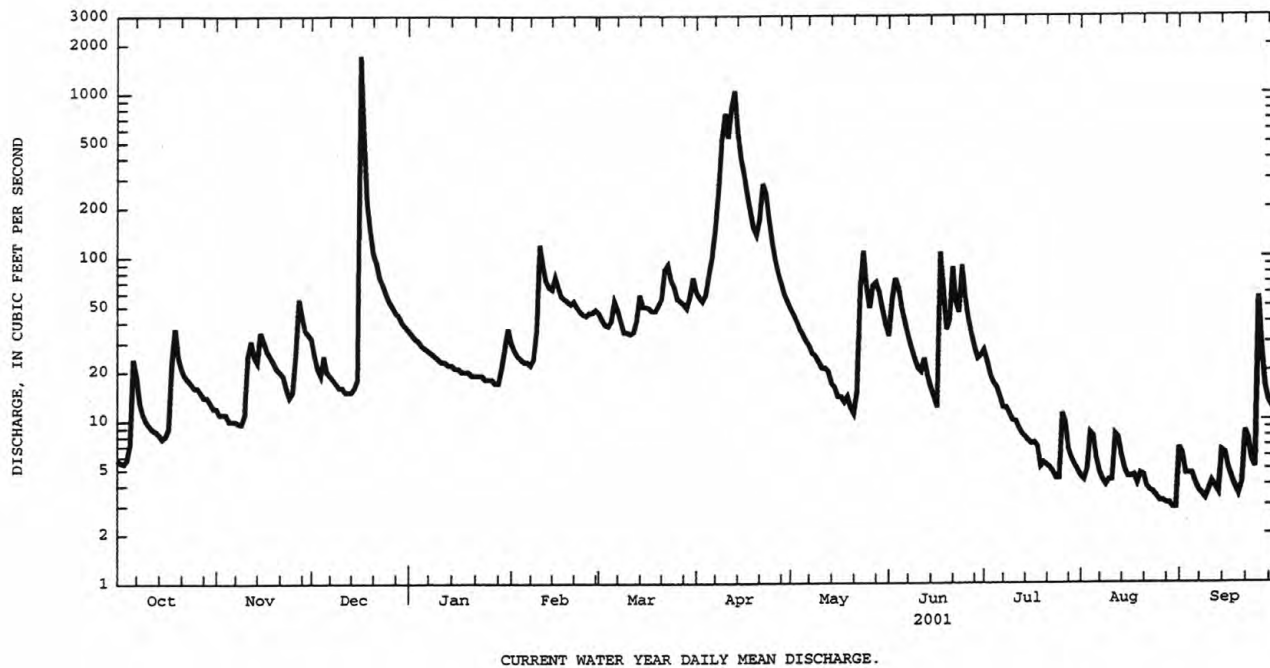
FOR 2001 WATER YEAR

WATER YEARS 1997 - 2001

ANNUAL TOTAL	29137.0	19423.1	75.9	
ANNUAL MEAN	79.6	53.2	102	1998
HIGHEST ANNUAL MEAN			53.2	2001
LOWEST ANNUAL MEAN			2010	May 10 1998
HIGHEST DAILY MEAN	1720	Dec 17		Aug 11 1997
LOWEST DAILY MEAN	5.5	Oct 3	.91	Aug 6 1997
ANNUAL SEVEN-DAY MINIMUM	5.9	Sep 28	1.0	
ANNUAL RUNOFF (CFSM)	2.24		2.13	
ANNUAL RUNOFF (INCHES)	30.45		28.95	
10 PERCENT EXCEEDS	164		143	
50 PERCENT EXCEEDS	32		31	
90 PERCENT EXCEEDS	9.2		3.7	

e Estimated

01349700 EAST KILL NEAR JEWETT CENTER, NY--Continued



HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--August 1999 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,340 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,000 ft³/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 ft³/s on basis of runoff comparison of peak flows from nearby stations and step-backwater analysis of peak flow; minimum discharge, 7.4 ft³/s, Sept. 6, 1999, Aug. 31, 2001; minimum gage height, 1.62 ft, Sept. 6, 1999.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	unknown	ab*14,000	c*12.04	Apr. 12	2030	4,130	6.06
Apr. 9	2300	3,550	5.71				

a From rating curve extended as explained above.

b About.

c From crest-stage gage.

Minimum discharge, 7.4 ft³/s, Aug. 31, gage height, 1.86 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	37	e100	e100	e100	e110	223	153	e110	92	16	26
2	22	35	78	e96	e90	e100	190	144	239	77	15	18
3	21	34	77	e92	e82	99	174	142	317	64	16	13
4	22	33	68	e88	77	e92	188	127	267	58	21	13
5	25	32	e78	e84	e74	85	241	118	192	55	22	13
6	101	31	e66	e80	e70	95	302	109	152	49	18	11
7	78	31	e64	e78	e68	108	456	100	126	45	16	9.8
8	52	30	e58	e74	e68	96	857	92	108	45	14	8.9
9	43	29	e58	e72	e120	90	1970	86	92	44	16	8.4
10	39	42	e54	e70	e400	89	2640	80	80	40	11	10
11	37	107	e54	e66	e300	e92	1810	74	78	41	13	16
12	34	114	e50	e64	e240	e92	2750	70	84	36	21	12
13	32	85	e47	e62	e200	114	3520	65	69	32	29	10
14	31	85	e50	e60	e190	195	2040	59	59	31	22	22
15	29	171	e58	e60	e240	140	1270	54	53	29	21	22
16	29	123	e70	e58	e210	142	964	51	48	28	20	16
17	32	104	e4000	e58	e170	139	692	50	539	26	19	13
18	78	84	e1600	e56	e150	129	532	50	233	26	19	12
19	150	76	e700	e54	e140	141	423	48	e130	23	16	11
20	97	63	e400	e52	e140	152	369	44	e150	22	16	13
21	80	59	e270	e52	e150	157	446	42	e300	20	16	61
22	70	50	e220	e50	e140	308	850	57	e180	19	14	41
23	62	46	e180	e50	e120	317	781	560	151	19	13	27
24	58	e44	e150	e50	e110	222	592	540	322	17	12	22
25	56	e42	e140	e49	134	e180	416	249	199	16	11	401
26	51	100	e130	e49	180	e150	302	183	145	38	10	193
27	49	239	e125	e48	137	e120	248	273	118	35	9.4	110
28	46	171	e120	e48	123	e110	216	262	98	24	9.6	86
29	42	141	e115	e48	---	e110	188	216	84	21	9.5	75
30	40	e110	e110	e60	---	e180	167	e160	81	19	8.6	62
31	39	---	e105	e110	---	325	---	e130	---	17	8.8	---
TOTAL	1568	2348	9395	2038	4223	4479	25817	4388	4804	1108	482.9	1356.1
MEAN	50.6	78.3	303	65.7	151	144	861	142	160	35.7	15.6	45.2
MAX	150	239	4000	110	400	325	3520	560	539	92	29	401
MIN	21	29	47	48	68	85	167	42	48	16	8.6	8.4
CFSM	.52	.81	3.13	.68	1.56	1.49	8.89	1.46	1.65	.37	.16	.47
IN.	.60	.90	3.61	.78	1.62	1.72	9.92	1.69	1.85	.43	.19	.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	115	207	232	83.9	250	328	628	213	360	95.7	52.6	203
MAX	180	336	303	102	345	512	861	285	560	156	89.6	508
(WY)	2000	2000	2001	2000	2000	2000	2001	2000	2000	2000	2000	1999
MIN	50.6	78.3	160	65.7	151	144	396	142	160	35.7	15.6	45.2
(WY)	2001	2001	2000	2001	2001	2001	2000	2001	2001	2001	2001	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

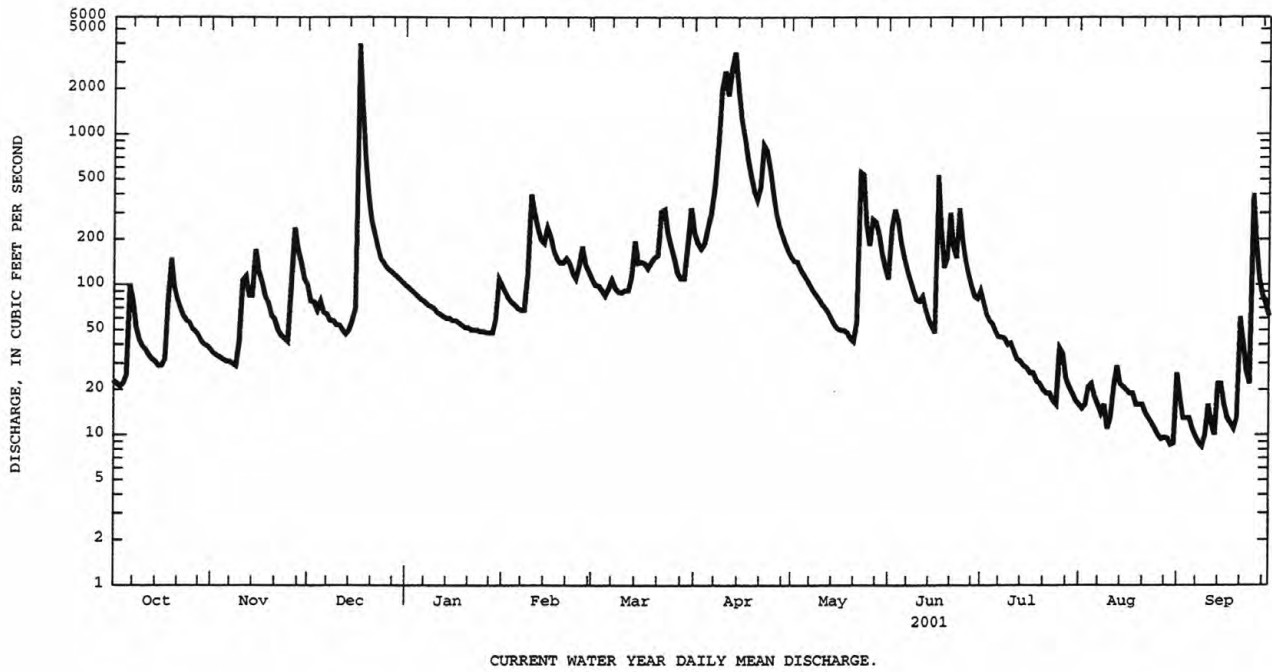
FOR 2001 WATER YEAR

WATER YEARS 1999 - 2001

ANNUAL TOTAL	89133	62007.0	217
ANNUAL MEAN	244	170	263
HIGHEST ANNUAL MEAN			170
LOWEST ANNUAL MEAN			2000
HIGHEST DAILY MEAN	4640	Jun 7	4000
LOWEST DAILY MEAN	21	Oct 3	8.4
ANNUAL SEVEN-DAY MINIMUM	23	Sep 29	9.6
ANNUAL RUNOFF (CFSM)	2.52		1.75
ANNUAL RUNOFF (INCHES)	34.25		23.83
10 PERCENT EXCEEDS	456		300
50 PERCENT EXCEEDS	108		76
90 PERCENT EXCEEDS	34		16

e Estimated

01349705 SCHOHARIE CREEK NEAR LEXINGTON, NY--Continued



HUDSON RIVER BASIN

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 mi².

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

GAGE.---Water-stage recorder and crest-stage gage. Elevation of gage is 2,070 ft above sea level, from topographic map.

REMARKS.---Records good except those above 60 ft³/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 ft³/s, Sept. 16, 1999, gage height, 4.32 ft, from rating curve extended above 300 ft³/s; minimum discharge, 0.45 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1330	*535	*3.03	Apr. 22	1815	182	2.26
Apr. 13	1730	247	2.45	Sept. 25	0600	243	2.44

Minimum discharge, 0.49 ft³/s, Sept. 9, 10, gage height, 0.57 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	4.5	6.6	7.2	4.2	5.4	4.4	20	10	5.7	1.1	1.8
2	3.5	4.4	6.2	6.8	4.1	5.4	4.2	23	19	4.9	1.0	.78
3	3.4	4.3	6.0	6.6	3.9	5.2	4.1	23	22	4.5	1.0	.65
4	3.4	4.2	5.9	6.4	3.9	5.0	4.2	21	22	4.2	1.7	.73
5	3.7	4.0	5.8	6.2	4.0	4.9	4.5	18	19	4.0	1.4	.68
6	6.0	3.9	5.4	6.0	4.0	4.8	5.2	15	16	3.6	1.1	.58
7	4.7	3.8	e5.0	5.8	3.9	4.7	7.9	13	14	3.3	.99	.55
8	4.7	3.7	e4.7	5.7	3.9	4.5	14	11	11	3.3	.93	.53
9	4.7	3.7	e4.5	5.5	4.7	4.5	38	9.1	8.9	3.1	.86	.52
10	4.6	4.5	e4.5	5.3	7.7	4.3	80	8.0	7.5	2.9	.89	1.1
11	4.5	6.0	4.6	5.1	e7.0	4.3	73	7.3	7.4	2.8	.86	.87
12	4.4	6.6	e4.5	5.0	e6.8	4.1	146	6.7	6.4	2.5	1.8	.63
13	4.3	6.9	4.2	4.8	e6.6	4.9	229	6.2	5.5	2.4	1.2	.60
14	4.2	8.6	e4.1	4.8	e7.2	4.7	137	5.9	5.0	2.3	.93	1.8
15	4.1	10	4.1	4.8	8.7	4.4	90	5.5	4.5	2.2	.87	.97
16	4.2	11	4.7	4.7	7.9	4.4	70	5.1	4.3	2.1	.79	.76
17	4.1	10	202	4.6	7.5	4.3	55	4.9	21	2.1	1.2	.67
18	7.5	9.2	117	4.5	7.1	4.2	42	4.7	15	2.0	.94	.60
19	9.2	8.4	56	4.5	6.9	4.0	35	4.6	11	1.8	.82	.57
20	10	7.8	36	4.4	6.9	4.2	33	4.4	9.5	1.7	.94	1.6
21	9.4	7.2	26	4.3	6.6	4.3	40	4.2	7.9	1.6	.83	3.6
22	8.4	6.6	21	4.2	6.0	5.2	116	5.1	7.0	1.5	.74	1.9
23	7.6	6.1	e15	4.2	5.9	4.5	127	8.3	9.2	1.4	.70	1.6
24	7.1	5.7	e14	4.2	5.6	4.3	121	14	10	1.3	.70	1.8
25	6.6	5.4	12	4.1	5.8	4.2	74	12	10	1.2	.64	82
26	6.2	7.3	e10	4.0	6.1	4.1	44	11	9.8	3.0	.59	27
27	5.9	7.1	e9.4	4.0	5.6	4.0	34	14	8.6	1.7	.60	15
28	5.6	6.8	e8.6	3.9	5.4	4.0	29	17	7.4	1.4	.59	11
29	5.2	6.9	e8.2	3.9	---	3.9	24	17	6.5	1.3	.58	9.3
30	5.0	7.0	8.1	4.6	---	5.8	21	15	6.0	1.2	.56	8.1
31	4.7	---	7.9	4.6	---	4.7	---	13	---	1.2	.74	---
TOTAL	170.5	191.6	632.0	154.7	163.9	141.2	1706.5	347.0	321.4	78.2	28.59	178.29
MEAN	5.50	6.39	20.4	4.99	5.85	4.55	56.9	11.2	10.7	2.52	.92	5.94
MAX	10	11	202	7.2	8.7	5.8	229	23	22	5.7	1.8	82
MIN	3.4	3.7	4.1	3.9	3.9	3.9	4.1	4.2	4.3	1.2	.56	.52
CFSM	1.11	1.29	4.10	1.00	1.18	.92	11.4	2.25	2.16	.51	.19	1.20
IN.	1.28	1.43	4.73	1.16	1.23	1.06	12.77	2.60	2.41	.59	.21	1.33

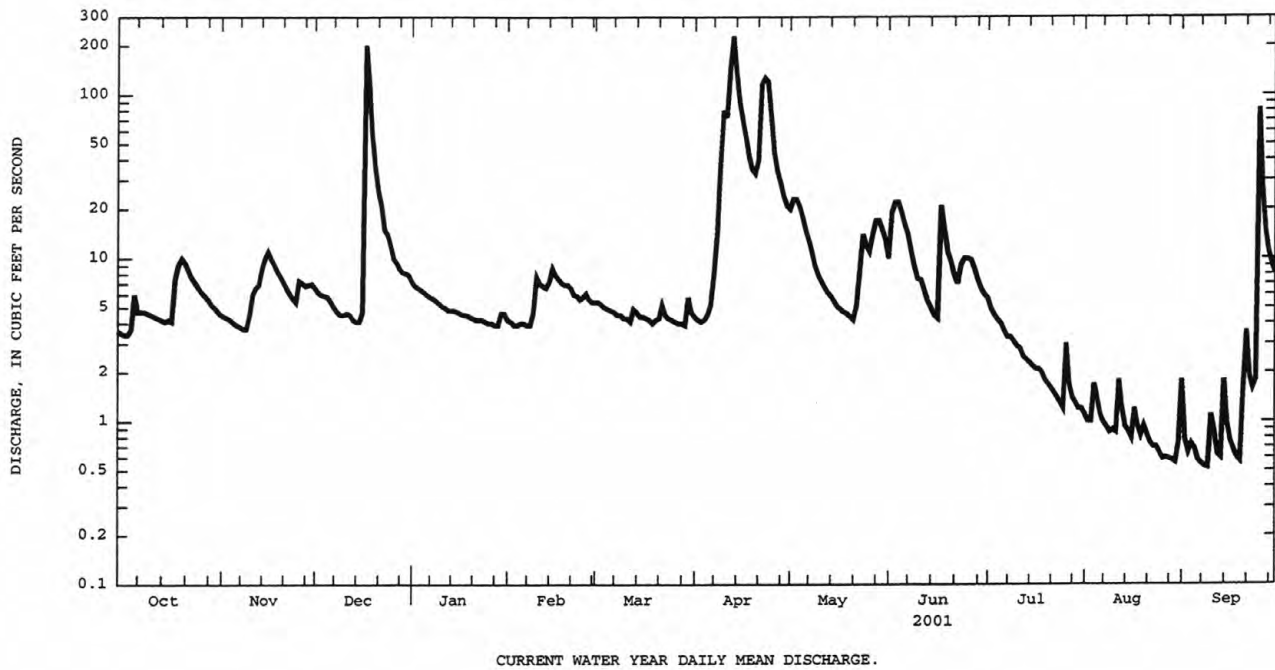
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	7.03	12.7	10.2	16.2	9.79	21.3	31.0	20.8	18.4	6.79	2.73	11.8
MEAN	7.03	12.7	10.2	16.2	9.79	21.3	31.0	20.8	18.4	6.79	2.73	11.8
MAX	12.0	20.2	20.4	28.3	14.8	29.1	56.9	37.6	29.7	10.2	7.95	34.4
(WY)	2000	1998	2001	1998	1999	2000	2001	1998	1998	2000	1999	1999
MIN	3.60	4.79	4.45	4.99	5.75	4.55	17.4	11.2	4.36	2.52	.88	.60
(WY)	1998	1999	1999	2001	1998	2001	1999	2001	1999	2001	1999	1998

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1998 - 2001	
ANNUAL TOTAL	5322.1		4113.88			
ANNUAL MEAN	14.5		11.3		14.0	
HIGHEST ANNUAL MEAN					16.4	
LOWEST ANNUAL MEAN					11.3	
HIGHEST DAILY MEAN	202		229		360	
LOWEST DAILY MEAN	2.9		.52		.45	
ANNUAL SEVEN-DAY MINIMUM	3.1		.61		.46	
ANNUAL RUNOFF (CFSM)	2.93		2.27		2.83	
ANNUAL RUNOFF (INCHES)	39.84		30.79		38.39	
10 PERCENT EXCEEDS	30		20		28	
50 PERCENT EXCEEDS	7.7		4.9		7.3	
90 PERCENT EXCEEDS	3.9		.96		1.3	

e Estimated

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



HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--Occasional 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 sea level, 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, 6,330 ft³/s, Sept. 16, 1999, gage height, 10.86 ft, from rating curve extended above 1,380 ft³/s on basis of contracted-opening measurements at gage heights 10.86 ft and 11.06 ft; minimum discharge, 1.6 ft³/s, Aug. 29, 30, 31, 2001, gage height, 0.85 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 6,500 ft³/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 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1315	*2,610	*6.13	Apr. 12	1915	1,040	3.79
Apr. 9	2215	815	3.41	Sept. 25	0700	592	2.99

Minimum discharge, 1.6 ft³/s, Aug. 29, 30, 31, gage height, 0.85 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	19	30	e43	20	e36	42	63	32	21	3.0	4.7
2	9.0	18	28	e40	17	e30	38	63	57	17	2.8	3.8
3	8.5	17	e27	e36	e16	28	36	61	68	15	3.0	2.9
4	8.8	16	e27	e32	e15	e27	40	56	66	13	3.5	2.7
5	11	16	e27	e28	16	e26	53	51	59	12	4.3	2.8
6	32	15	e26	e25	15	e27	71	45	51	11	3.6	2.4
7	21	14	e26	e22	14	e28	105	40	44	9.9	3.1	2.1
8	19	14	e25	e20	e14	e24	186	36	38	9.4	2.8	2.0
9	18	13	e24	e19	23	e21	460	32	33	9.8	2.6	1.8
10	18	16	e22	e18	87	20	662	29	28	8.7	2.7	1.9
11	17	25	21	e18	e72	e20	534	26	28	7.8	2.7	2.7
12	16	26	24	e17	e66	e23	768	25	26	7.1	3.2	2.5
13	15	26	e21	e16	60	28	940	22	21	6.5	4.0	2.3
14	15	32	20	e15	67	39	575	20	18	6.2	3.4	4.5
15	14	39	20	15	92	29	378	18	16	5.9	2.9	4.8
16	15	37	19	15	67	29	290	17	15	5.5	2.6	3.6
17	15	36	932	14	60	28	226	16	114	5.5	2.8	3.0
18	37	34	510	e13	e58	26	179	15	66	5.2	3.2	2.6
19	44	32	248	13	e54	e26	147	14	50	4.8	2.9	2.3
20	42	30	167	13	e50	e27	128	13	42	4.5	2.9	2.6
21	40	29	125	e13	50	33	139	12	40	4.0	3.2	12
22	36	27	101	e12	e47	49	305	15	34	3.7	2.8	8.4
23	34	25	e100	e12	e41	41	319	26	33	3.5	2.5	5.9
24	31	22	e96	e11	e39	35	283	40	44	3.2	2.3	5.0
25	29	22	e90	11	37	e31	191	36	36	3.0	2.2	205
26	27	32	e70	e10	49	e29	132	33	32	9.7	2.0	83
27	26	35	e54	10	42	e28	106	41	28	7.2	2.0	48
28	24	31	e47	10	e40	e26	90	48	24	4.9	1.9	35
29	22	31	e46	e10	---	26	78	48	21	4.0	1.8	31
30	21	32	e45	13	---	51	69	43	19	3.6	1.7	24
31	20	---	e44	24	---	51	---	37	---	3.3	1.7	---
TOTAL	694.7	761	3062	568	1228	942	7570	1041	1183	235.9	86.1	515.3
MEAN	22.4	25.4	98.8	18.3	43.9	30.4	252	33.6	39.4	7.61	2.78	17.2
MAX	44	39	932	43	92	51	940	63	114	21	4.3	205
MIN	8.5	13	19	10	14	20	36	12	15	3.0	1.7	1.8
CFSM	.83	.94	3.66	.68	1.62	1.13	9.35	1.24	1.46	.28	.10	.64
IN.	.96	1.05	4.22	.78	1.69	1.30	10.43	1.43	1.63	.33	.12	.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	MEAN	26.4	53.1	51.3	80.7	55.8	110	143	81.3	77.8	32.6	8.93	45.1
MAX	55.1	89.4	98.8	139	80.2	161	252	155	129	49.1	24.5	144	
(WY)	2000	2000	2001	1999	2000	1998	2001	1998	2000	1998	2000	1999	
MIN	8.46	17.7	17.2	18.3	43.9	30.4	91.2	33.6	14.3	7.61	2.78	2.41	
(WY)	1998	1999	1999	2001	1998	2001	1999	2001	1999	2001	2001	1998	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

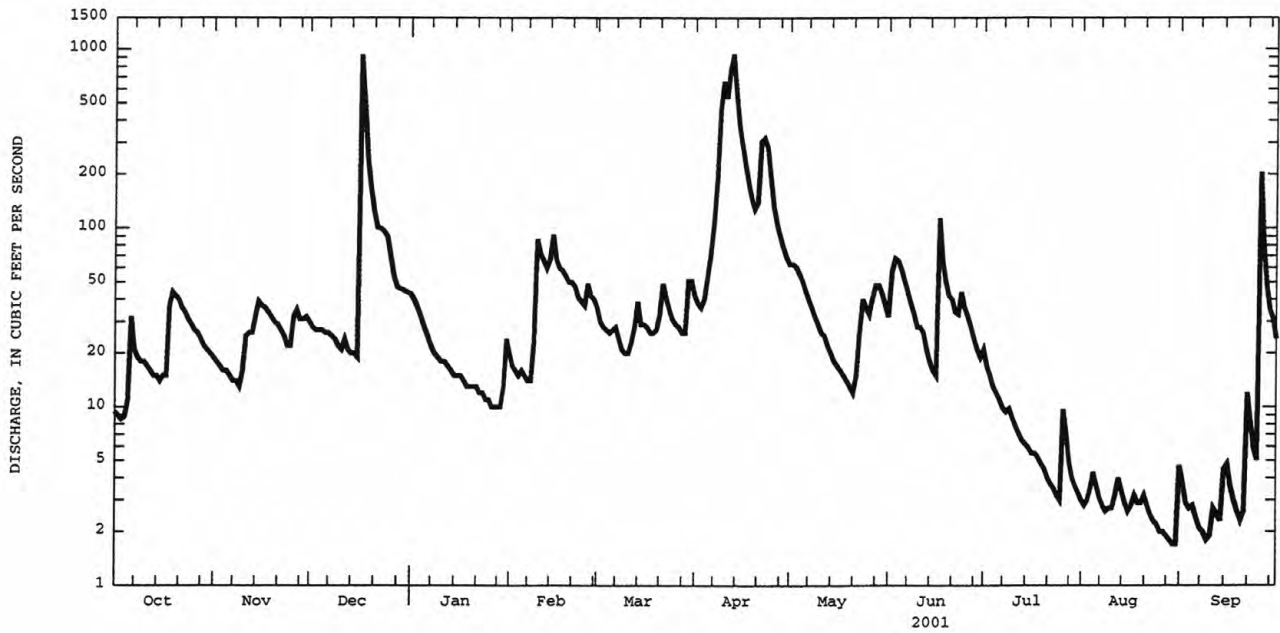
FOR 2001 WATER YEAR

WATER YEARS 1998 - 2001

ANNUAL TOTAL	24042.4	17887.0	
ANNUAL MEAN	65.7	49.0	
HIGHEST ANNUAL MEAN			63.7
LOWEST ANNUAL MEAN			76.6
HIGHEST DAILY MEAN	932	Dec 17	1450
LOWEST DAILY MEAN	7.9	Sep 11	1.7
ANNUAL SEVEN-DAY MINIMUM	9.5	Sep 6	1.9
ANNUAL RUNOFF (CFSM)	2.43		1.82
ANNUAL RUNOFF (INCHES)	33.13		24.64
10 PERCENT EXCEEDS	134		80
50 PERCENT EXCEEDS	33		24
90 PERCENT EXCEEDS	14		3.0

e Estimated

01349810 WEST KILL NEAR WEST KILL, NY--Continued



HUDSON RIVER BASIN

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 mi².

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,160 ft above sea level, from topographic map.

REMARKS.--Records good except those above 150 ft³/s and those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 800 ft³/s, Sept. 16, 1999, gage height, 6.12 ft, from rating curve extended above 80 ft³/s on basis of step-backwater analysis of peak flow; minimum recorded discharge, 0.24 ft³/s, Sept. 6, 1998; minimum gage height, 1.05 ft, Aug. 31, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 600 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1245	a*512	*5.29	Apr. 22	1600	98	3.31
Apr. 13	1815	119	3.48				

a From rating curve extended as explained above.

Minimum discharge, 0.25 ft³/s, Sept. 18, 19, 20; minimum gage height, 1.05 ft, Aug. 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.98	1.4	2.2	3.0	1.4	2.1	1.6	6.5	6.4	3.1	.64	.94
2	.91	1.3	2.1	2.8	1.4	2.0	1.6	6.1	7.6	2.8	.62	.53
3	.88	1.3	e2.0	2.6	1.3	1.9	1.6	5.9	7.1	2.6	.81	.50
4	1.0	1.2	2.1	2.5	1.3	1.9	1.7	5.5	6.3	2.4	.90	.55
5	1.2	1.2	2.0	2.4	1.3	1.9	1.8	5.1	5.6	2.3	.70	.49
6	2.0	1.1	1.8	2.3	1.3	1.8	2.2	4.6	5.0	2.1	.64	.46
7	1.5	1.1	1.8	2.2	1.2	1.7	3.2	4.2	4.6	1.9	.61	.44
8	1.4	1.1	1.8	2.1	1.2	1.7	4.9	3.9	4.1	1.9	.58	.42
9	1.4	1.1	1.7	2.0	1.2	1.7	18	3.6	3.7	1.7	.55	.41
10	1.4	1.2	1.6	1.9	3.5	1.6	33	3.3	3.4	1.6	.57	.51
11	1.4	1.5	1.6	1.8	e3.0	1.6	29	3.1	3.5	1.5	.54	.46
12	1.3	1.4	e1.5	1.7	e3.0	1.5	71	2.9	3.0	1.4	1.3	.42
13	1.3	1.4	e1.4	1.7	e2.5	1.9	99	2.7	2.7	1.3	.71	.43
14	1.3	1.8	e1.4	1.6	e2.6	1.9	50	2.5	2.5	1.3	.62	.88
15	1.2	1.9	1.4	1.6	e2.8	1.8	34	2.4	2.3	1.2	.59	.45
16	1.2	1.9	1.7	1.6	e2.6	1.7	28	2.3	2.1	1.1	.56	.37
17	1.2	2.0	107	1.5	e2.5	1.7	22	2.2	6.6	e1.1	.62	.31
18	2.5	1.9	44	1.4	e2.4	1.6	18	2.1	3.8	e1.1	.56	.27
19	2.8	1.9	22	1.4	e2.3	e1.5	15	2.0	3.3	e1.0	.53	.26
20	2.8	1.9	15	1.4	e2.3	e1.4	14	1.8	4.3	.93	.59	.43
21	2.7	1.8	11	1.3	e2.2	e1.6	22	1.7	4.4	.88	.53	.53
22	2.5	1.7	e9.0	1.3	e2.1	2.4	62	4.0	4.0	.82	.51	.36
23	2.3	1.6	e7.4	1.3	e2.0	1.9	45	11	4.8	.78	.49	.34
24	2.2	1.6	6.5	1.2	e2.0	1.8	36	19	5.4	.74	.48	.34
25	2.1	1.6	e5.4	1.2	e2.0	1.7	24	13	4.8	.70	.45	2.6
26	2.0	2.6	e5.0	1.1	e2.1	1.7	16	12	4.4	1.7	.44	1.5
27	1.8	2.5	4.6	1.1	e2.1	1.7	12	13	4.1	.87	.44	1.2
28	1.7	2.3	4.1	1.1	e2.0	1.6	9.9	11	3.7	.79	.43	1.6
29	1.6	2.3	3.7	1.1	---	1.6	8.4	9.8	3.6	.75	.42	1.8
30	1.5	e2.1	3.5	1.5	---	2.6	7.4	8.5	3.3	.70	.41	1.6
31	1.5	---	3.3	1.5	---	1.7	---	7.4	---	.67	.59	---
TOTAL	51.57	49.7	279.6	53.2	58.1	55.2	692.3	183.1	130.4	43.73	18.43	21.40
MEAN	1.66	1.66	9.02	1.72	2.08	1.78	23.1	5.91	4.35	1.41	.59	.71
MAX	2.8	2.6	107	3.0	3.5	2.6	99	19	7.6	3.1	1.3	2.6
MIN	.88	1.1	1.4	1.1	1.2	1.4	1.6	1.7	2.1	.67	.41	.26
CFSM	.82	.82	4.44	.85	1.02	.88	11.4	2.91	2.14	.69	.29	.35
IN.	.95	.91	5.12	.97	1.06	1.01	12.69	3.36	2.39	.80	.34	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	2.12	6.37	4.35	6.92	3.36	9.43	13.1	9.99	7.93	2.33	1.72	4.71
MAX	4.34	14.3	9.02	11.8	5.03	13.3	23.1	19.4	14.1	4.45	5.36	16.0
(WY)	2000	1998	2001	1998	2000	2000	2001	1998	2000	2000	2000	1999
MIN	1.07	1.13	1.14	1.72	2.06	1.78	8.80	5.91	1.73	.92	.44	.34
(WY)	1998	1999	1999	2001	1998	2001	1999	2001	1999	1999	1999	1998

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

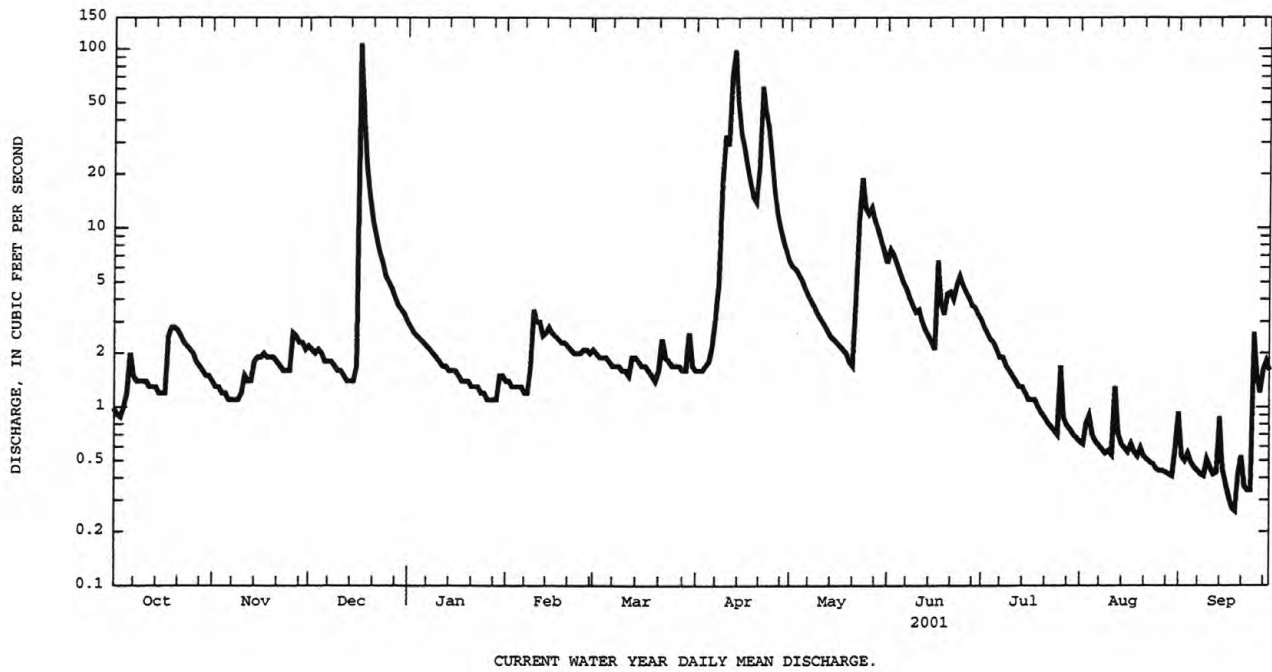
FOR 2001 WATER YEAR

WATER YEARS 1998 - 2001

ANNUAL TOTAL	2392.77	1636.73	
ANNUAL MEAN	6.54	4.48	
HIGHEST ANNUAL MEAN			6.03
LOWEST ANNUAL MEAN			7.39
HIGHEST DAILY MEAN			4.48
LOWEST DAILY MEAN			
ANNUAL SEVEN-DAY MINIMUM	107	107	207
ANNUAL RUNOFF (CFSM)	.88	.26	.26
ANNUAL RUNOFF (INCHES)	1.0	.36	.30
10 PERCENT EXCEEDS	3.22	2.21	2.97
50 PERCENT EXCEEDS	43.85	29.99	40.34
90 PERCENT EXCEEDS	13	7.5	13
	3.3	1.8	2.6
	1.4	.56	.60

e Estimated

01349840 BATAVIA KILL NEAR MAPLECREST, NY--Continued



HUDSON RIVER BASIN

01349900 BATAVIA KILL NEAR ASHLAND, NY

LOCATION.--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.

DRAINAGE AREA.--51.2 mi².

PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1955-61, 1964, 1987. August 1991 to September 2001 (discontinued).

REVISED RECORDS.--WDR NY-93-1: 1992, WDR NY-97-1: 1987 (M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,440 ft above sea level, from topographic map.

REMARKS.--Records poor. Flow regulated to some extent at high flows by three flood-retardation reservoirs, combined drainage area of 19.2 mi². Seasonal diversion for snowmaking by Ski Windham ski area at Windham.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft³/s, Sept. 16, 1999, gage height, 15.6 ft, from floodmark, from rating curve extended above 2,200 ft³/s on basis of contracted-opening and flow-over-road measurement of peak flow at gage height 14.82 ft, and by runoff comparison of peak discharge from step-backwater analysis at site 6.6 mi downstream; minimum instantaneous discharge not determined; minimum gage height, 4.22 ft, Aug. 31, Sept. 1, 1993.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 11,500 ft³/s, Apr. 4, 1987, gage height, 14.82 ft, from floodmarks, from rating curve extended above 2,200 ft³/s on basis of contracted-opening and flow-over-road measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, about 2,500 ft³/s, Dec. 17, gage height, about 10.7 ft, from reconstructed graph, from runoff comparison of peak discharge at site 6.6 mi downstream; minimum recorded discharge, 2.9 ft³/s, Sept. 8, 9, 10, 13, 17, 18, 19, 20, but may have been less during period of estimated record, Aug. 24-30; minimum gage height, 4.82 ft, Oct. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	15	21	e58	e50	e62	61	81	31	17	e5.0	5.3
2	8.2	14	17	e54	e45	59	56	74	45	17	e5.6	4.4
3	8.0	14	14	e50	e41	51	53	67	60	15	e7.2	4.3
4	8.0	14	13	e49	e39	51	56	62	61	14	e9.2	4.2
5	9.7	14	14	e47	e37	47	75	56	47	14	e12	4.3
6	30	14	e13	e44	e36	49	104	50	39	13	e8.0	3.8
7	27	13	e12	e43	e35	51	162	45	33	12	e7.0	3.4
8	21	13	11	e41	e37	e40	289	40	29	e11	e6.0	3.3
9	17	13	11	e40	e40	49	640	37	26	e11	e6.0	3.0
10	15	13	10	e38	169	44	e1100	34	25	e11	e6.4	3.4
11	14	17	e10	e37	160	e43	754	31	22	e10	e7.4	4.0
12	13	20	e9.6	e36	130	e42	969	29	23	e9.6	e11	3.4
13	12	18	e9.4	e35	99	46	e1500	27	21	e9.0	e15	3.0
14	11	18	e9.2	e34	86	61	1080	25	19	e8.8	e9.8	5.0
15	11	24	e10	e34	115	59	734	23	17	e8.6	e7.0	4.4
16	11	22	15	e33	e90	56	571	22	16	e8.4	e6.4	3.7
17	12	20	e1000	e32	e82	56	459	21	71	e8.2	e6.0	3.4
18	27	18	815	e31	e76	55	376	20	50	e7.6	e5.6	3.0
19	57	15	380	e31	e74	53	300	19	30	e7.0	e5.2	3.0
20	43	14	221	e31	e72	54	252	18	24	e6.2	e5.0	3.3
21	34	14	168	e30	e72	64	273	18	32	e5.6	e4.8	4.8
22	29	13	143	e30	e70	73	415	18	27	e5.0	e4.6	4.0
23	25	12	121	e30	63	85	434	33	23	e4.6	e4.3	3.7
24	22	10	105	e29	e60	77	330	43	36	e4.2	e4.0	3.4
25	20	11	e100	e28	57	71	247	44	32	e4.0	e3.9	25
26	19	15	e90	e28	e60	66	185	37	26	e14	e3.7	14
27	18	26	e80	e27	e62	e64	148	44	22	e12	e3.5	10
28	17	27	e74	e27	63	e60	124	51	20	e8.0	e3.4	8.7
29	17	25	e70	e30	---	58	105	51	18	e7.0	e3.4	8.3
30	17	24	e64	e35	---	58	91	42	18	e6.0	e3.4	7.7
31	16	---	e60	e56	---	64	---	36	---	e5.4	3.8	---
TOTAL	597.6	500	3690.2	1148	2020	1768	11943	1198	943	294.2	193.6	165.2
MEAN	19.3	16.7	119	37.0	72.1	57.0	398	38.6	31.4	9.49	6.25	5.51
MAX	57	27	1000	58	169	85	1500	81	71	17	15	25
MIN	8.0	10	9.2	27	35	40	53	18	16	4.0	3.4	3.0

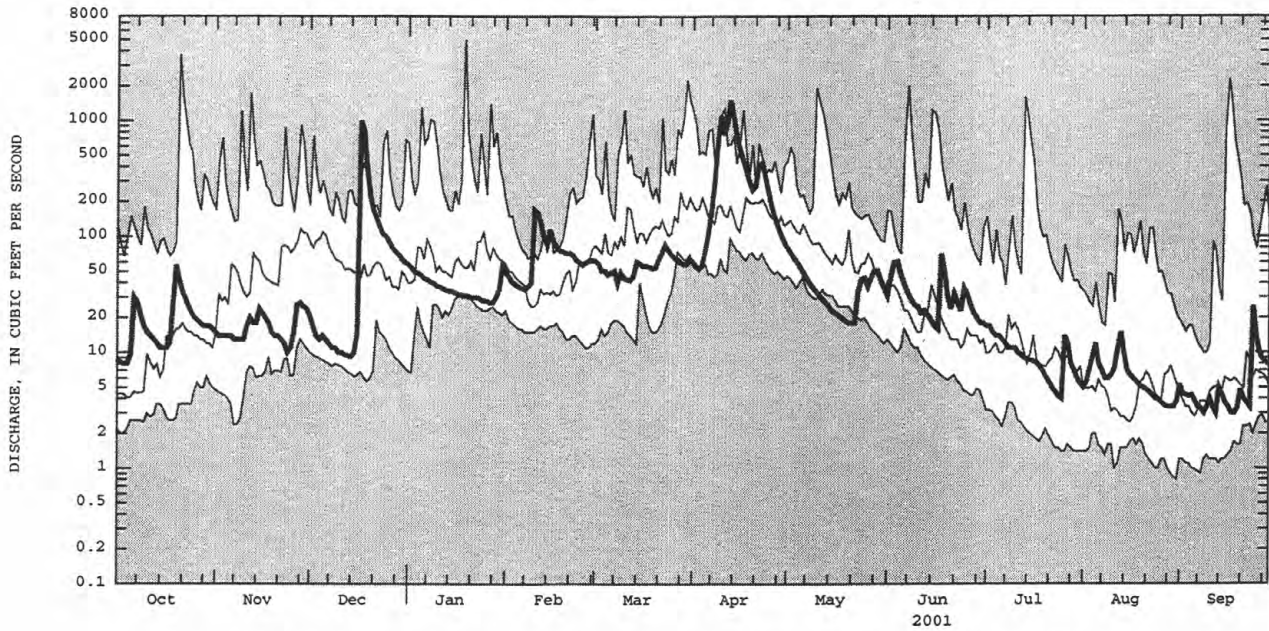
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

	MEAN	64.4	96.5	92.6	132	64.6	156	238	108	69.5	30.7	11.5	38.0
MAX	306	243	216	355	126	263	483	308	232	170	39.8	214	
(WY)	1997	1996	1997	1996	2000	1998	1993	1998	2000	1996	2000	1999	
MIN	4.43	6.62	8.83	37.0	23.2	57.0	64.5	29.4	8.34	2.44	1.80	2.19	
(WY)	1994	1999	1999	2001	1993	2001	1995	1995	1993	1993	1993	1995	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1991 - 2001	
ANNUAL TOTAL	37676.1		24460.8			
ANNUAL MEAN	103		67.0		92.1	
HIGHEST ANNUAL MEAN					147	
LOWEST ANNUAL MEAN					53.3	
HIGHEST DAILY MEAN	2000		1500		5000	
LOWEST DAILY MEAN	7.7		3.0		.80	
ANNUAL SEVEN-DAY MINIMUM	8.3		3.4		.99	
10 PERCENT EXCEEDS	229		102		196	
50 PERCENT EXCEEDS	38		26		36	
90 PERCENT EXCEEDS	12		4.9		3.5	

e Estimated

01349900 BATAVIA KILL NEAR ASHLAND, 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.

HUDSON RIVER BASIN

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 mi².

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,260 ft above sea level, 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 mi². 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 ft³/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 ft³/s on basis of step-backwater analysis of peak flow; minimum discharge, 1.8 ft³/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 ft³/s, on basis of step-backwater analysis of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,400 ft³/s, Dec. 17, gage height, 5.56 ft, outside gage height, 5.88 ft, from crest-stage gage; minimum discharge, 3.3 ft³/s, Aug. 31, Sept. 9, 10, 11, 19, 20, gage height, 1.56 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	22	34	e64	e110	e64	83	115	49	28	6.0	5.1
2	11	21	28	e62	e100	e62	78	105	81	26	5.6	5.2
3	9.9	21	e25	e58	e90	e60	75	98	96	23	6.2	4.9
4	10	20	23	e56	e80	e56	86	91	92	21	9.9	5.1
5	12	20	28	e54	e74	e54	121	84	74	19	12	5.1
6	43	20	26	e50	e70	73	165	75	61	18	9.5	4.8
7	38	19	27	e49	e66	81	260	68	53	15	7.7	4.2
8	26	19	27	e48	e64	68	476	63	47	15	6.7	3.8
9	21	18	26	e46	e80	e62	1020	59	41	14	6.1	3.5
10	19	20	25	e45	e300	e60	1470	55	42	13	6.4	3.6
11	18	26	e24	e43	e200	59	1070	51	37	13	6.4	3.6
12	16	31	e23	e42	e150	58	1490	48	42	12	13	3.9
13	15	28	e22	e41	e130	68	1980	47	34	11	17	3.9
14	15	29	e22	e40	e120	92	1480	42	29	9.8	11	5.4
15	14	37	e22	e39	e220	78	930	39	25	8.6	8.6	5.7
16	13	34	e23	e38	e170	80	692	36	28	7.8	7.3	4.8
17	16	32	1320	e37	e130	82	521	33	129	7.7	6.8	4.1
18	39	28	1090	e36	e120	76	416	32	79	7.7	6.1	3.8
19	74	25	465	e36	e110	72	336	32	48	7.0	5.9	3.6
20	51	22	273	e35	e100	80	295	29	45	6.5	5.9	4.0
21	42	22	201	e34	e90	98	329	27	62	6.1	5.8	5.7
22	36	21	176	e34	86	119	477	33	48	5.6	5.4	5.5
23	33	20	139	e33	85	125	450	60	45	5.2	4.9	4.8
24	31	17	125	e33	e82	105	347	72	65	4.9	4.9	4.5
25	30	18	104	e33	e80	97	266	69	55	4.6	4.9	35
26	28	26	e94	e33	e78	90	213	60	43	16	4.3	25
27	26	39	e88	e32	e74	83	181	73	37	13	4.1	14
28	26	40	e82	e32	e70	82	158	82	33	9.4	3.9	12
29	23	38	e76	e32	---	78	137	79	30	7.9	3.9	12
30	23	38	e72	e60	---	85	124	65	30	6.8	4.0	11
31	22	---	e68	e140	---	94	---	56	---	6.2	4.2	---
TOTAL	791.9	771	4778	1415	3129	2441	15726	1878	1580	368.8	214.4	217.6
MEAN	25.5	25.7	154	45.6	112	78.7	524	60.6	52.7	11.9	6.92	7.25
MAX	74	40	1320	140	300	125	1980	115	129	28	17	35
MIN	9.9	17	22	32	64	54	75	27	25	4.6	3.9	3.5

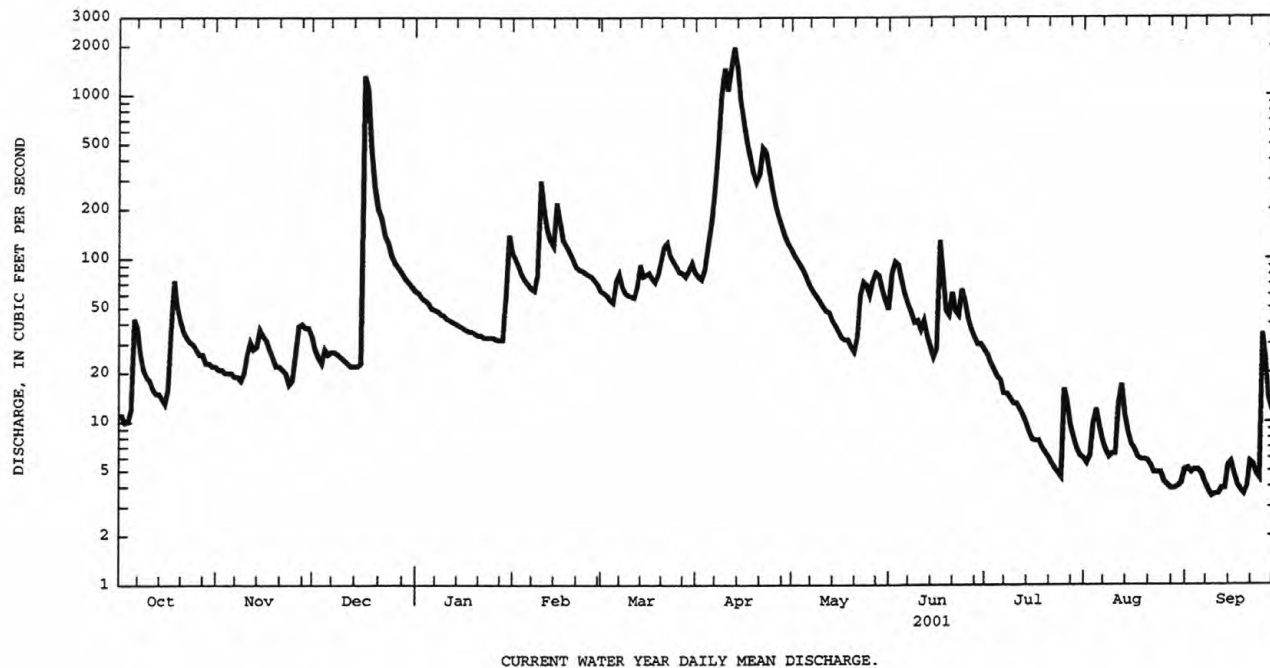
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	1998	1999	2000	2001
MEAN	35.4	88.7	86.4	162
MAX	98.9	178	154	296
(WY)	2000	1998	2001	1998
MIN	6.56	6.92	11.3	45.6
(WY)	1998	1999	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1998 - 2001
ANNUAL TOTAL	51620.9	33310.7	
ANNUAL MEAN	141	91.3	128
HIGHEST ANNUAL MEAN			171
LOWEST ANNUAL MEAN			91.3
HIGHEST DAILY MEAN	2590	1980	4290
LOWEST DAILY MEAN	9.9	3.5	1.9
ANNUAL SEVEN-DAY MINIMUM	11	3.8	2.6
10 PERCENT EXCEEDS	301	138	258
50 PERCENT EXCEEDS	62	36	63
90 PERCENT EXCEEDS	19	5.6	5.7

e Estimated

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



HUDSON RIVER BASIN

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 mi².

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. Datum of gage is 1,131.57 ft above sea level. 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. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,800 ft³/s, Jan. 19, 1996, gage height, 19.39 ft, from rating curve extended above 17,800 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1600	*23,600	*13.58	Apr. 12	2045	7,410	8.40
Apr. 9	2345	6,510	7.95				

Minimum discharge, 15 ft³/s, Aug. 31, Sept. 10, gage height, 1.66 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	91	175	e300	e220	e310	424	395	218	145	29	29
2	52	87	158	e280	e190	e300	369	366	405	131	26	34
3	50	82	e150	e260	e180	e290	340	348	555	108	27	26
4	51	81	e130	e240	e170	e280	375	324	523	97	43	24
5	57	78	e160	e230	e170	e310	512	290	384	93	45	24
6	181	77	e150	e220	e170	e350	694	265	309	85	38	22
7	171	74	e130	e210	e170	e370	1060	238	258	77	32	19
8	118	72	e120	e200	e190	e320	1920	218	221	75	28	17
9	98	69	e130	e190	e300	e280	3800	203	190	75	25	16
10	90	76	e110	e180	e800	e250	5140	190	173	68	30	16
11	86	142	e130	e175	e680	e250	3720	176	161	66	25	21
12	80	189	e120	e175	e560	e270	5060	166	173	62	41	22
13	75	152	e100	e170	e500	e340	6590	159	147	56	56	19
14	72	149	e110	e165	e460	e420	4340	143	127	52	46	28
15	69	261	e120	e160	e500	e390	2850	133	112	49	37	38
16	69	213	e140	e155	e460	e340	2240	123	103	47	36	30
17	75	187	8070	e150	e410	318	1750	117	782	45	33	24
18	166	165	4090	e150	e390	287	1420	115	466	44	32	21
19	317	150	1820	e150	e380	e250	1160	112	260	40	30	19
20	225	133	1200	e145	e370	e280	1000	104	203	36	29	20
21	190	128	876	e145	e380	e320	1090	97	442	34	30	59
22	170	115	774	e140	e370	535	1730	109	275	31	26	70
23	154	e110	e700	e140	e340	628	1790	552	234	29	23	46
24	143	e110	e640	e140	e320	460	1450	768	471	28	23	36
25	135	e120	e580	e130	e320	402	1090	423	326	25	21	563
26	127	144	e520	e130	e320	e340	809	308	238	72	19	348
27	118	319	e460	e120	e320	e310	666	418	194	76	18	179
28	112	241	e430	e120	e320	e300	571	460	164	48	18	134
29	104	204	e380	e150	---	285	491	406	142	39	18	121
30	100	196	e350	e200	---	361	435	315	134	34	17	101
31	95	---	e320	e240	---	571	---	260	---	31	17	---
TOTAL	3604	4215	23343	5560	9960	10717	54886	8301	8390	1898	918	2126
MEAN	116	140	753	179	356	346	1830	268	280	61.2	29.6	70.9
MAX	317	319	8070	300	800	628	6590	768	782	145	56	563
MIN	50	69	100	120	170	250	340	97	103	25	17	16
CFSM	.49	.59	3.18	.76	1.50	1.46	7.72	1.13	1.18	.26	.12	.30
IN.	.57	.66	3.66	.87	1.56	1.68	8.62	1.30	1.32	.30	.14	.33

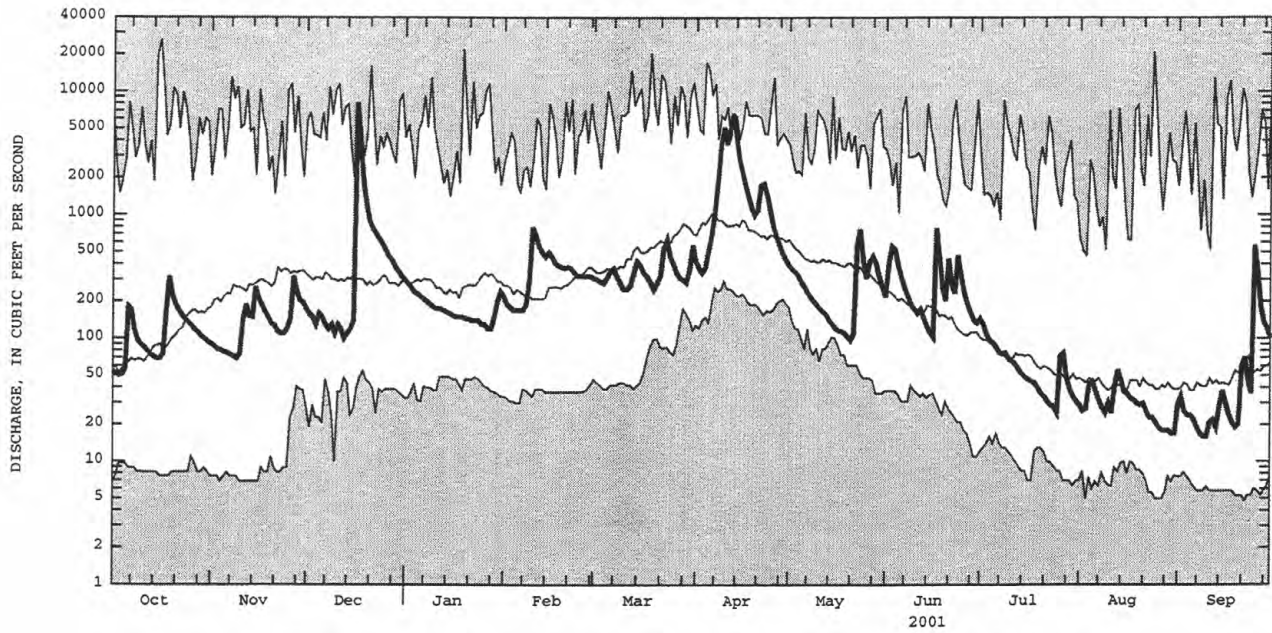
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2001, BY WATER YEAR (WY)

	MEAN	299	486	524	478	453	869	1107	591	299	159	120	179
MAX	2496	1526	1723	2210	1711	2805	3023	1738	1230	981	1190	1153	
(WY)	1956	1928	1974	1978	1981	1936	1958	1989	1972	1935	1955	1960	
MIN	8.50	17.7	72.5	49.2	39.0	247	264	84.2	37.9	11.1	10.6	6.15	
(WY)	1965	1965	1923	1931	1931	1937	1946	1905	1964	1965	1964	1964	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1903 - 2001
ANNUAL TOTAL	212237	133918	
ANNUAL MEAN	580	367	465
HIGHEST ANNUAL MEAN			873
LOWEST ANNUAL MEAN			202
HIGHEST DAILY MEAN	9070	Jun 7	26200
LOWEST DAILY MEAN	50	Oct 3	4.8
ANNUAL SEVEN-DAY MINIMUM	53	Sep 29	5.3
ANNUAL RUNOFF (CFSM)	2.45	1.55	1.96
ANNUAL RUNOFF (INCHES)	33.31	21.02	26.66
10 PERCENT EXCEEDS	1310	575	1040
50 PERCENT EXCEEDS	240	165	220
90 PERCENT EXCEEDS	78	29	31

e Estimated

01350000 SCHOHARIE CREEK AT PRATTSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--September 1999 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,760 ft above sea level, 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, 165 ft³/s, Sept. 16, 1999, gage height, 2.70 ft, from rating curve extended above 30 ft³/s; maximum gage height, 3.05 ft, Feb. 14, 2000 (ice jam); minimum, no flow for many days during September 1999, August and September 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 25 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 12	1230	ice jam	*2.52	No other peak greater than base discharge.			
Apr. 13	1400	*47	2.25				

Minimum, no flow part or all or each day, Aug. 16-17, 20, 22-31, Sept. 2-20, 23-25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.21	.63	1.2	e.72	e1.2	e1.6	1.3	2.5	e1.1	.82	.08	.13
2	.21	.59	e1.1	e.66	e1.1	1.8	1.2	2.2	e2.2	.66	.07	.02
3	.19	.56	e1.1	e.60	e1.0	e1.6	1.3	2.0	e1.8	.56	.08	.00
4	.25	.54	e1.1	e.56	e1.0	e1.6	1.5	1.8	e1.4	.53	.12	.05
5	.33	.51	e.76	e.50	e1.0	1.6	1.9	1.6	e1.1	.48	.08	.05
6	1.2	.47	e.76	e.47	e.96	1.5	3.3	1.5	e.90	.41	.07	.00
7	.40	.45	e.76	e.45	e.96	1.4	4.5	1.4	e.80	.35	.06	.00
8	.34	.42	e.76	e.43	e.96	1.3	11	1.3	e.70	.36	.05	.00
9	.36	.42	e.74	e.41	e3.5	1.3	e17	1.2	e.80	.33	.04	.00
10	.42	.80	e.74	e.39	7.6	1.2	e19	1.1	e.90	.27	.06	.00
11	.46	.82	e.74	e.37	e6.4	1.2	15	1.1	e1.0	.29	.06	.00
12	.50	.63	e1.0	e.35	e5.4	1.1	e18	1.0	e.70	.24	.05	.00
13	.51	.56	e1.2	e.33	e5.0	2.1	37	.91	e.60	.22	.05	.00
14	.51	1.5	e.90	e.32	4.9	1.9	21	.84	e.50	.21	.04	.09
15	.51	1.3	.84	e.30	e4.4	1.5	13	.78	e1.8	.19	.03	.03
16	.65	1.2	e.90	e.29	3.7	1.5	11	.76	e3.0	.18	.02	.00
17	.63	e1.1	e1.8	e.28	e3.0	1.5	9.0	.72	e1.6	.19	.05	.00
18	2.3	e1.0	16	e.27	e2.8	1.4	8.0	.70	e.75	.18	.04	.00
19	1.2	e1.0	10	e.26	e2.6	1.4	7.3	.66	.78	.13	.03	.00
20	1.1	e.90	7.5	e.25	e2.5	1.5	6.3	.61	1.1	.11	.03	.08
21	1.3	e.90	5.6	e.24	e2.2	1.5	6.5	.58	1.0	.10	.03	.16
22	1.3	e.80	e4.5	e.23	e2.0	1.6	10	1.2	.86	.09	.00	.05
23	1.2	e.80	e3.0	e.22	e2.0	1.5	11	1.1	2.0	.08	.00	.00
24	1.1	e.80	e2.6	e.22	1.9	1.5	8.8	1.1	1.8	.08	.00	.00
25	1.0	e.80	e2.0	e.21	e2.2	1.4	7.3	.80	1.5	.07	.00	.43
26	.98	e1.0	e1.8	e.21	e2.0	1.3	5.8	.78	1.5	.59	.00	.11
27	.93	e1.0	e1.5	e.20	2.0	e1.3	4.5	1.1	1.3	.12	.00	.07
28	.84	e1.1	e1.3	e.20	e1.7	1.3	3.7	1.2	1.2	.10	.00	.22
29	.79	1.1	e1.1	e.20	---	1.3	3.1	1.1	1.0	.09	.00	.25
30	.73	1.2	e1.0	e3.0	---	1.4	2.8	1.1	.89	.09	.00	.14
31	.68	---	e.80	2.3	---	1.3	---	1.1	---	.08	.00	---
TOTAL	23.13	24.90	91.30	15.44	75.98	45.4	271.1	35.84	36.58	8.20	1.14	1.88
MEAN	.75	.83	2.95	.50	2.71	1.46	9.04	1.16	1.22	.26	.037	.063
MAX	2.3	1.5	18	3.0	7.6	2.1	37	2.5	3.0	.82	.12	.43
MIN	.19	.42	.74	.20	.96	1.1	1.2	.58	.50	.07	.00	.00
CFSM	.98	1.09	3.88	.66	3.57	1.93	11.9	1.52	1.60	.35	.05	.08
IN.	1.13	1.22	4.47	.76	3.72	2.22	13.27	1.75	1.79	.40	.06	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	1.33	1.21	2.18	.82	2.98	3.48	6.99	2.22	2.64	.34	.35	1.19
MAX	1.92	1.59	2.95	1.15	3.25	5.50	9.04	3.29	4.07	.42	.67	3.17
(WY)	2000	2000	2001	2000	2000	2000	2001	2000	2000	2000	2000	1999
MIN	.75	.83	1.42	.50	2.71	1.46	4.94	1.16	1.22	.26	.037	.063
(WY)	2001	2001	2000	2001	2001	2001	2000	2001	2001	2001	2001	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

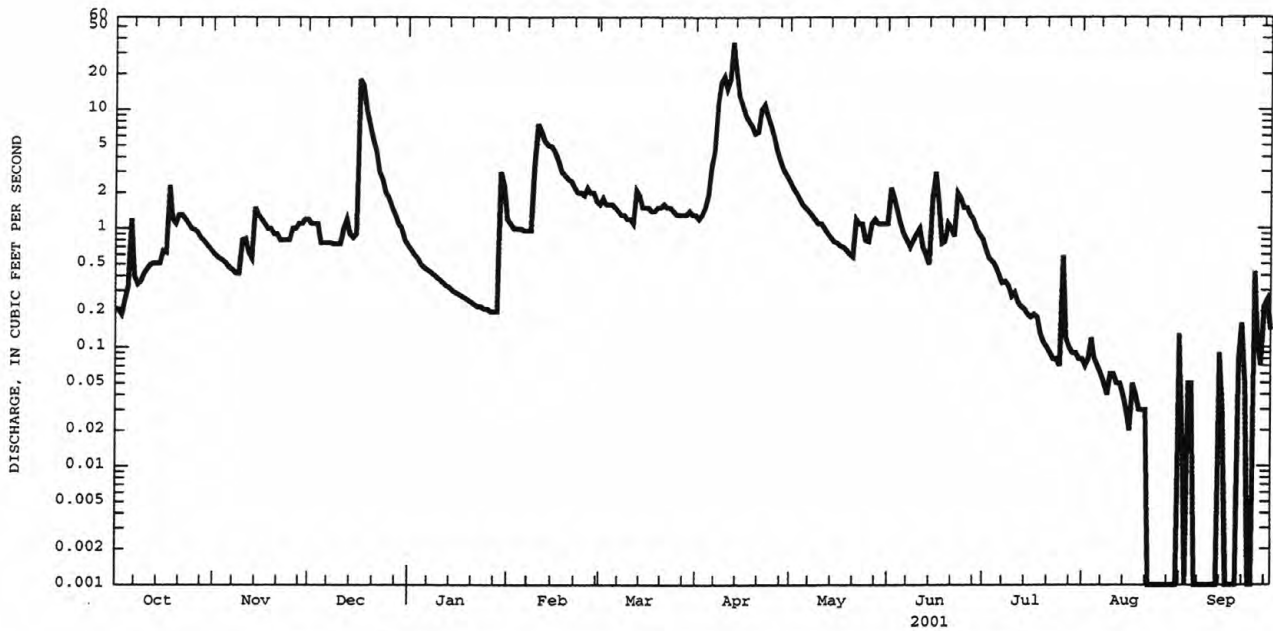
FOR 2001 WATER YEAR

WATER YEARS 1999 - 2001

ANNUAL TOTAL	855.09	630.89	
ANNUAL MEAN	2.34	1.73	2.05
HIGHEST ANNUAL MEAN			2.37
LOWEST ANNUAL MEAN			1.73
HIGHEST DAILY MEAN	28	Feb 28	37
LOWEST DAILY MEAN	.14	Aug 5	.00
ANNUAL SEVEN-DAY MINIMUM	.16	Aug 3	.00
ANNUAL RUNOFF (CFSM)	3.07		2.27
ANNUAL RUNOFF (INCHES)	41.85		30.88
10 PERCENT EXCEEDS	5.5		3.4
50 PERCENT EXCEEDS	1.1		.84
90 PERCENT EXCEEDS	.25		.05

e Estimated

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



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

HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,140 ft above sea level, 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, 2,200 ft³/s, July 4, 1999, gage height, 7.53 ft, from rating curve extended above 260 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 0.03 ft³/s, Sept. 10, 2001, gage height, 1.33 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1300	a*1,590	b*6.58	Apr. 12	2115	a632	4.62
Apr. 9	1700	a1,210	5.90				

a From rating curve extended as explained above.

b Recorded; outside gage height was 7.09 ft, from crest-stage gage.

Minimum discharge, 0.03 ft³/s, Sept. 10, gage height, 1.33 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	8.0	19	e26	56	e27	29	24	9.5	7.5	1.1	.49
2	3.4	7.7	14	e25	e30	e26	27	23	27	7.0	.94	.37
3	3.5	7.6	12	e23	e27	e25	28	21	26	5.1	1.0	.23
4	5.2	7.8	e14	e22	e26	e25	38	19	23	4.7	3.3	.25
5	7.9	7.7	e14	e21	e25	e26	58	17	17	6.1	1.3	.29
6	32	7.2	e13	e20	e24	e28	90	15	15	4.3	.85	.22
7	15	6.7	e14	e20	e23	e26	161	13	13	3.4	.63	.16
8	9.1	6.4	e13	e19	26	e23	414	13	11	3.6	.47	.10
9	7.0	6.3	e13	e16	e80	e22	782	11	9.8	5.7	.34	.06
10	6.3	14	e12	e16	e300	e20	672	10	8.8	3.6	.40	.08
11	6.4	18	e12	e15	e110	e19	446	9.3	10	4.2	.57	.14
12	5.6	13	e12	e14	e80	e20	490	8.8	12	3.5	.51	.08
13	5.0	10	e12	e14	e70	e26	534	8.5	8.4	2.7	.48	.06
14	4.7	19	e12	e14	e74	e30	347	7.8	7.1	2.4	.39	.57
15	4.6	23	e11	e14	e84	e27	224	7.4	6.0	2.2	.32	.54
16	6.0	16	17	e14	e56	e26	177	6.6	e18	2.0	.23	.33
17	8.7	15	746	e14	e48	e27	139	6.6	e40	2.0	.27	.23
18	35	15	325	e13	e42	e26	111	7.3	e20	e1.7	.28	.20
19	26	14	163	e13	e40	e30	91	7.3	e10	e1.6	.27	.18
20	18	13	119	e12	e36	36	76	6.7	8.7	1.6	.25	.29
21	15	13	e80	e12	e30	40	72	7.0	9.4	1.3	.26	1.2
22	14	12	e64	e12	e29	46	93	17	7.4	1.1	.26	.83
23	13	10	e49	e12	e29	43	100	23	27	.90	.17	.47
24	12	9.8	e45	e11	e29	37	e80	22	26	.67	.16	.35
25	12	11	e38	e11	e30	35	e60	15	14	.53	.13	6.3
26	11	22	e36	e11	e32	32	47	13	11	14	.12	2.4
27	10	27	e34	e10	e29	31	39	21	9.3	5.3	.08	1.4
28	10	21	e30	e10	e28	28	33	22	7.8	2.7	.08	2.6
29	9.0	19	e28	e10	---	27	29	18	7.7	2.0	.10	3.8
30	8.5	20	e27	e14	---	31	26	14	9.3	1.7	.11	2.9
31	8.2	---	e26	85	---	33	---	11	---	1.4	.12	---
TOTAL	335.6	400.2	2024	543	1493	898	5513	425.3	429.2	106.50	15.49	27.12
MEAN	10.8	13.3	65.3	17.5	53.3	29.0	184	13.7	14.3	3.44	.50	.90
MAX	35	27	746	85	300	46	782	24	40	14	3.3	6.3
MIN	3.4	6.3	11	10	23	19	26	6.6	6.0	.53	.08	.06
CFSM	.42	.52	2.54	.68	2.07	1.13	7.15	.53	.56	.13	.02	.04
IN.	.49	.58	2.93	.79	2.16	1.30	7.98	.62	.62	.15	.02	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	17.6	17.9	38.2	46.5	58.3	75.0	121	40.7	39.3	18.3	9.67	22.7
MAX	38.6	37.6	65.3	82.4	78.8	137	184	86.8	98.6	36.7	25.5	55.9
(WY)	2000	2000	2001	1999	2000	2000	2001	2000	2000	1999	2000	1999
MIN	3.48	2.93	6.02	17.5	42.0	29.0	44.3	13.7	4.98	3.44	.50	.90
(WY)	1999	1999	1999	2001	1999	2001	1999	2001	1999	2001	2001	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

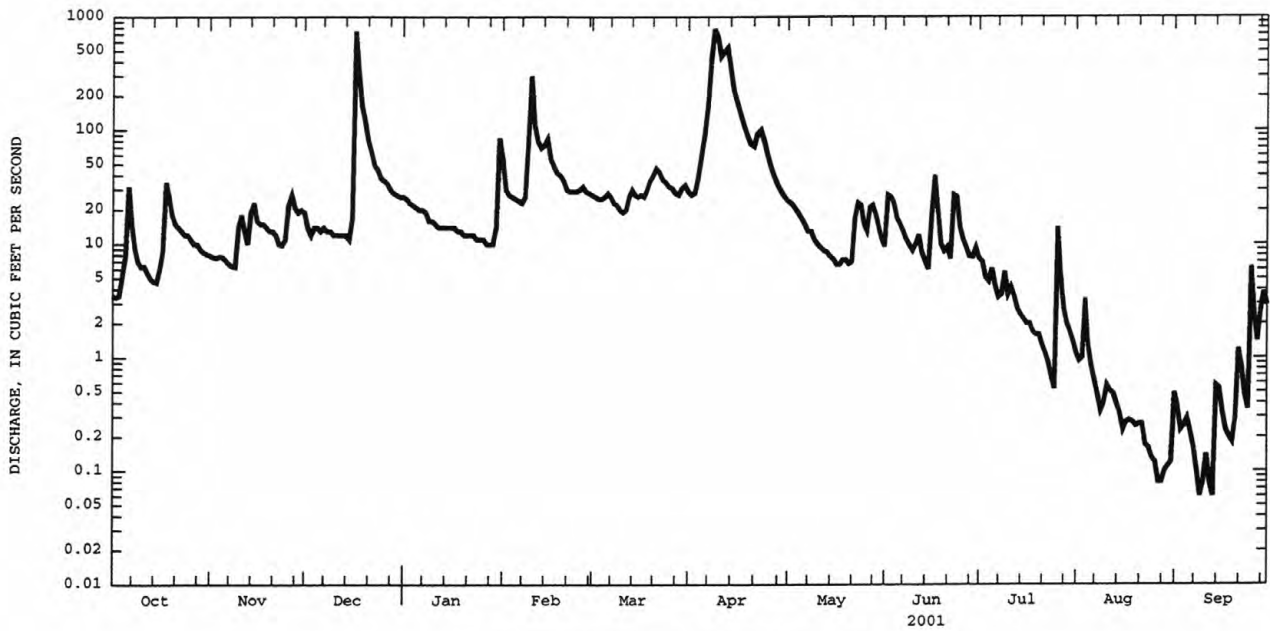
FOR 2001 WATER YEAR

WATER YEARS 1999 - 2001

ANNUAL TOTAL	21762.9	12210.41	
ANNUAL MEAN	59.5	33.5	41.9
HIGHEST ANNUAL MEAN			61.9
LOWEST ANNUAL MEAN			30.2
HIGHEST DAILY MEAN	746	782	782
LOWEST DAILY MEAN	3.4	.06	.06
ANNUAL SEVEN-DAY MINIMUM	4.0	.10	.10
ANNUAL RUNOFF (CFSM)	2.31	1.30	1.63
ANNUAL RUNOFF (INCHES)	31.50	17.67	22.14
10 PERCENT EXCEEDS	138	56	99
50 PERCENT EXCEEDS	28	13	20
90 PERCENT EXCEEDS	6.5	.38	1.6

e Estimated

01350035 BEAR KILL NEAR PRATTSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--July 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,255.95 ft above sea level.

REMARKS.--Records good, except those for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,050 ft³/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 ft³/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 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1445	*1,340	*4.77	Apr. 13	1745	1,170	4.41
Apr. 9	2215	864	3.71				

Minimum discharge, 1.7 ft³/s, Sept. 10, 12, 13, 18, 19, 20, 30; minimum gage height, 0.33 ft, Sept. 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	9.8	15	e28	33	e32	32	47	12	8.4	3.8	2.8
2	7.5	9.5	13	e27	e29	e29	30	42	43	8.2	3.6	2.2
3	7.4	9.0	e14	e25	e28	30	30	37	45	7.6	3.7	2.1
4	8.3	9.0	e14	e23	e26	e25	37	33	35	7.2	4.2	2.3
5	11	9.0	13	e21	23	27	57	29	26	7.5	3.9	2.3
6	36	8.9	e12	e20	23	e25	81	25	21	6.6	3.4	2.1
7	20	8.4	e11	e19	22	30	127	23	17	6.1	3.2	2.0
8	13	8.0	e10	e18	22	e25	286	21	14	6.2	3.0	1.9
9	11	8.2	9.2	e17	42	25	509	19	12	8.1	2.9	1.8
10	9.6	10	e9.0	e16	201	25	641	17	9.9	6.8	3.0	1.9
11	9.4	16	8.9	e15	103	e23	454	15	11	7.0	2.9	2.0
12	8.3	15	14	e14	81	27	663	14	13	6.3	3.3	1.8
13	7.9	12	38	e13	74	35	885	13	9.1	5.7	3.1	1.7
14	7.2	15	12	e12	e68	51	508	12	7.6	5.5	2.9	2.4
15	7.0	25	10	e11	e80	36	339	11	6.7	5.3	2.7	2.2
16	7.5	18	16	e11	e66	e31	261	9.9	6.3	4.9	2.6	2.0
17	8.6	15	523	e10	e54	36	210	9.3	76	5.1	2.7	1.9
18	34	14	251	e9.6	e52	33	176	9.0	28	5.1	2.5	1.8
19	40	13	155	e9.2	e49	32	148	8.8	15	4.6	2.4	1.7
20	25	13	133	e8.8	e47	36	133	7.8	12	4.3	2.4	1.8
21	20	13	e110	e8.2	e50	43	141	7.2	17	4.0	2.4	2.3
22	17	12	e80	e7.8	e43	49	170	15	12	3.9	2.2	2.0
23	15	11	e70	e7.4	45	45	159	26	16	3.7	2.2	1.9
24	14	e11	e62	e7.2	44	39	132	22	30	3.5	2.3	1.9
25	14	12	e54	e7.2	45	37	109	15	17	3.3	2.2	4.4
26	13	14	e44	e7.2	e54	34	91	12	13	10	2.1	2.6
27	13	23	e39	e7.2	e38	37	79	19	10	6.2	2.1	1.9
28	12	19	e37	e7.2	e34	32	68	25	8.8	4.7	2.2	2.0
29	11	16	e35	e7.2	---	31	58	20	8.6	4.2	2.2	2.0
30	11	16	e32	e12	---	33	52	15	8.9	4.1	2.0	1.8
31	10	---	e30	40	---	36	---	13	---	3.9	1.9	---
TOTAL	436.5	392.8	1874.1	446.2	1476	1029	6666	592.0	560.9	178.0	86.0	63.5
MEAN	14.1	13.1	60.5	14.4	52.7	33.2	222	19.1	18.7	5.74	2.77	2.12
MAX	40	25	523	40	201	51	885	47	76	10	4.2	4.4
MIN	7.0	8.0	8.9	7.2	22	23	30	7.2	6.3	3.3	1.9	1.7
CFSM	.43	.40	1.87	.44	1.63	1.02	6.86	.59	.58	.18	.09	.07
IN.	.50	.45	2.15	.51	1.69	1.18	7.65	.68	.64	.20	.10	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

	MEAN	29.8	47.4	47.1	55.2	43.5	88.7	141	68.7	34.8	17.2	8.17	15.2
MAX	128	116	153	165	116	149	297	152	127	80.5	33.3	99.1	
(WY)	1997	1997	1997	1996	1990	1998	1993	1989	2000	1996	2000	1999	
MIN	2.44	3.84	4.93	14.4	12.8	33.2	46.0	19.1	5.80	2.75	1.66	1.60	
(WY)	1998	1999	1999	2001	1993	2001	1995	2001	1991	1993	1993	1995	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

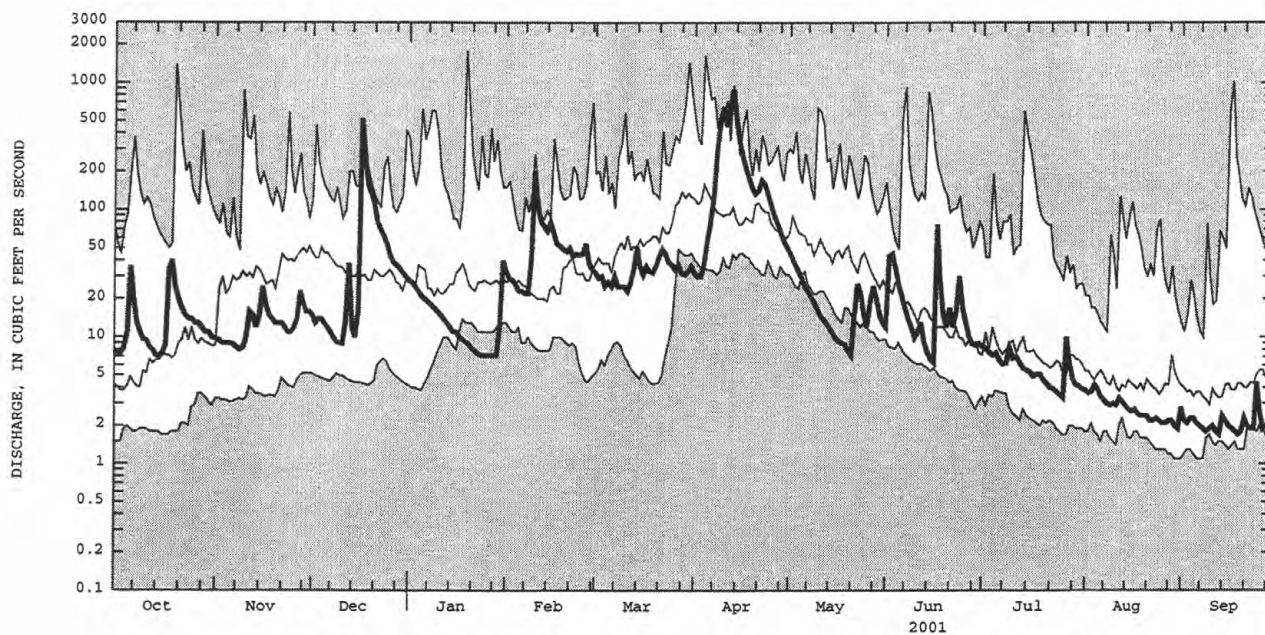
FOR 2001 WATER YEAR

WATER YEARS 1986 - 2001

ANNUAL TOTAL	23780.5	13801.0	
ANNUAL MEAN	65.0	37.8	49.7
HIGHEST ANNUAL MEAN			73.2
LOWEST ANNUAL MEAN			28.0
HIGHEST DAILY MEAN	926	Jun 7	1800
LOWEST DAILY MEAN	7.0	Oct 15	1.1
ANNUAL SEVEN-DAY MINIMUM	8.0	Oct 11	1.2
ANNUAL RUNOFF (CFSM)	2.01		1.53
ANNUAL RUNOFF (INCHES)	27.30		20.85
10 PERCENT EXCEEDS	139		120
50 PERCENT EXCEEDS	30		23
90 PERCENT EXCEEDS	9.9		3.4

e Estimated

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

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 1,072.50 ft.

Datum of gage is sea level (levels by Board of Water Supply, City of New York).

REMARKS.--Reservoir is formed by masonry and earth dam. Storage began July 24, 1926. Usable capacity 19,583 mil gal between minimum operating level, elevation, 1,050.00 ft, and crest of spillway, elevation, 1,130.00 ft. Dead storage below elevation 1,050.00 ft, 1,968 mil gal. Figures given herein represent usable contents. Reservoir impounds water except for periods of spilling, for diversion through Shandaken Tunnel into Esopus Creek to Ashokan Reservoir, for New York City water supply.

COOPERATION.--Capacity table and once-daily nonrecording gage readings provided by Department of Environmental Protection, City of New York.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 1,136.68 ft, Jan. 19, 1996, contents, 22,235 mil gal; minimum observed (after initial filling), 1,062.00 ft, Aug. 20, 1970, contents, 1,520 mil gal.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,131.78 ft, Apr. 12, 13, contents, 20,275 mil gal; minimum elevation, 1,085.17 ft, Sept. 30, contents, 6,209 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 (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1104.84	1091.12	1086.40	1130.09	1130.16	1130.08	1130.19	1130.28	1125.57	1129.04	1110.76	1096.91
2	1104.25	1090.34	1086.42	1130.08	1130.12	1130.10	1130.16	1130.25	1125.15	1128.82	1110.29	1096.46
3	1103.82	1089.90	1086.30	1130.09	1130.08	1130.09	1130.14	1130.21	1125.09	1128.63	1109.91	1096.01
4	1103.41	1089.52	1086.16	1130.09	1130.05	1130.06	1130.15	1130.14	1125.19	1128.46	1109.54	1095.56
5	1103.07	1089.12	1086.10	1130.08	1130.08	1130.08	1130.22	1130.09	1125.44	1128.28	1109.11	1095.11
6	1102.96	1088.72	1086.09	1130.08	1130.07	1130.07	1130.31	1130.05	1125.71	1128.00	1108.67	1094.63
7	1103.04	1088.31	1085.98	1130.07	1130.06	1130.08	1130.44	1129.99	1125.92	1127.70	1108.24	1094.15
8	1102.91	1087.89	1085.91	1130.07	1130.04	1130.06	1130.69	1129.92	1126.23	1127.40	1107.80	1093.66
9	1102.69	1087.48	1085.87	1130.06	1130.08	1130.07	1131.15	1129.82	1126.50	1127.13	1107.37	1093.18
10	1102.43	1087.10	1085.76	1130.05	1130.48	1130.06	1131.46	1129.71	1126.71	1126.82	1106.93	1092.70
11	1102.15	1086.84	1085.73	1130.04	1130.34	1130.04	1131.15	1129.56	1126.90	1126.43	1106.49	1092.23
12	1101.84	1086.77	1085.86	1130.03	1130.22	1130.04	1131.33	1129.38	1127.09	1125.74	1106.06	1091.75
13	1101.53	1086.66	1085.92	1130.03	1130.24	1130.09	1131.68	1129.19	1127.21	1124.88	1105.63	1091.28
14	1101.21	1086.51	1085.93	1130.07	1130.23	1130.17	1131.30	1128.96	1127.13	1123.61	1105.22	1090.85
15	1100.88	1086.63	1085.97	1130.06	1130.35	1130.14	1130.96	1128.71	1126.99	1122.28	1104.78	1090.39
16	1100.56	1086.84	1085.99	1130.04	1130.27	1130.13	1130.82	1128.44	1126.84	1121.01	1104.32	1089.93
17	1100.26	1086.91	1093.19	1130.02	1130.24	1130.14	1130.70	1128.11	1127.35	1120.02	1103.88	1089.46
18	1100.11	1086.90	1114.88	1130.00	1130.17	1130.12	1130.62	1127.36	1128.36	1119.05	1103.43	1088.98
19	1100.36	1087.01	1120.90	1130.00	1130.17	1130.10	1130.56	1126.54	1128.68	1118.10	1102.98	1088.49
20	1100.05	1086.67	1124.09	1130.00	1130.19	1130.12	1130.52	1125.70	1128.79	1117.28	1102.53	1088.02
21	1099.50	1086.44	1126.16	1129.99	1130.20	1130.17	1130.54	1124.84	1129.08	1116.47	1102.08	1087.63
22	1098.87	1086.12	1127.78	1129.95	1130.11	1130.22	1130.70	1124.03	1129.39	1115.64	1101.62	1087.30
23	1098.19	1086.21	1129.00	1129.81	1130.13	1130.26	1130.76	1123.54	1129.52	1114.82	1101.15	1086.94
24	1097.48	1086.07	1129.57	1129.70	1130.11	1130.20	1130.67	1124.01	1129.94	1114.13	1100.68	1086.54
25	1096.74	1085.88	1130.19	1129.75	1130.14	1130.18	1130.58	1124.43	1130.12	1113.62	1100.20	1086.62
26	1095.99	1085.69	1130.15	1129.77	1130.21	1130.16	1130.48	1124.52	1130.04	1113.27	1099.73	1087.58
27	1095.22	1085.64	1130.17	1129.81	1130.16	1130.13	1130.43	1124.62	1129.89	1112.98	1099.25	1087.72
28	1094.43	1085.98	1130.14	1129.84	1130.12	1130.14	1130.39	1124.93	1129.72	1112.58	1098.77	1087.55
29	1093.58	1086.16	1130.10	1129.86	---	1130.12	1130.36	1125.22	1129.50	1112.15	1098.30	1086.63
30	1092.75	1086.32	1130.11	1129.92	---	1130.18	1130.32	1125.46	1129.28	1111.69	1097.82	1085.58
31	1091.93	---	1130.09	1130.13	---	1130.25	---	1125.61	---	1111.23	1097.34	---
MEAN	1099.90	1087.26	1104.93	1129.99	1130.17	1130.12	1130.66	1127.54	1127.64	1120.88	1104.22	1090.66
MAX	1104.84	1091.12	1130.19	1130.13	1130.48	1130.26	1131.68	1130.28	1130.12	1129.04	1110.76	1096.91
MIN	1091.93	1085.64	1085.73	1129.70	1130.04	1130.04	1130.14	1123.54	1125.09	1111.23	1097.34	1085.58
#	7805	6509	19618	19653	19622	19669	19696	18016	19282	13268	9302	6209
##	-190	-66.8	+654	+1.75	-1.71	+2.35	+1.39	-83.8	+65.3	-300	-198	-160

CAL YR 2000 MEAN 1119.42 MAX 1132.00 MIN 1085.64 ## +12.1
WTR YR 2001 MEAN 1115.28 MAX 1131.68 MIN 1085.58 ## -22.9

Contents, in million gallons, at 2400 hours on last day of month.

Change in contents, equivalent in cubic feet per second.

NOTE: Mean elevations for Nov. 19-29 computed based on readings at 1200 hours and on adjacent days.

01350101 SCHOHARIE CREEK AT GILBOA, NY

LOCATION.--Lat 42°23'50", long 74°27'03", Schoharie County, Hydrologic Unit 02020005, on left bank 200 ft upstream from bridge on County Highway 322, 0.2 mi west of village of Gilboa, 0.4 mi downstream from dam on Schoharie Reservoir, and 0.8 mi upstream from the Platter Kill.

DRAINAGE AREA.--316 mi².

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 ft³/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 sea level.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Entire flow, runoff from 315 mi², except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of city of New York.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft³/s, Jan. 19, 1996, gage height, 30.60 ft, outside gage height, 32.2 ft, from floodmark, from rating curve extended above 14,000 ft³/s on basis of flow-over-dam measurement of peak flow; minimum daily discharge, 0.04 ft³/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 ft³/s, Oct. 16, 1955, by computation of flow over dam; flood of Mar. 18, 1936, reached a discharge of 32,000 ft³/s, from information furnished by Bureau of Water Resources Development, City of New York.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,320 ft³/s, Apr. 13, gage height, 17.30 ft.

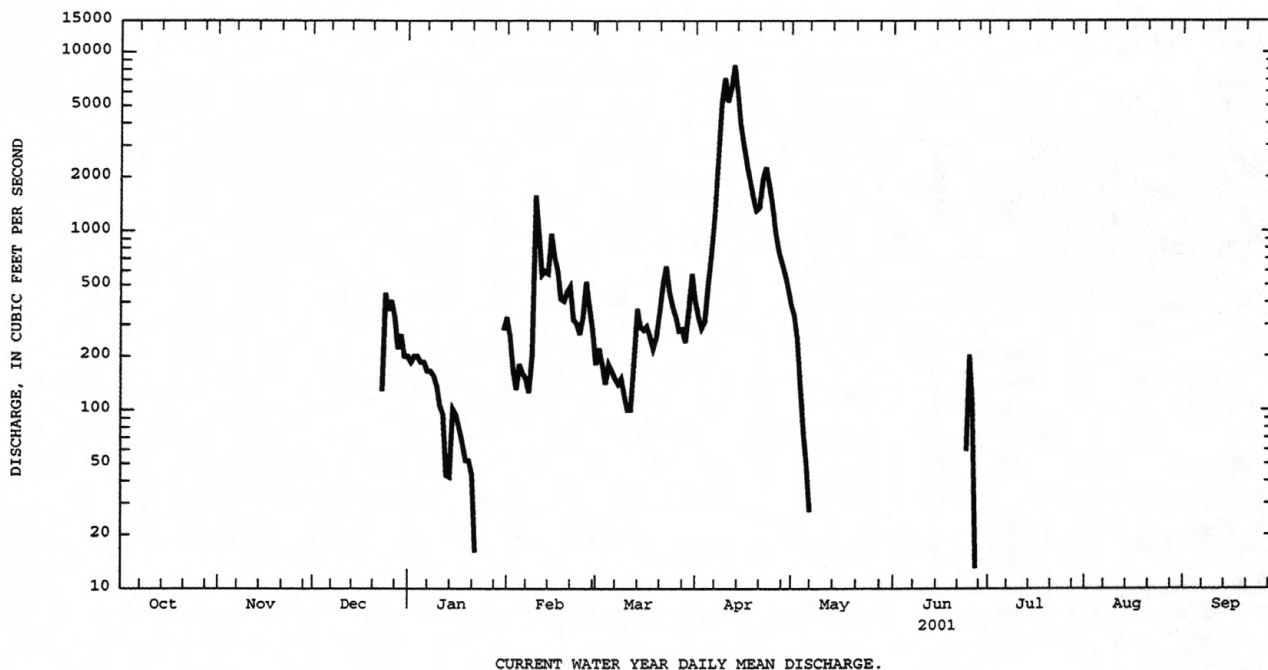
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	e200	e330	e180	408	391	---	---	---	---
2	---	---	---	e185	e260	221	332	340	---	---	---	---
3	---	---	---	e200	e170	e180	286	251	---	---	---	---
4	---	---	---	e200	e130	e140	311	139	---	---	---	---
5	---	---	---	e185	e180	180	501	76	---	---	---	---
6	---	---	---	e185	e160	165	755	49	---	---	---	---
7	---	---	---	e165	e150	e150	1250	27	---	---	---	---
8	---	---	---	e165	125	e140	2500	---	---	---	---	---
9	---	---	---	e155	201	e150	5120	---	---	---	---	---
10	---	---	---	e135	1570	e120	7160	---	---	---	---	---
11	---	---	---	106	968	e100	5250	---	---	---	---	---
12	---	---	---	94	570	e100	6310	---	---	---	---	---
13	---	---	---	43	598	186	8470	---	---	---	---	---
14	---	---	---	42	579	368	6020	---	---	---	---	---
15	---	---	---	101	964	290	3880	---	---	---	---	---
16	---	---	---	94	720	280	3000	---	---	---	---	---
17	---	---	15	79	604	293	2320	---	---	---	---	---
18	---	---	---	65	419	257	1880	---	---	---	---	---
19	---	---	---	52	406	220	1530	---	---	---	---	---
20	---	---	---	52	458	254	1300	---	---	---	---	---
21	---	---	---	43	491	351	1350	---	---	---	---	---
22	---	---	---	16	319	504	1940	---	---	---	---	---
23	---	---	---	---	304	636	2270	---	---	---	---	---
24	---	---	128	---	265	458	1800	---	59	---	---	---
25	---	---	e450	---	332	379	1400	---	203	---	---	---
26	---	---	e360	---	520	331	1000	---	107	---	---	---
27	---	---	e410	---	375	277	787	---	13	---	---	---
28	---	---	e330	---	279	282	674	---	---	---	---	---
29	---	---	e220	---	---	239	582	---	---	---	---	---
30	---	---	e265	---	---	361	487	---	---	---	---	---
31	---	---	e200	e280	---	576	---	---	---	---	---	---
TOTAL	---	---	---	---	12447	8368	70873	---	---	---	---	---
MEAN	---	---	---	---	445	270	2362	---	---	---	---	---
MAX	---	---	---	---	1570	636	8470	---	---	---	---	---
MIN	---	---	---	---	125	100	286	---	---	---	---	---

e Estimated

HUDSON RIVER BASIN

01350101 SCHOHARIE CREEK AT GILBOA, NY--Continued



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 mi².

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 sea level, from topographic map. Prior to October 1, 1990, at site 0.2 mi upstream at datum about 30 ft higher.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,370 ft³/s, Jan. 19, 1996, gage height, about 6.7 ft, from outside floodmark, from rating curve extended above 280 ft³/s on basis of flow-through-culvert measurement of peak flow; minimum discharge, 0.32 ft³/s, Nov. 18, 1980 (result of freezeup).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1615	151	3.10	Apr. 13	1830	*190	3.31
Dec. 26	0845	ice jam	*3.36				

Minimum discharge, 1.2 ft³/s, Sept. 9, 10, 11, 12, 13, 18, 19, 20, 24, gage height, 1.76 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	4.7	7.5	e11	e11	e12	16	16	6.6	4.2	2.1	2.0
2	3.8	4.7	e7.8	e11	e10	e12	16	14	8.5	4.0	2.0	1.5
3	3.6	4.4	e7.4	e11	e10	e11	16	14	9.0	3.7	2.0	1.4
4	4.3	4.5	e6.6	e11	e9.8	e11	16	14	8.0	3.8	4.0	1.7
5	5.0	4.4	e5.8	e11	e9.2	e11	18	15	6.4	3.8	2.4	1.5
6	12	4.3	e5.4	e11	e9.0	e11	21	16	5.5	3.3	2.1	1.4
7	7.0	4.2	e5.0	e10	e9.0	e11	23	16	6.7	3.0	2.0	1.4
8	5.4	4.2	e4.6	e10	e9.0	e12	53	15	6.0	3.5	1.9	1.4
9	4.6	4.1	e4.3	e10	e12	e11	97	13	5.3	4.9	1.8	1.3
10	4.2	4.1	e4.2	e10	e26	e10	117	11	4.7	3.3	2.2	1.4
11	3.7	5.8	e4.1	e9.6	e24	e8.8	96	9.0	5.6	4.0	1.9	1.5
12	3.8	5.5	e4.2	e9.4	e23	e9.4	119	7.4	5.8	3.3	2.2	1.3
13	4.5	4.7	e4.3	e9.0	e18	e11	150	7.2	4.8	2.9	2.0	1.3
14	4.5	5.8	e4.5	e8.6	e17	e14	104	7.1	4.4	2.8	1.8	2.5
15	4.4	6.2	e4.7	e8.4	e16	e12	83	7.3	4.1	2.7	1.7	1.4
16	4.1	5.6	6.3	e8.0	e18	e10	70	7.3	4.2	2.6	1.6	1.4
17	4.2	4.3	78	e7.8	e17	e11	57	7.3	13	3.1	1.9	1.4
18	12	3.7	55	e7.8	e17	e10	43	7.2	7.0	2.8	1.7	1.3
19	16	3.7	28	e7.6	e16	e10	34	6.8	5.8	2.5	1.5	1.3
20	9.5	3.9	24	e7.4	e16	e11	27	5.8	5.1	2.4	1.7	1.6
21	5.7	4.1	e22	e7.4	e16	e13	26	5.0	4.8	2.3	1.6	1.8
22	5.5	4.4	e20	e7.2	e16	e15	26	8.4	4.7	2.3	1.5	1.4
23	5.4	5.0	e19	e7.4	e15	e14	24	7.9	6.8	2.2	1.5	1.4
24	5.2	e7.0	e18	e7.6	e14	e13	22	7.2	7.4	2.1	1.5	1.3
25	4.9	e7.8	e17	6.8	e14	e13	20	7.4	5.8	2.1	1.4	3.9
26	4.5	8.1	e16	e7.2	e13	e14	22	7.4	5.6	6.7	1.4	1.8
27	4.4	12	e15	e7.0	e13	16	21	7.6	4.7	3.0	1.4	1.5
28	4.1	9.3	e14	e6.6	e13	16	20	9.3	4.3	2.4	1.5	1.8
29	3.8	7.5	e13	e6.6	---	17	18	7.6	4.2	2.3	1.5	1.7
30	3.9	7.5	e12	e7.6	---	15	17	7.2	4.2	2.2	1.4	1.4
31	4.2	---	e12	e12	---	15	---	5.2	---	2.1	1.5	---
TOTAL	172.4	165.5	449.7	273.0	411.0	380.2	1392	296.6	179.0	96.3	56.7	48.0
MEAN	5.56	5.52	14.5	8.81	14.7	12.3	46.4	9.57	5.97	3.11	1.83	1.60
MAX	16	12	78	12	26	17	150	16	13	6.7	4.0	3.9
MIN	3.6	3.7	4.1	6.6	9.0	8.8	16	5.0	4.1	2.1	1.4	1.3
CFSM	.51	.51	1.33	.81	1.35	1.13	4.26	.88	.55	.28	.17	.15
IN.	.59	.56	1.53	.93	1.40	1.30	4.75	1.01	.61	.33	.19	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

	9.08	10.6	12.3	13.7	16.7	29.1	33.7	18.5	10.3	5.24	3.53	4.55
MEAN	9.08	10.6	12.3	13.7	16.7	29.1	33.7	18.5	10.3	5.24	3.53	4.55
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	2.05	2.21	1.84	2.18	8.67	11.6	6.05	2.66	1.70	1.35	1.22
(WY)	1984	1999	1999	1981	1980	1989	1985	1985	1995	1993	1993	1980

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

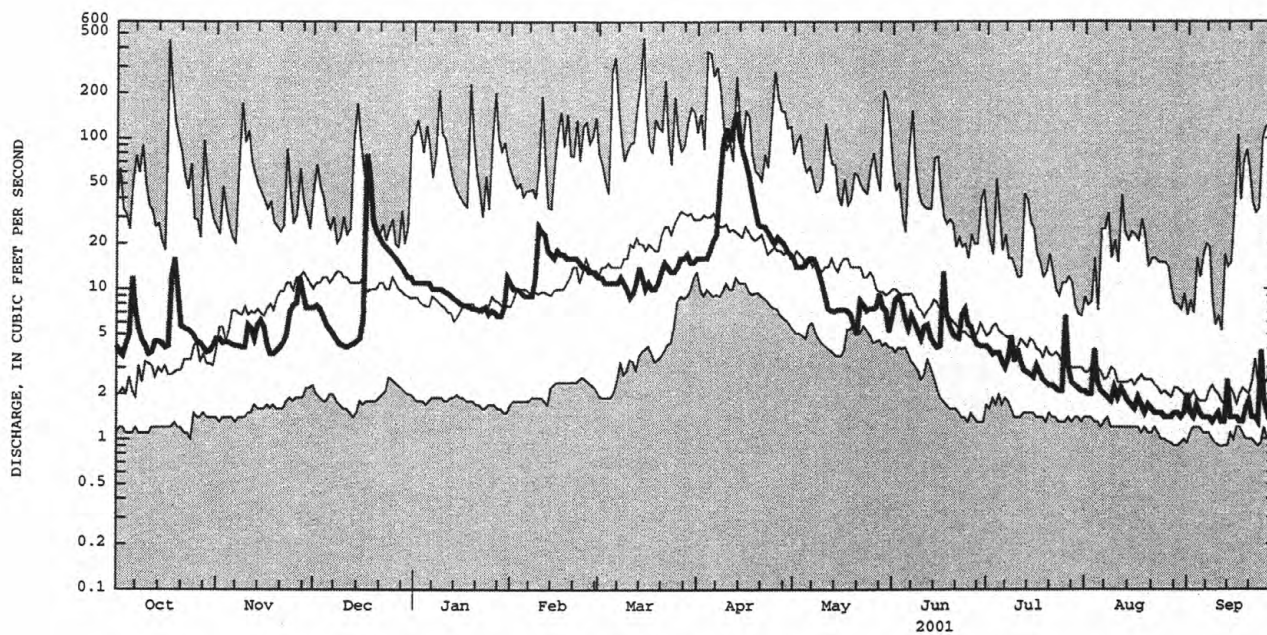
WATER YEARS 1975 - 2001

ANNUAL TOTAL	7214.1	3920.4	
ANNUAL MEAN	19.7	10.7	
HIGHEST ANNUAL MEAN			13.8
LOWEST ANNUAL MEAN			26.6
HIGHEST DAILY MEAN	153	Jun 7	5.43
LOWEST DAILY MEAN	3.6	Oct 3	1985
ANNUAL SEVEN-DAY MINIMUM	4.1	Sep 27	467
ANNUAL RUNOFF (CFSM)	1.81		.89
ANNUAL RUNOFF (INCHES)	24.62		.95
10 PERCENT EXCEEDS	44		1.27
50 PERCENT EXCEEDS	12		17.25
90 PERCENT EXCEEDS	4.4		31
			8.0
			1.7
			1.8

e Estimated

HUDSON RIVER BASIN

01350120 PLATTER KILL AT GILBOA, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01350140 MINE KILL NEAR NORTH BLENHEIM, NY

LOCATION.--Lat 42°25'44", long 74°28'24", Schoharie County, Hydrologic Unit 02020005, on left bank 200 ft upstream from bridge on State Highway 30, 0.6 mi upstream from mouth, and 3.0 mi southwest of North Blenheim.

DRAINAGE AREA.--16.2 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,550 ft³/s, Jan. 19, 1996, gage height, 5.20 ft, from floodmarks, from rating curve extended above 560 ft³/s on basis of step-backwater analysis of peak flow; maximum gage height since reconstruction, 5.21 ft, Dec. 17, 2001; minimum discharge, 0.10 ft³/s, Aug. 27, 28, 29, 30, 1980; minimum gage height, 0.46 ft, Aug. 11, 12, 13, 1997; minimum gage height since reconstruction, 1.21 ft, Aug. 28, Sept. 8, 9, 10, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1100	a*812	*5.21	No other peak greater than base discharge.			

a From rating curve extended above 140 ft³/s on basis of step-backwater analysis.

Minimum discharge, 0.17 ft³/s, Aug. 28, Sept. 8, 9, 10, gage height, 1.21 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	5.6	15	e15	35	e25	21	17	3.7	2.0	.51	.42
2	3.0	5.3	9.0	e14	25	24	20	15	15	2.2	.46	.39
3	2.7	5.3	6.8	e14	22	23	20	13	13	1.4	.61	.28
4	3.7	5.2	10	e13	e21	24	28	13	9.9	1.4	1.1	.29
5	5.6	5.0	14	e13	e19	22	43	11	7.3	2.5	1.0	.29
6	24	5.1	9.4	e13	e18	30	56	9.1	5.6	1.5	.62	.26
7	9.2	4.7	8.2	e12	e17	26	85	8.1	4.5	1.1	.43	.22
8	6.5	4.5	6.9	e12	e16	21	228	e7.4	3.8	1.2	.50	.20
9	5.6	4.4	e6.8	e11	40	20	316	e6.6	3.0	1.7	.63	.18
10	5.2	12	e6.2	e11	180	20	309	6.3	2.8	1.1	.77	.21
11	5.2	17	e6.2	e10	68	19	217	5.7	3.3	1.6	1.2	.23
12	4.6	12	e6.2	e10	51	18	281	5.3	4.1	1.4	.86	.25
13	e3.5	8.7	e6.4	e9.8	51	27	318	5.0	2.6	.98	.78	.25
14	2.5	15	e6.4	e9.6	61	40	199	e4.4	2.0	.88	.52	.76
15	2.3	17	e7.0	e9.4	99	28	144	4.0	1.6	.81	.41	.68
16	4.7	12	e9.0	e9.0	55	30	115	3.5	1.8	.73	.31	.47
17	7.9	10	337	e8.8	44	28	91	3.4	24	.86	.34	.38
18	47	10	137	e8.6	36	25	72	3.6	6.9	1.0	.40	.34
19	28	11	84	e8.4	e34	25	58	3.6	e3.8	.73	.35	.35
20	16	10	65	e8.0	e32	30	52	3.0	2.8	.59	.42	.40
21	14	10	52	e7.8	e30	33	53	2.8	3.0	.51	.65	.69
22	11	9.7	42	e7.6	27	37	53	8.1	3.0	.45	.45	.62
23	9.2	8.0	34	e7.2	27	36	49	14	10	.40	.36	.42
24	8.4	6.7	33	e7.0	25	32	43	14	12	.35	.33	.35
25	8.3	8.4	26	e6.8	e28	29	36	7.6	5.7	.32	.28	4.3
26	7.5	23	e25	e6.8	e32	25	31	6.3	3.7	8.9	.22	1.5
27	7.5	31	e23	e6.6	e29	26	27	11	2.6	2.6	.20	.77
28	6.6	23	e21	e6.6	e27	22	24	13	1.7	1.1	.20	.71
29	5.4	20	e20	8.0	---	21	21	9.5	1.6	.87	.26	.95
30	5.2	17	e18	18	---	22	18	e6.2	2.4	.71	.23	.67
31	5.6	---	e17	57	---	24	---	4.8	---	.57	.22	---
TOTAL	279.3	336.6	1067.5	359.0	1149	812	3028	245.3	167.2	42.46	15.62	17.83
MEAN	9.01	11.2	34.4	11.6	41.0	26.2	101	7.91	5.57	1.37	.50	.59
MAX	47	31	337	57	180	40	318	17	24	8.9	1.2	4.3
MIN	2.3	4.4	6.2	6.6	16	18	18	2.8	1.6	.32	.20	.18
CFSM	.56	.69	2.13	.71	2.53	1.62	6.23	.49	.34	.08	.03	.04
IN.	.64	.77	2.45	.82	2.64	1.86	6.95	.56	.38	.10	.04	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

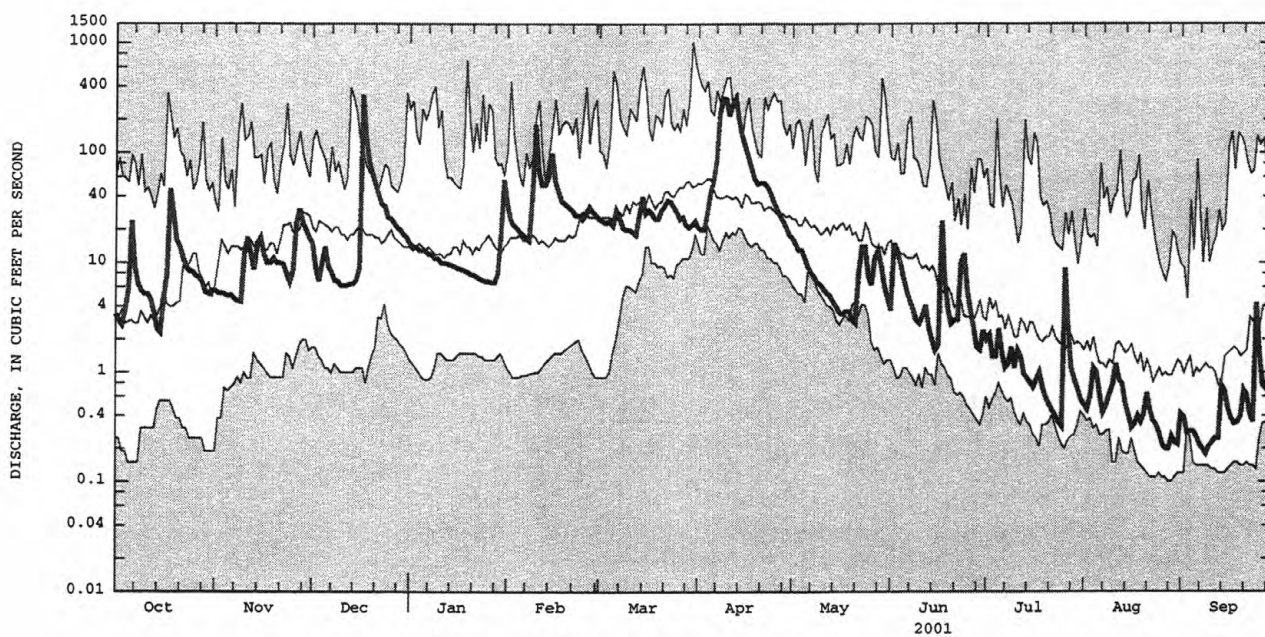
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	13.3	21.5	25.0	26.4	30.4	54.1	60.1	30.0	14.6	6.22	3.73	6.15															
MAX	67.3	48.6	59.7	74.3	86.5	126	242	76.9	45.8	31.6	16.5	42.3															
(WY)	1978	1978	1978	1979	1981	1977	1993	1984	2000	1996	2000	1977															
MIN	.36	1.53	2.70	1.77	1.25	20.8	19.9	7.19	.93	.53	.43	.26															
(WY)	1983	1999	1999	1981	1980	1989	1995	1995	1991	1993	1981	1982															

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1975 - 2001
ANNUAL TOTAL	12106.6	7519.81	
ANNUAL MEAN	33.1	20.6	24.2
HIGHEST ANNUAL MEAN			40.9
LOWEST ANNUAL MEAN			12.7
HIGHEST DAILY MEAN	337	337	1030
LOWEST DAILY MEAN	2.3	.18	.10
ANNUAL SEVEN-DAY MINIMUM	3.2	.22	.11
ANNUAL RUNOFF (CFSM)	2.04	1.27	1.50
ANNUAL RUNOFF (INCHES)	27.80	17.27	20.32
10 PERCENT EXCEEDS	75	41	56
50 PERCENT EXCEEDS	18	8.0	12
90 PERCENT EXCEEDS	4.8	.42	.91

e Estimated

HUDSON RIVER BASIN

01350140 MINE KILL NEAR NORTH BLENHEIM, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY

LOCATION.--Lat 42°27'57", long 74°27'45", Schoharie County, Hydrologic Unit 02020005, on left bank 2,300 ft upstream from West Kill, and 1.2 mi upstream from bridge on State Highway 30 in North Blenheim.

DRAINAGE AREA.--358 mi².

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 ft³/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 sea level, from topographic map. Prior to Oct. 1, 1971, at datum 1.00 ft higher.

REMARKS.--No estimated daily discharges. Records poor. Regulation of flow by Blenheim-Gilboa Pumped Storage Project immediately upstream from gage. Entire flow, runoff from 315 mi², except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. For periods of spill see station 01350101. From January 19, 1996, through September 30, 1998, undetermined amounts of flow greater than about 400 ft³/s bypassed the gage. From October 1, 1998, through September 30, 2000, undetermined amounts of flow greater than about 2,000 ft³/s bypass the gage. Since October 1, 2000, undetermined amounts of flow greater than about 5,000 ft³/s bypass the gage. Records for periods when flows bypass the gage are furnished by the New York Power Authority.

COOPERATION.--Records of flow greater than 5,000 ft³/s provided by the New York Power Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 75,600 ft³/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 ft³/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, 9,560 ft³/s, Apr. 13, from New York Power Authority, gage height, 9.29 ft; minimum discharge, 3.0 ft³/s, Sept. 12, 16, 17; minimum gage height, 0.78 ft, Sept. 6, 12, 16, 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	5.2	8.3	217	405	193	321	398	8.5	7.0	7.1	7.8
2	6.4	9.9	7.4	228	270	220	374	344	13	8.2	7.2	7.1
3	6.5	4.9	7.3	146	178	181	293	248	27	7.6	7.3	6.5
4	5.7	4.9	7.7	220	127	150	325	169	58	7.5	8.0	5.2
5	6.1	4.8	39	221	183	244	544	80	24	7.5	6.8	3.8
6	60	4.7	61	155	93	185	751	46	8.5	7.9	7.0	3.8
7	36	4.9	21	181	182	161	1270	34	9.4	7.8	7.4	3.6
8	8.9	4.7	8.0	194	220	137	2890	25	9.5	7.4	7.4	4.0
9	4.1	4.5	8.0	166	202	178	5630	22	9.4	8.1	7.2	3.5
10	4.1	5.0	7.1	122	1780	153	8400	22	8.7	7.3	7.0	4.0
11	4.5	25	7.9	78	968	126	5540	18	8.4	8.0	6.4	4.0
12	5.0	63	11	90	540	116	6400	10	8.4	7.9	7.1	3.3
13	5.4	27	11	70	621	196	8660	9.6	8.4	8.0	7.0	3.4
14	5.5	14	33	20	585	374	7450	9.4	8.5	7.9	6.3	4.2
15	5.0	55	23	49	995	300	3970	9.5	8.2	7.2	6.5	3.8
16	4.9	24	21	92	703	291	3350	9.8	8.6	7.3	7.0	3.2
17	4.9	9.9	926	93	606	319	2540	10	54	7.4	7.4	4.0
18	73	9.0	378	58	401	258	1860	10	18	7.6	7.3	4.3
19	85	8.6	143	60	402	202	1590	10	8.8	8.0	6.8	4.3
20	7.3	8.2	183	79	461	261	1180	10	9.0	7.8	6.8	3.5
21	18	8.4	78	48	486	415	1230	9.5	8.6	7.8	6.6	3.7
22	7.7	8.6	48	26	231	497	1860	14	8.7	7.2	6.4	3.9
23	16	9.1	83	34	316	674	2480	47	15	7.3	6.7	3.5
24	50	9.3	39	30	258	475	1670	30	138	7.4	7.1	3.3
25	6.8	9.3	488	28	321	346	1380	11	157	7.8	6.9	4.2
26	5.2	9.3	369	24	571	362	995	11	109	9.8	6.2	3.6
27	5.4	44	360	20	377	298	731	14	14	7.9	6.4	3.7
28	5.6	66	382	17	291	309	623	54	11	7.7	6.7	4.1
29	5.1	36	209	14	---	230	556	42	6.8	7.1	6.9	3.7
30	4.6	9.1	237	15	---	379	540	25	6.4	7.5	6.9	4.3
31	13	---	240	233	---	571	---	9.3	---	7.1	7.4	---
TOTAL	483.0	506.3	4444.7	3028	12773	8801	75403	1761.1	790.8	238.0	215.2	125.3
MEAN	15.6	16.9	143	97.7	456	284	2513	56.8	26.4	7.68	6.94	4.18
MAX	85	66	926	233	1780	674	8660	398	157	9.8	8.0	7.8
MIN	4.1	4.5	7.1	14	93	116	293	9.3	6.4	7.0	6.2	3.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	181	290	369	344	359	880	1388	687	295	64.5	14.7	44.9																			
MAX	1474	1511	1796	1610	1468	2532	3685	1599	1561	452	128	803																			
(WY)	1978	1978	1997	1979	1976	1979	1987	1984	1972	1973	2000	1999																			
MIN	.15	3.85	4.35	6.17	15.5	47.6	42.9	16.8	8.26	6.83	1.53	.25																			
(WY)	1973	1999	1999	1983	1987	1989	1981	1995	1999	1977	1973	1973																			

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

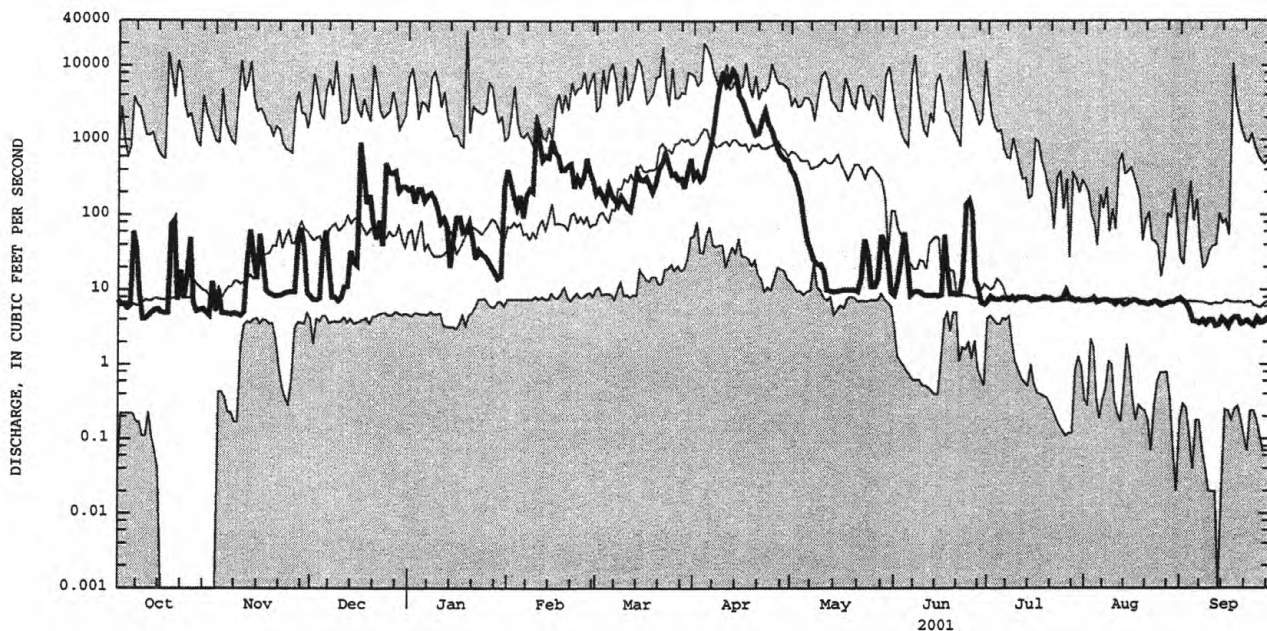
FOR 2001 WATER YEAR

WATER YEARS 1971 - 2001

ANNUAL TOTAL	185045.4	108569.4	
ANNUAL MEAN	506	297	406
HIGHEST ANNUAL MEAN			834
LOWEST ANNUAL MEAN			21.7
HIGHEST DAILY MEAN	13800	Jun 7	29900
LOWEST DAILY MEAN	4.1	Oct 9	.00
ANNUAL SEVEN-DAY MINIMUM	4.8	Nov 3	.00
10 PERCENT EXCEEDS	1390		1120
50 PERCENT EXCEEDS	65		29
90 PERCENT EXCEEDS	6.8		5.0

HUDSON RIVER BASIN

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.
ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.

HUDSON RIVER BASIN

123

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 mi².

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 sea level (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 mi², 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 ft³/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 ft³/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 ft³/s, Oct. 14, 1980; minimum gage height, 0.25 ft, Sept. 26, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,800 ft³/s, Apr. 13, gage height, 8.34 ft; minimum, 6.7 ft³/s, Sept. 13, 14, gage height, 1.39 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	46	90	e400	646	289	514	509	46	22	13	12
2	29	48	74	e350	436	312	548	443	70	25	12	11
3	28	42	53	e300	277	287	438	362	87	24	13	11
4	28	41	60	e350	223	251	505	247	109	22	16	10
5	40	40	90	e300	275	331	901	147	81	24	19	9.5
6	175	41	141	261	176	329	1330	109	55	22	15	7.9
7	114	37	87	274	237	248	2160	97	49	20	14	7.7
8	70	36	63	279	361	220	4380	84	46	19	13	7.4
9	47	35	60	247	299	231	6860	76	42	19	12	7.3
10	46	44	49	208	3000	236	9730	74	38	19	13	7.1
11	43	73	64	244	1830	185	6990	69	38	19	13	7.5
12	39	120	80	162	1170	163	7520	58	58	20	13	7.3
13	36	88	e76	197	1120	272	10300	54	48	18	13	6.9
14	34	60	e74	130	1030	586	8620	51	40	17	12	9.4
15	32	134	e70	78	1900	456	5300	49	35	17	11	9.5
16	33	91	67	142	1290	430	4420	46	33	15	11	8.9
17	46	65	2880	143	1100	459	3760	46	110	17	12	8.1
18	193	59	1710	115	747	393	2910	45	83	17	12	8.3
19	285	57	759	103	710	311	2430	44	47	17	11	8.5
20	107	e50	610	122	775	395	1820	42	39	16	11	8.9
21	83	e47	410	e90	818	647	1860	39	36	15	11	9.6
22	91	e44	272	e70	452	815	2660	51	36	14	11	9.0
23	66	e40	337	95	479	1130	3400	103	45	13	10	9.0
24	117	39	316	78	393	773	2400	98	189	13	11	8.4
25	69	46	962	75	459	570	1970	63	135	13	11	13
26	58	66	e740	e70	983	555	1420	53	166	26	10	16
27	56	137	614	63	607	451	1040	63	42	29	9.7	12
28	53	175	622	58	474	470	848	97	30	19	9.8	12
29	50	139	475	52	---	341	743	89	26	16	10	12
30	48	95	e410	60	---	543	716	89	23	14	10	11
31	54	---	e450	320	---	867	---	52	---	14	10	---
TOTAL	2203	2035	12765	5436	22267	13546	98493	3449	1882	575	372.5	286.2
MEAN	71.1	67.8	412	175	795	437	3283	111	62.7	18.5	12.0	9.54
MAX	285	175	2880	400	3000	1130	10300	509	189	29	19	16
MIN	28	35	49	52	176	163	438	39	23	13	9.7	6.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

	MEAN	314	465	441	530	500	1215	1782	858	365	112	36.8	83.6
MAX	1973	1909	2494	3311	1698	3354	4522	2206	1990	1145	292	1001	
(WY)	1978	1978	1997	1996	1976	1979	1987	1996	2000	1996	2000	1999	
MIN	10.8	12.3	17.4	18.8	59.1	164	141	63.6	18.6	14.0	9.83	9.54	
(WY)	1983	1999	1999	1981	1992	1989	1981	1995	1991	1993	1980	2001	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

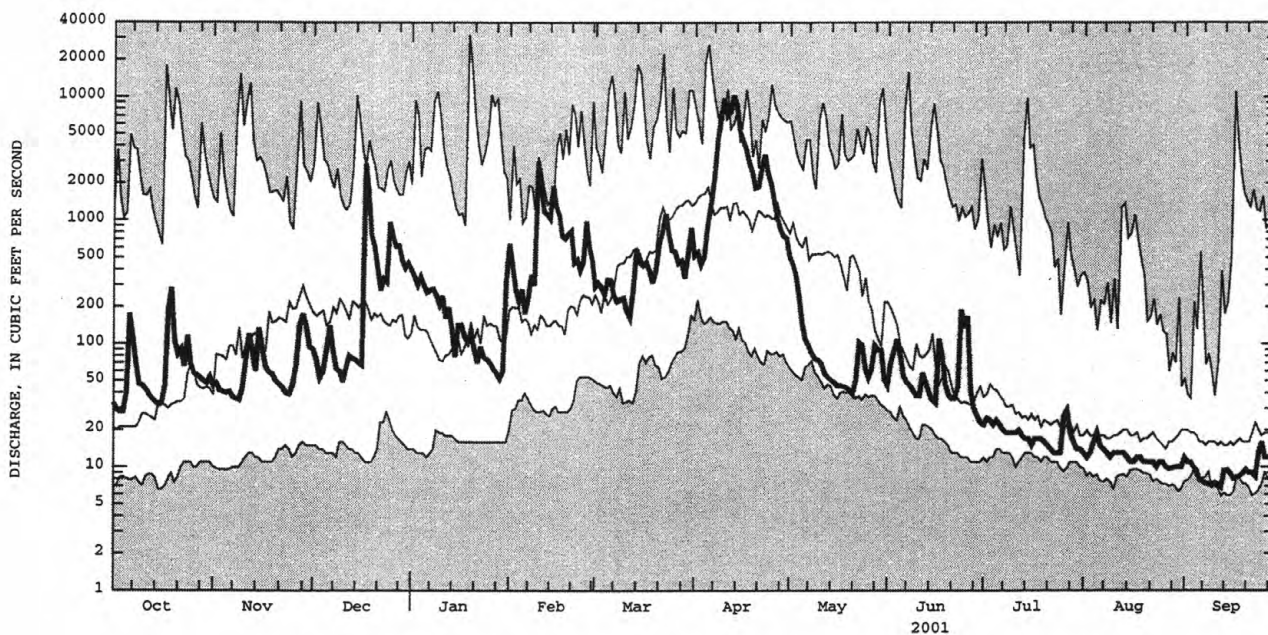
WATER YEARS 1975 - 2001

ANNUAL TOTAL	292767		163309.7										
ANNUAL MEAN	800		447							558			
HIGHEST ANNUAL MEAN										1152		1996	
LOWEST ANNUAL MEAN										89.9		1985	
HIGHEST DAILY MEAN	15800	Jun 7		10300	Apr 13					31600	Jan 19	1996	
LOWEST DAILY MEAN	27	Jul 14		6.9	Sep 13					5.8	Sep 13	1980	
ANNUAL SEVEN-DAY MINIMUM	33	Sep 28		7.3	Sep 7					6.3	Sep 11	1980	
10 PERCENT EXCEEDS	2240			881						1510			
50 PERCENT EXCEEDS	184			69						96			
90 PERCENT EXCEEDS	41			11						14			

e Estimated

HUDSON RIVER BASIN

01350355 SCHOHARIE CREEK AT BREAKABEEN, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

125

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 mi².

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 sea level.

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 mi², 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. National Weather Service telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s, Jan. 20, 1996, gage height, 12.88 ft; minimum, 2.4 ft³/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, 25,100 ft³/s, Apr. 10, gage height, 6.58 ft; minimum, 9.8 ft³/s, Sept. 13, gage height, 0.47 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	196	242	534	e880	e2300	e800	1580	1080	242	127	43	21
2	187	230	453	e900	2070	e700	1400	942	295	191	38	20
3	201	220	e330	e720	1590	e640	1570	845	599	180	35	20
4	205	209	e300	e660	e1000	e600	2070	652	611	150	35	18
5	217	204	e320	e620	e960	e680	2930	573	499	140	37	17
6	661	196	e320	e580	e940	e980	3840	473	390	130	63	15
7	754	191	e430	e560	e940	e800	4950	416	291	112	66	15
8	499	185	e400	e520	e1000	e640	13800	383	238	99	51	14
9	403	177	e360	e480	e1000	e580	18100	349	205	93	41	13
10	336	216	e340	e460	7650	e580	22900	317	179	85	37	12
11	308	359	e360	e450	6260	e540	17400	295	174	85	32	11
12	280	431	e400	e440	e3200	e520	14900	270	515	82	28	11
13	251	419	e500	e430	e2800	e560	20800	242	422	80	27	10
14	214	389	e460	e420	2610	1010	17800	226	282	76	25	14
15	196	493	e480	e410	3360	1090	11100	199	209	69	24	14
16	186	503	e500	e400	2540	1150	7810	176	180	65	23	16
17	215	420	e8600	e400	1870	1170	6330	165	478	68	24	17
18	552	370	8070	e420	e1400	1070	4820	162	574	67	23	16
19	1230	336	2940	e410	e1200	953	3760	153	362	65	22	15
20	739	312	2000	e390	1270	1080	3100	146	243	60	23	14
21	529	302	1560	e400	1650	1420	2770	135	199	53	23	15
22	458	290	1300	e400	e1200	2280	3390	153	175	46	22	14
23	419	261	986	e390	e980	2690	4060	355	213	42	20	15
24	387	e250	958	e380	e960	2240	3540	481	442	38	19	14
25	411	230	934	e370	e960	1930	2710	429	470	35	17	21
26	359	259	1280	e360	1610	1560	2180	299	402	50	17	21
27	325	578	1250	e360	1330	1330	1770	279	329	84	17	27
28	308	654	e1200	e360	e1100	1290	1510	412	187	95	18	31
29	280	604	e1000	e360	---	1100	1330	534	143	75	20	32
30	257	563	e900	e420	---	1310	1200	430	127	58	19	30
31	245	---	e1000	e900	---	1710	---	340	---	48	18	---
TOTAL	11808	10093	40465	15250	55750	35003	205420	11911	9675	2648	907	523
MEAN	381	336	1305	492	1991	1129	6847	384	322	85.4	29.3	17.4
MAX	1230	654	8600	900	7650	2690	22900	1080	611	191	66	32
MIN	186	177	300	360	940	520	1200	135	127	35	17	10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

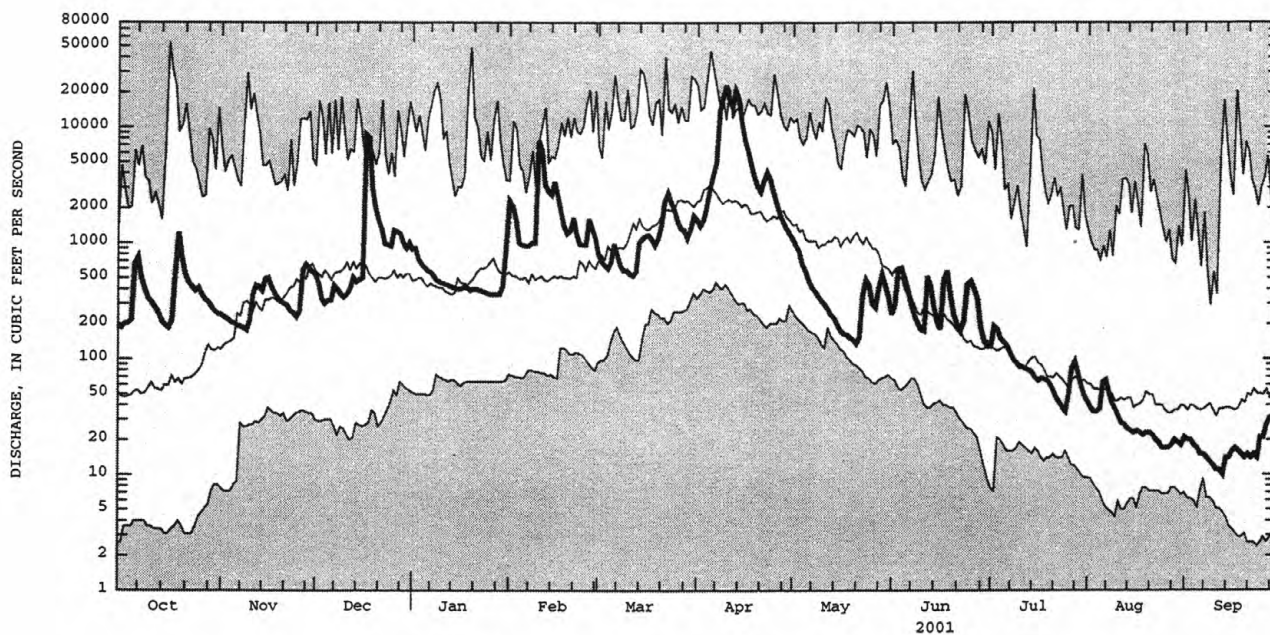
	MEAN	426	770	998	1024	1091	2379	3166	1568	675	239	124	179
MAX	5181	3414	4753	5089	4069	6627	8446	4045	3384	2312	1159	2330	
(WY)	1956	1978	1997	1996	1976	1979	1993	1984	1972	1996	1955	1960	
MIN	4.07	39.6	58.8	71.3	108	525	356	140	48.8	19.4	8.26	4.90	
(WY)	1965	1999	1999	1981	1940	1981	1946	1941	1964	1959	1965	1964	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1940 - 2001
ANNUAL TOTAL	622435	399453	
ANNUAL MEAN	1701	1094	1051
HIGHEST ANNUAL MEAN			2014
LOWEST ANNUAL MEAN			320
HIGHEST DAILY MEAN	30300	22900	54100
LOWEST DAILY MEAN	130	10	2.4
ANNUAL SEVEN-DAY MINIMUM	175	12	2.6
10 PERCENT EXCEEDS	3820	2110	2720
50 PERCENT EXCEEDS	700	387	330
90 PERCENT EXCEEDS	248	22	31

e Estimated

HUDSON RIVER BASIN

01351500 SCHOHARIE CREEK AT BURTONSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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

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

DRAINAGE AREA.--15.6 mi².

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 sea level, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 662 ft³/s, Jan. 19, 1996, from rating curve extended above 150 ft³/s; maximum gage height, 6.36 ft, Jan. 19, 1996 (ice jam); minimum discharge, 0.02 ft³/s, part of each day Aug. 31, Sept. 9-13, 18-20, 2001; minimum gage height, 0.05 ft, Aug. 28, 31, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 230 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1630	a*542	*4.69	Apr. 8	0930	244	3.08

a From rating curve extended above 150 ft³/s.

Minimum discharge, 0.02 ft³/s, part of each day Aug. 31, Sept. 9-13, 18-20; minimum gage height, 0.20 ft, Aug. 31, Sept. 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.7	5.5	13	e9.0	e18	e11	79	9.9	11	43	.44	9.5
2	e3.7	5.4	8.4	e8.8	e16	e9.4	68	8.7	82	29	.39	.19
3	e3.5	5.3	6.8	e8.6	e14	e8.0	71	8.2	61	5.6	.47	.13
4	e4.0	5.2	5.2	e8.6	e12	e7.6	86	7.4	39	4.3	21	.09
5	6.8	5.3	5.3	e8.6	e13	e7.2	88	6.7	19	5.4	11	.14
6	60	5.4	e4.7	e9.0	e12	e6.6	88	5.8	11	2.6	1.9	.05
7	20	5.1	e4.1	e10	e11	e6.2	99	6.0	7.8	1.9	1.1	.04
8	11	4.9	e3.7	e9.6	e10	e6.0	166	6.7	6.0	2.8	.68	.03
9	7.4	5.0	e3.7	e9.4	e12	e6.6	97	6.4	4.8	5.4	.49	.03
10	6.6	35	e4.0	e9.2	e40	e8.0	77	5.7	4.0	2.2	1.4	.02
11	5.7	43	e4.4	e9.4	e28	e11	55	5.4	26	3.5	.88	.03
12	5.0	28	e5.0	e9.0	e24	e15	48	11	53	1.7	.41	.02
13	4.8	17	e5.8	e8.8	e20	e40	42	7.9	14	1.3	.44	.02
14	4.3	29	6.6	e9.0	e24	e35	32	5.8	7.5	1.2	.29	1.7
15	3.8	42	6.9	e9.4	e30	31	28	5.2	5.3	1.0	.21	.13
16	9.3	20	8.3	e10	e27	41	25	4.8	4.8	.86	.18	.05
17	9.6	14	262	e10	e23	38	22	4.8	54	7.1	.43	.04
18	103	12	136	e10	e20	32	19	4.8	13	2.3	.39	.03
19	56	11	56	e10	e17	40	17	4.0	6.3	1.3	.21	.02
20	23	9.2	29	e9.6	18	55	16	3.3	4.5	1.0	.25	.14
21	15	9.0	e22	e8.4	22	61	16	3.2	4.3	.73	.20	3.6
22	11	8.2	e19	e7.4	19	131	17	23	5.0	.62	.12	.19
23	9.3	7.2	e17	e7.2	14	103	15	33	7.4	.55	.09	.09
24	9.1	e6.6	e15	e7.2	11	89	14	26	11	.52	.09	.07
25	8.7	6.2	e14	e7.0	12	74	12	13	5.0	.54	.06	6.8
26	8.1	31	e12	e6.4	e20	55	12	10	3.3	23	.06	.73
27	7.8	43	e11	e6.2	e15	40	12	40	2.5	3.3	.05	.23
28	7.1	18	e10	e6.0	e13	30	12	84	2.0	1.4	.05	.17
29	6.2	11	e9.6	e5.6	---	29	10	59	1.6	.92	.06	.15
30	6.1	15	e9.4	e6.0	---	101	10	22	2.2	.68	.04	.13
31	5.7	---	e9.0	e11	---	105	---	14	---	.56	.23	---
TOTAL	445.3	462.5	726.9	264.4	515	1232.6	1353	455.7	478.3	156.28	43.61	24.56
MEAN	14.4	15.4	23.4	8.53	18.4	39.8	45.1	14.7	15.9	5.04	1.41	.82
MAX	103	43	262	11	40	131	166	84	82	43	21	9.5
MIN	3.5	4.9	3.7	5.6	10	6.0	10	3.2	1.6	.52	.04	.02
CFSM	.92	.99	1.50	.55	1.18	2.55	2.89	.94	1.02	.32	.09	.05
IN.	1.06	1.10	1.73	.63	1.23	2.94	3.23	1.09	1.14	.37	.10	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	10.4	14.8	19.6	20.0	19.4	30.3	38.3	18.8	9.60
MAX	21.0	22.9	37.3	44.1	34.2	41.8	61.5	41.5	16.4
(WY)	1996	1996	1997	1996	1997	1994	1994	1996	1996
MIN	3.05	4.05	8.96	8.53	7.03	19.9	12.4	5.58	3.76
(WY)	1995	1995	1995	2001	1995	1996	1995	1995	1997

SUMMARY STATISTICS

FOR 2001 WATER YEAR

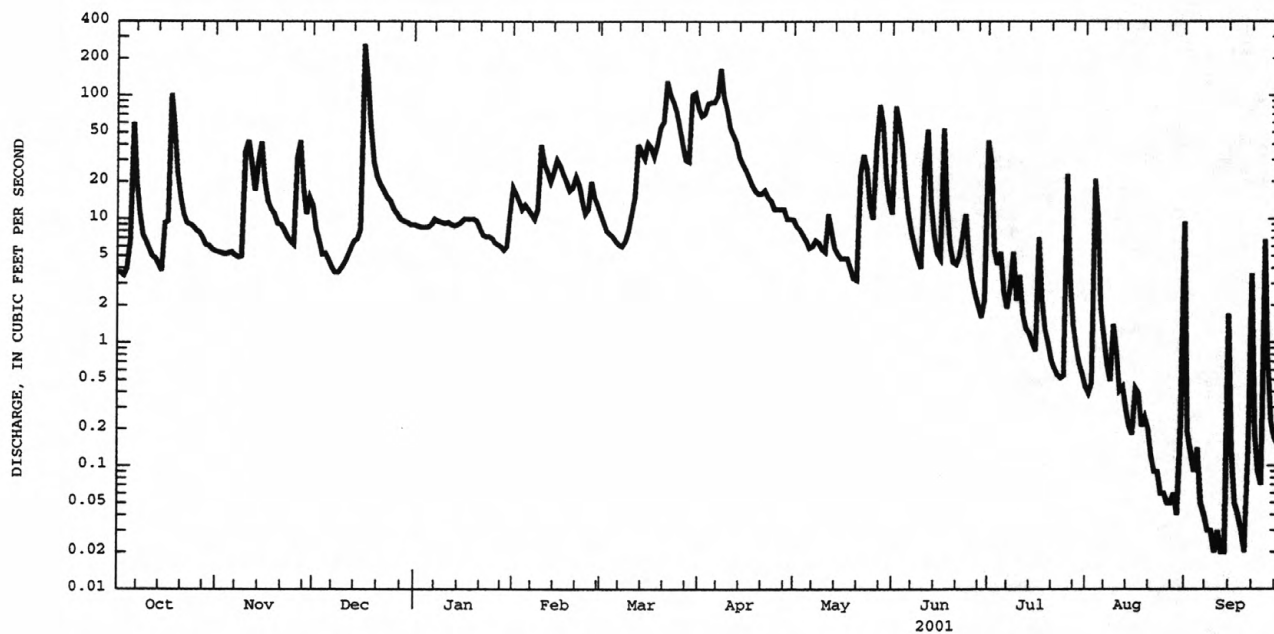
WATER YEARS 1993 - 2001

ANNUAL TOTAL	6158.15	
ANNUAL MEAN	16.9	16.5
HIGHEST ANNUAL MEAN		23.1
LOWEST ANNUAL MEAN		7.74
HIGHEST DAILY MEAN	262	350
LOWEST DAILY MEAN	.02	.02
ANNUAL SEVEN-DAY MINIMUM	.03	.03
ANNUAL RUNOFF (CFSM)	1.08	1.06
ANNUAL RUNOFF (INCHES)	14.68	14.37
10 PERCENT EXCEEDS	42	38
50 PERCENT EXCEEDS	8.2	8.2
90 PERCENT EXCEEDS	.21	1.3

e Estimated

HUDSON RIVER BASIN

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993-97, October 2000 to current year.

CHEMICAL DATA: 1993 (c), 1994-95 (e), 2001 (d).

MINOR ELEMENTS DATA: 1993 (a).

PESTICIDE DATA: 1993 (a), 1994 (d), 1995 (e), 2001 (d).

ORGANIC DATA: OC--1993 (c), 1994-95 (e).

PCB--1993 (a).

PCN--1993 (a).

NUTRIENT DATA: 1993 (c), 1994-95 (e), 2001 (d).

BIOLOGICAL DATA:

Bacteria--1993 (a).

Phytoplankton--1993 (a).

SEDIMENT DATA: 1993 (c), 1994-95 (e), 2001 (d).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: August 1993 to September 1997.

REMARKS.--A sampling method code of 10 indicates an equal-width increment sample, 70 indicates a grab sample. Also published as a Statewide pesticide-monitored site in Volume 3, WDR NY-01.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded (water years 1994-97), 28.5°C, July 14, 15, Aug. 1, 1995; minimum (water years 1994-97), 0.0°C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT													
04...	1440	3.8	70	760	10.8	104	8.3	1130	--	13.5	250	77.7	14.7
NOV													
07...	1400	5.0	10	762	14.4	120	8.4	833	12.5	7.5	260	78.6	15.0
29...	1455	10	10	763	12.6	98	8.1	731	11.0	4.5	220	66.9	13.0
JAN													
04...	1525	e8.6	70	761	13.0	89	7.4	814	-3.0	.0	240	72.2	14.3
29...	1450	e5.6	70	767	14.1	96	7.7	924	3.0	.0	260	81.6	14.8
MAR													
08...	0945	e6.0	70	764	13.2	90	6.8	1400	3.5	.0	270	82.6	15.9
29...	1110	22	70	770	14.8	106	7.9	832	9.0	1.5	220	68.6	12.5
MAY													
02...	1220	9.0	10	759	10.9	116	8.2	914	35.0	18.5	260	78.3	15.2
JUN													
01...	1200	11	10	759	9.3	88	7.9	830	19.0	13.0	240	75.0	13.6
26...	1500	3.3	10	765	7.1	82	8.0	919	--	22.5	260	81.6	14.8
JUL													
31...	1130	.60	10	766	8.8	96	8.1	1030	28.0	20.0	270	80.4	15.6
SEP													
04...	1400	.09	70	757	8.5	90	8.0	903	28.0	18.0	210	64.6	12.1

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT													
04...	2.70	2	77.9	40	207	139	E.2	7.8	35.6	513	<.020	.28	.41
NOV													
07...	2.45	2	72.4	38	200	126	E.1	7.4	33.8	483	<.041	.21	.26
29...	2.24	2	59.5	37	174	107	E.1	8.2	31.9	422	<.041	.22	.34
JAN													
04...	1.87	2	72.6	40	184	125	E.1	9.4	37.9	482	.124	.32	.55
29...	1.95	2	88.4	42	176	163	E.1	8.9	38.1	551	.073	.26	.32
MAR													
08...	2.64	5	179	59	174	327	<.2	7.4	38.4	818	.047	.18	.26
29...	1.81	2	80.4	44	159	--	--	7.0	--	--	<.041	.19	.30
MAY													
02...	2.54	3	92.4	43	181	158	E.1	2.9	33.6	541	<.041	.25	.27
JUN													
01...	2.25	2	76.7	40	166	137	E.2	9.4	32.2	511	.084	.33	.41
26...	2.47	2	90.0	42	160	155	E.1	10.3	28.2	513	<.040	.31	.41
JUL													
31...	2.57	3	103	46	191	187	E.1	7.8	41.1	584	<.040	.26	.43
SEP													
04...	3.09	2	77.8	44	147	139	E.1	7.5	48.7	478	<.040	E.34	.45

e Estimated daily

E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	ACETO- CHLOR, WATER, REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U (UG/L) (82673)
OCT 04...	.301	<.010	.012	<.010	.030	<10	42.8	<.002	<.004	<.002	<.005	E.002	<.010
NOV 07...	.062	<.006	E.005	<.018	.014	30	56.2	<.002	<.004	<.002	<.005	<.007	<.010
29...	.224	E.004	E.004	<.018	.010	20	128	<.002	<.004	<.002	<.005	E.006	<.010
JAN 04...	.489	.011	E.003	<.018	.009	M	266	--	--	--	--	--	--
29...	.414	.007	E.004	<.018	.007	10	233	<.002	<.004	<.002	<.005	<.007	<.010
MAR 08...	.430	.006	E.004	<.018	.010	10	249	<.002	<.004	<.002	<.005	<.007	<.010
29...	.413	<.006	E.005	<.018	.019	40	203	<.002	<.004	<.002	<.005	<.007	<.010
MAY 02...	.176	.007	E.005	<.018	.015	60	126	<.002	<.004	<.002	<.005	<.007	<.010
JUN 01...	.513	.016	.014	E.011	.030	40	96.2	<.002	<.004	<.002	<.005	.008	<.010
26...	.410	.011	.020	.027	.045	20	79.5	<.002	<.004	<.002	<.005	E.006	<.010
JUL 31...	.279	<.006	.020	E.009	.033	10	52.2	<.002	<.004	<.002	<.005	E.004	<.010
SEP 04...	E.298	E.024	E.026	<.020	.046	10	40.3	<.002	<.004	<.002	<.005	<.007	<.010
DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
OCT 04...	<.002	E.014	<.020	<.005	<.018	<.003	<.006	.022	<.005	<.021	<.002	<.009	<.005
NOV 07...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.007	<.005	<.021	<.002	<.009	<.005
29...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.013	<.005	<.021	<.002	<.009	<.005
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
MAR 08...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
29...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	E.003	<.005	<.021	<.002	<.009	<.005
MAY 02...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.012	<.005	<.021	<.002	<.009	<.005
JUN 01...	<.002	E.011	<.020	<.005	<.018	<.003	<.006	.025	<.005	<.021	<.002	<.009	<.005
26...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.025	<.005	<.021	<.002	<.009	<.005
JUL 31...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.053	<.005	<.021	<.002	<.009	<.005
SEP 04...	<.002	E.106	<.020	<.005	<.018	<.003	<.006	.220	<.005	<.021	<.002	<.009	<.005
DATE	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)
OCT 04...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
NOV 07...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
29...	<.003	<.004	<.035	<.027	<.050	<.006	E.001	<.006	<.002	<.007	<.003	<.007	<.002
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
MAR 08...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
29...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
MAY 02...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
JUN 01...	<.003	<.004	<.035	<.027	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.007	<.010
26...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
JUL 31...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
SEP 04...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002

E Estimated

M Presence verified, not quantified

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
OCT 04...	<.010	<.006	<.011	E.008	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
NOV 07...	<.010	<.006	<.011	E.005	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
29...	<.010	<.006	<.011	E.004	<.004	<.010	<.011	<.023	.011	<.016	<.034	<.017	<.005
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
MAR 08...	<.010	<.006	<.011	E.004	<.004	<.010	<.011	<.023	E.004	<.016	<.034	<.017	<.005
29...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	.011	<.016	<.034	<.017	<.005
MAY 02...	<.010	<.006	<.011	E.003	<.004	<.010	<.011	<.023	E.007	<.016	<.034	<.017	<.005
JUN 01...	<.010	<.006	<.011	E.004	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
26...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
JUL 31...	<.010	<.006	<.011	E.008	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
SEP 04...	<.010	<.006	<.011	.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005

DATE	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
OCT 04...	<.002	<.009	91	4
NOV 07...	<.002	<.009	69	4
29...	<.002	<.009	100	77
JAN 04...	--	--	99	74
29...	<.002	<.009	99	42
MAR 08...	<.002	<.009	100	128
29...	<.002	<.009	98	64
MAY 02...	<.002	<.009	91	3
JUN 01...	<.002	<.009	90	13
26...	<.002	<.009	67	29
JUL 31...	<.002	<.009	98	5
SEP 04...	<.002	<.009	85	7

E Estimated

HUDSON RIVER BASIN

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

LOCATION.--Lat 42°47'07", long 73°42'29", Albany County, Hydrologic Unit 02020004, on right bank at Orion Power New York School Street powerplant in Cohoes, and 2.0 mi upstream from mouth. Water-quality sampling site at bridge on State Highway 32, 0.75 mi below gage.
DRAINAGE AREA.--3,450 mi².

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 sea level. 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.--Records fair except those for estimated daily discharges, which are poor. Total flow of Mohawk River equals flow published at Cohoes which includes small diversion for Cohoes water supply, plus flow diverted at Crescent Dam to Barge Canal through Lock 6 (see 01357499 Diversion from Mohawk River at Crescent Dam). Prior to 1926 records published as total flow. See Diversions in Hudson River Basin for regulation and diversions upstream from this station. Telephone gage-height telemeter at station.

COOPERATION.--Diversions through Barge Canal at Lock 6 provided by New York State Department of Transportation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 143,000 ft³/s, Mar. 6, 1964, result of release from ice jam, gage height, 23.15 ft; minimum discharge (water years 1918-90), 6 ft³/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 ft³/s (from New York State Museum Bulletin 85).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 41,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	0245	51,200	17.49	Apr. 14	0700	56,600	17.95
Apr. 10	1215	*75,000	*19.33				

Minimum discharge not determined.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2090	1820	7840	e3200	4520	6380	11900	1330	3760	3250	1360	1150
2	1620	2420	6640	e3400	e6200	5650	11000	129	5610	2260	1100	718
3	2450	2010	5010	3620	e5600	5340	10300	3410	6410	3440	994	947
4	1740	3080	3830	3930	e4600	4450	11900	2050	6990	1980	1340	1350
5	2080	2240	3340	4300	e4000	3890	16000	4710	6350	2870	1090	892
6	3250	2930	3200	4170	3990	3690	20800	4750	6010	2340	812	450
7	6610	1540	e3100	4200	4040	4130	23200	3060	3650	2320	1060	959
8	4390	2850	3100	4880	4050	e4200	42900	3010	3780	2410	832	612
9	2860	2270	3970	4850	3850	e230	61400	3390	3000	2250	861	778
10	2240	3130	4190	e4400	5380	4740	69700	2400	2600	1390	577	696
11	2710	5760	4120	3990	12700	4780	63000	1700	2580	2430	1260	748
12	2420	3840	4050	e4100	11900	4340	45100	2360	5670	1560	1590	557
13	1780	3890	3630	e4200	9650	4410	52000	1900	5570	1630	935	454
14	2610	4980	3800	3290	8370	4920	51500	2710	3600	1560	760	907
15	1910	4020	3220	3220	7590	6070	37300	2300	3000	1420	361	525
16	1840	3970	3610	3470	8610	6200	27500	2380	2830	1350	705	882
17	4490	5110	12900	3120	8090	6580	22900	2260	4760	1900	1350	625
18	7560	4190	40200	e3200	6380	6390	19800	1550	4640	1680	463	394
19	14500	4380	19300	3320	5400	5720	16700	1930	3530	1820	1520	555
20	8820	3320	13500	3300	5530	5840	14200	1370	3450	1450	1000	404
21	5100	7150	9880	3060	5770	6820	12200	1300	2310	1520	1940	761
22	5080	7610	7630	3020	5900	10200	13000	1780	2960	1330	974	821
23	3570	4240	5870	2830	5330	16800	17700	6140	8860	1450	1010	915
24	2180	3180	e5400	2870	5210	17200	21100	7780	21000	1300	819	622
25	2740	3160	e4000	2810	5730	15000	22800	5080	20300	1300	667	1750
26	2650	3330	3410	e2800	5690	11700	19900	3340	14900	1620	891	3860
27	2820	7850	3780	2690	7690	8800	15700	4660	10200	1630	1010	2720
28	3160	9580	e3900	2660	7240	7610	8770	4930	4580	1580	1330	1760
29	3040	9810	3770	2650	---	6700	9070	4930	3630	1700	244	2670
30	2820	10500	e3500	2540	---	7550	8440	4580	3730	1510	268	2230
31	2630	---	3100	2710	---	9710	---	4590	---	1270	643	---
TOTAL	113760	134160	206790	106800	179010	220040	777780	97809	180260	57520	29766	32712
MEAN	3670	4472	6671	3445	6393	7098	25930	3155	6009	1855	960	1090
MAX	14500	10500	40200	4880	12700	17200	69700	7780	21000	3440	1940	3860
MIN	1620	1540	3100	2540	3850	3690	8440	129	2310	1270	244	394

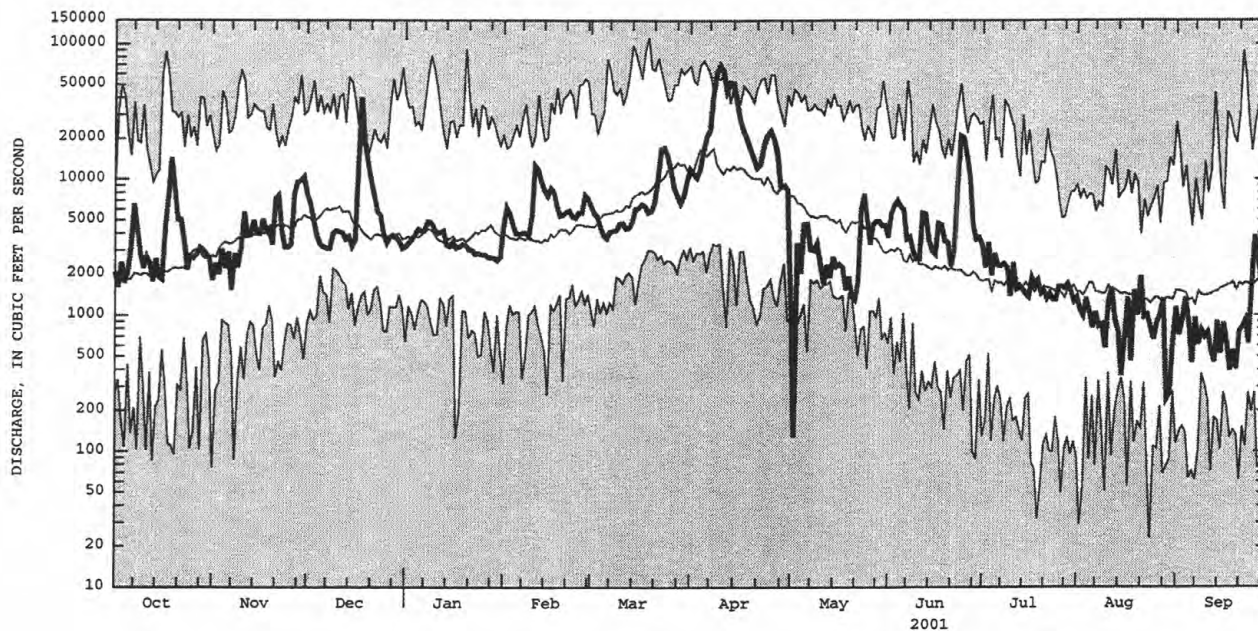
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2001, BY WATER YEAR (WY)

MEAN	3335	5457	6297	5752	5771	11110	13950	6820	3595	2354	1727	2278
MAX	13950	14090	16340	16400	15810	28580	32280	17320	14290	8779	5138	9345
(WY)	1978	1928	1997	1998	1976	1936	1993	1943	1972	1935	2000	1938
MIN	731	842	1841	1017	1314	3723	3530	1835	1121	671	605	740
(WY)	1965	1931	1931	1931	1931	1940	1995	1995	1941	1941	1941	1995

e Estimated

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1926 - 2001	
ANNUAL TOTAL	2958050		2136407		5697	
ANNUAL MEAN	8082		5853		8270	
HIGHEST ANNUAL MEAN					3017	
LOWEST ANNUAL MEAN					112000	
HIGHEST DAILY MEAN	53500	Jun 7	69700	Apr 10	23	Mar 19 1936
LOWEST DAILY MEAN	1100	Sep 30	129	May 2	458	Aug 24 1941
ANNUAL SEVEN-DAY MINIMUM	1860	Jul 8	592	Sep 15	13100	Aug 24 1995
10 PERCENT EXCEEDS	18100		11900		3330	
50 PERCENT EXCEEDS	4520		3470		1140	
90 PERCENT EXCEEDS	2260		942			



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

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

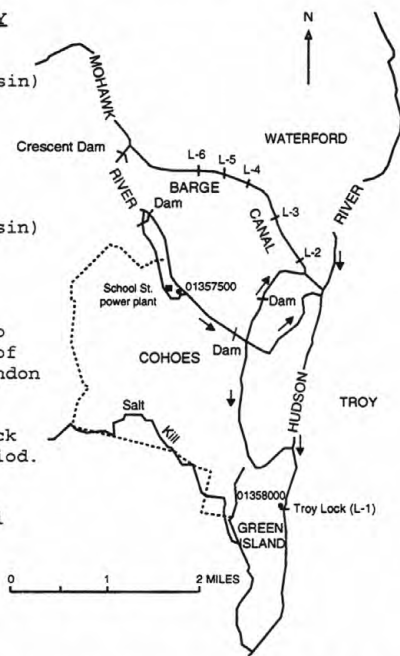
REVISED RECORDS.--WDR NY-96-1: 1995.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	85	3.0	3.0	3.0	3.0	3.0	73	133	145	145	151
2	121	79	3.0	3.0	3.0	3.0	3.0	85	115	139	79	211
3	115	97	3.0	3.0	3.0	3.0	3.0	85	127	145	163	163
4	139	79	3.0	3.0	3.0	3.0	3.0	85	127	157	127	139
5	121	97	3.0	3.0	3.0	3.0	3.0	73	151	163	175	133
6	109	91	3.0	3.0	3.0	3.0	3.0	73	127	163	145	139
7	127	85	3.0	3.0	3.0	3.0	3.0	121	157	193	115	121
8	115	85	3.0	3.0	3.0	3.0	3.0	121	133	163	127	163
9	109	97	3.0	3.0	3.0	3.0	3.0	121	133	121	127	175
10	109	79	3.0	3.0	3.0	3.0	3.0	115	109	151	115	121
11	91	91	3.0	3.0	3.0	3.0	3.0	133	121	145	181	109
12	115	79	3.0	3.0	3.0	3.0	3.0	139	151	151	145	97
13	103	97	3.0	3.0	3.0	3.0	3.0	115	139	145	133	103
14	139	85	3.0	3.0	3.0	3.0	3.0	109	163	115	121	139
15	127	91	3.0	3.0	3.0	3.0	3.0	121	145	181	133	127
16	91	103	3.0	3.0	3.0	3.0	3.0	115	157	115	133	151
17	133	91	3.0	3.0	3.0	3.0	3.0	97	145	109	115	91
18	103	79	3.0	3.0	3.0	3.0	3.0	127	133	145	151	121
19	85	91	3.0	3.0	3.0	3.0	3.0	139	127	145	193	133
20	97	79	3.0	3.0	3.0	3.0	73	127	121	145	139	121
21	103	79	3.0	3.0	3.0	3.0	73	109	133	169	133	121
22	91	91	3.0	3.0	3.0	3.0	73	121	133	169	127	133
23	127	73	3.0	3.0	3.0	3.0	73	115	121	157	121	133
24	85	73	3.0	3.0	3.0	3.0	85	115	85	157	169	133
25	97	73	3.0	3.0	3.0	3.0	73	133	109	157	139	109
26	109	73	3.0	3.0	3.0	3.0	73	115	127	127	175	127
27	97	85	3.0	3.0	3.0	3.0	73	109	139	139	115	127
28	79	79	3.0	3.0	3.0	3.0	73	91	121	157	145	103
29	79	79	3.0	3.0	---	3.0	73	109	163	157	139	127
30	91	73	3.0	3.0	---	3.0	79	115	175	103	115	175
31	97	---	3.0	3.0	---	3.0	---	115	---	121	127	---
TOTAL	3337	2538	93.0	93.0	84.0	93.0	878.0	3421	4020	4549	4267	3996
MEAN	108	84.6	3.00	3.00	3.00	3.00	29.3	110	134	147	138	133
MAX	139	103	3.0	3.0	3.0	3.0	85	139	175	193	193	211
MIN	79	73	3.0	3.0	3.0	3.0	3.0	73	85	103	79	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.

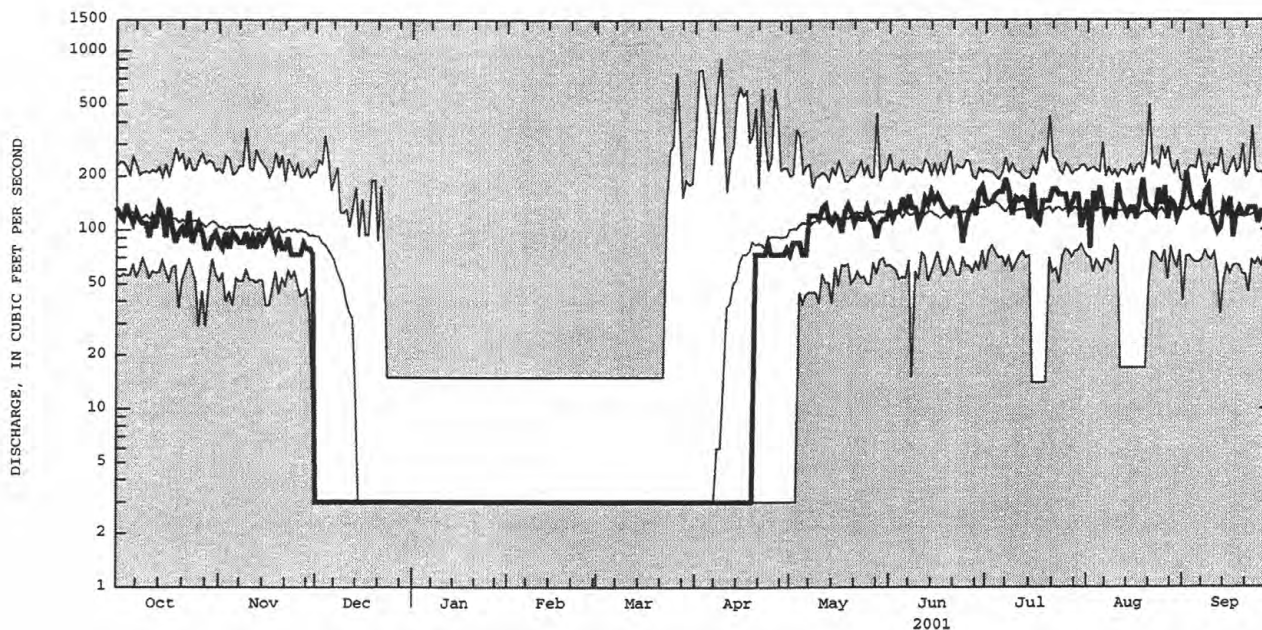
01357500 MOHAWK RIVER AT COHOES, NY--Continued

Statistics and hydrograph for Diversion (01357499)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2001, BY WATER YEAR (WY)

MEAN	121	109	33.1	3.39	3.39	7.08	67.1	119	127	133	131	127
MAX	203	180	73.0	15.0	15.0	35.9	141	175	186	186	196	203
(WY)	1937	1939	1977	1934	1934	1965	1951	1939	1937	1936	1936	1936
MIN	75.4	66.0	3.00	3.00	3.00	3.00	3.00	70.4	85.8	92.2	93.2	81.2
(WY)	1963	1993	1997	1935	1935	1936	1992	1963	1960	1927	1962	1962

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1926 - 2001	
ANNUAL TOTAL	27494.0		27369.0			
ANNUAL MEAN	75.1		75.0		82.0	
HIGHEST ANNUAL MEAN					122	
LOWEST ANNUAL MEAN					57.8	
HIGHEST DAILY MEAN	199	Jul 2	211	Sep 2	913	Apr 9 1967
LOWEST DAILY MEAN	3.0	Jan 1	3.0	Dec 1	3.0	Dec 18 1934
ANNUAL SEVEN-DAY MINIMUM	3.0	Jan 1	3.0	Dec 1	3.0	Dec 18 1934
10 PERCENT EXCEEDS	145		147		156	
50 PERCENT EXCEEDS	85		91		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.

HUDSON RIVER BASIN

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-59, 1970, 1976-79, June 1988 to current year.

CHEMICAL DATA: 1955, 1957 (a), 1958-59 (b), 1970 (a), 1977 (c), 1978-79 (d), 1988 (a), 1989 (c), 1990 (d), 1991 (c), 1992 (a), 1993 (c), 1994 (d), 1995 (e), 1996 (d), 1997-2000 (e), 2001 (d).

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).

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).

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), 1997-2001 (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, 50 indicates a sample collected at one point in the cross section. Particulate-organic-carbon samples were filtered using a 0.7-micron glass-fiber filter.

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 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	PH WATER FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS Ca) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg) (00925)
OCT													
03...	1410	2380	10	760	8.9	92	7.7	354	26.5	16.5	130	41.5	7.23
NOV													
06...	1350	2540	10	765	10.5	91	7.8	298	16.0	9.0	120	37.3	6.43
28...	1400	9360	10	766	14.1	102	8.0	342	9.0	2.0	130	40.5	7.19
JAN													
03...	1025	3310	50	--	--	--	7.7	309	-3.0	--	120	39.2	6.36
29...	1340	2600	50	770	13.8	94	7.4	387	6.0	.0	140	44.8	7.84
MAR													
15...	0950	5770	10	764	14.2	97	7.6	420	17.0	.0	130	38.9	6.80
APR													
03...	1135	10000	10	768	13.8	102	7.9	390	11.0	2.5	130	40.8	7.10
MAY													
09...	1010	3410	10	771	8.2	85	7.7	216	20.0	17.0	78	24.9	3.89
JUN													
08...	1035	3140	10	760	8.6	92	7.6	258	30.0	18.0	99	30.9	5.34
29...	1045	3550	50	768	8.1	92	7.8	208	23.0	21.5	84	26.8	4.09
AUG													
01...	1000	1590	50	774	7.7	94	7.9	336	24.0	26.0	120	36.1	7.01
SEP													
05...	1040	327	50	768	6.6	78	7.5	346	21.5	22.5	120	35.6	7.34

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT													
03...	1.72	.6	15.3	20	115	22.1	E.1	4.6	22.9	204	.021	.27	.37
NOV													
06...	1.76	.5	13.4	19	104	18.8	E.1	4.8	18.3	178	.069	.31	.37
28...	1.34	.7	18.3	23	110	24.8	E.1	4.9	21.8	201	E.039	.20	.39
JAN													
03...	1.40	.5	13.9	19	98	22.2	E.1	5.4	19.8	182	.078	.26	.35
29...	1.35	.9	23.9	26	102	40.6	E.1	5.6	24.7	242	.135	.39	.41
MAR													
15...	1.23	1	34.9	38	103	60.1	<.2	4.2	20.3	245	.083	.24	.85
APR													
03...	1.44	1.0	25.7	30	104	44.7	E.1	4.0	17.9	227	.085	.32	.52
MAY													
09...	.85	.5	11.0	23	59	17.8	<.2	3.4	13.7	126	.075	.34	.33
JUN													
08...	1.01	.6	13.2	22	72	20.5	<.2	--	16.3	163	E.031	.25	.30
29...	1.36	.4	9.0	19	68	12.5	E.1	4.7	11.1	123	.061	.33	.36
AUG													
01...	1.44	.8	18.9	25	96	30.3	E.1	1.9	22.2	182	.071	.36	.40
SEP													
05...	1.53	.8	20.1	27	82	33.6	E.1	3.8	27.6	198	E.101	E.38	.47
DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR ESA FLTRD 0.7 U GF REC (UG/L) (61029)	ACETO- CHLOR OA FLTRD 0.7 U GF REC (UG/L) (61030)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR OA FLTRD 0.7 U GF REC (UG/L) (61031)	ALA- CHLOR, (ESA) WAT FLT 0.7 U GF REC (UG/L) (50009)
OCT													
03...	.622	.011	.042	.033	.041	20	8.1	<.002	<.05	<.05	<.004	<.05	<.050
NOV													
06...	.494	.011	.038	.027	.037	70	27.2	<.002	<.05	<.05	<.004	<.05	<.050
28...	.569	.010	.024	.023	.034	60	33.7	<.002	<.05	<.05	<.004	<.05	<.050
JAN													
03...	.869	.017	.027	.025	.034	40	26.7	<.002	<.05	<.05	<.004	<.05	<.050
29...	.840	.030	.038	.033	.032	40	30.6	<.002	<.05	<.05	<.004	<.05	<.050
MAR													
15...	.854	.008	.022	E.015	.037	40	38.7	<.002	<.05	<.05	<.004	<.05	<.050
APR													
03...	.805	.009	.016	E.009	.038	30	34.9	<.002	<.05	<.05	<.004	<.05	<.050
MAY													
09...	.688	.017	.024	<.018	.043	50	73.9	<.002	<.05	<.05	<.004	<.05	<.050
JUN													
08...	.507	.010	.026	E.012	.035	--	--	<.002	<.05	<.05	<.004	<.05	<.050
29...	.663	.024	.035	.030	.060	70	21.9	<.002	<.05	<.05	<.004	<.05	.100
AUG													
01...	.324	.022	.025	E.013	.029	20	15.9	<.002	<.05	<.05	<.004	<.05	<.050
SEP													
05...	E.220	E.021	E.035	E.019	.038	30	26.0	<.002	<.05	<.05	<.004	<.05	<.050

E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DISS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DISS- SOLVED (UG/L) (39572)	DI- ELDRIN DISS- SOLVED (UG/L) (39381)
OCT													
03...	<.002	<.005	.014	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.010	.006	<.005
NOV													
06...	<.002	<.005	.009	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.010	E.004	<.005
28...	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.007	<.005	<.005
JAN													
03...	<.002	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.006	<.005	<.005
29...	<.002	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.006	<.005	<.005
MAR													
15...	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.006	<.005	<.005
APR													
03...	<.002	<.005	.008	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.007	.005	<.005
MAY													
09...	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.004	<.005	<.005
JUN													
08...	<.002	<.005	.083	<.010	<.002	<.041	<.020	<.005	E.009	<.003	E.013	<.005	<.005
29...	<.002	<.005	.206	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.054	<.005	<.005
AUG													
01...	<.002	<.005	.038	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.012	<.005	<.005
SEP													
05...	<.002	<.005	.016	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.007	E.004	<.005
DATE	DIMETH- ENAMID OXA, WATER FLT, REC (UG/L) (62482)	DIMETH- ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUFEN- ACET, ESA, WAT FLT (UG/L) (61952)	FLUFE- NACET OXA WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)
OCT													
03...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
NOV													
06...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
28...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
JAN													
03...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
29...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
MAR													
15...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
APR													
03...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
MAY													
09...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
JUN													
08...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
29...	<.0500	<.05	<.021	<.005	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
AUG													
01...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050
SEP													
05...	<.0500	<.05	<.021	<.002	<.009	<.005	<.05	<.0500	<.003	<.004	<.035	<.027	<.050

E Estimated

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	METHYL- PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA- CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA- CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENSOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
OCT 03...	<.006	.18	.07	E.011	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
NOV 06...	<.006	.17	<.05	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
28...	<.006	.16	<.05	E.006	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
JAN 03...	<.006	.09	<.05	E.003	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
29...	<.006	.12	<.05	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
MAR 15...	<.006	.12	<.05	E.004	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
APR 03...	<.006	.12	.05	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
MAY 09...	<.006	.08	<.05	E.006	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
JUN 08...	<.006	.11	<.05	.059	<.006	<.002	<.007	<.003	<.007	<.020	<.010	<.006	<.011
29...	<.006	.27	.23	.220	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
AUG 01...	<.006	.05	<.05	.020	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
SEP 05...	<.006	.13	<.05	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 03...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	88
NOV 06...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	98
28...	E.002	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	99
JAN 03...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	98
29...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	99
MAR 15...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	98
APR 03...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	98
MAY 09...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	94
JUN 08...	<.015	<.004	<.010	<.011	<.023	E.010	<.016	<.034	<.017	<.005	<.002	<.009	80
29...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	99
AUG 01...	E.003	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	89
SEP 05...	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	88
DATE	SEDI- MENT, SUS- PENDE (MG/L) (80154)												
OCT 03...	2												
NOV 06...	18												
28...	22												
JAN 03...	20												
29...	27												
MAR 15...	34												
APR 03...	36												
MAY 09...	9												
JUN 08...	5												
29...	11												
AUG 01...	1												
SEP 05...	1												

E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SAMPLER TYPE (CODE) (84164)
OCT								
18...	2050	9490	50	--	--	--	13	4115
19...	0140	16200	50	--	--	--	19	4115
19...	1000	11000	50	--	--	--	14	4115
19...	2040	11100	50	--	--	--	13	4115
NOV								
21...	1715	9870	50	--	--	--	14	4115
DEC								
15...	1020	2960	50	--	--	--	5	4115
16...	1525	4530	50	--	--	--	4	4115
17...	1105	5440	50	--	--	--	6	4115
17...	1655	18200	50	--	--	--	62	4115
17...	1850	23400	50	--	--	--	78	4115
17...	2115	34400	50	--	--	--	114	4115
17...	2210	37400	50	--	--	--	123	4115
18...	0600	50900	50	--	--	--	417	4115
18...	1430	37900	50	--	--	--	376	4115
18...	2030	29000	50	--	--	--	316	4115
19...	0430	22300	50	--	--	--	241	4115
19...	1025	19400	50	--	--	--	193	4115
19...	2200	15400	50	--	--	--	137	4115
20...	0925	13100	50	--	--	--	82	4115
20...	2330	11600	50	--	--	--	54	4115
21...	2250	9110	50	--	--	--	29	4115
23...	1940	6190	50	--	--	--	15	4115
FEB								
26...	1535	5250	50	2.8	.3	--	4	4115
26...	2245	6820	50	2.7	.3	--	3	4115
27...	0645	7830	50	2.7	.5	--	4	4115
27...	1445	7700	50	2.6	.3	--	3	4115
27...	2245	7630	50	2.6	.3	--	4	4115
28...	0645	7760	50	2.6	.3	--	3	4115
28...	1445	6850	50	2.5	E1.1	--	5	4115
28...	2245	6820	50	2.5	.2	--	4	4115
MAR								
01...	0645	6880	50	2.5	.3	--	3	4115
01...	2245	6130	50	2.6	.3	--	4	4115
02...	1445	5280	50	2.5	.3	--	5	4115
03...	0645	5360	50	2.5	.3	--	4	4115
03...	2245	5380	50	2.5	--	--	4	4115
04...	1445	4580	50	2.5	.3	--	3	4115
05...	0025	3880	50	2.5	.2	--	4	4115
15...	0955	5960	50	--	--	--	4	4115
APR								
03...	1115	10000	50	--	--	84	11	4115
08...	1350	45200	50	--	--	96	113	4115
08...	1425	46600	10	--	--	88	137	3036
08...	1430	46600	50	--	--	96	115	4115
08...	2130	61100	50	--	--	96	288	4115
09...	0635	65300	50	--	--	96	440	4115
09...	1005	62900	50	--	--	96	429	4115
09...	1035	62400	50	--	--	97	416	4115
09...	1040	62700	10	--	--	96	457	3036
09...	1100	64000	50	--	--	96	420	4115
09...	1800	57500	50	--	--	96	367	4115
09...	2240	59900	50	--	--	96	306	4115
10...	0630	70900	50	--	--	91	381	4115
10...	1035	72600	50	--	--	87	410	4115
10...	1710	70400	50	--	--	92	439	4115
10...	2125	68400	50	--	--	92	408	4115
11...	0615	68400	50	--	--	92	331	4115
11...	2115	52400	50	--	--	92	213	4115
12...	1905	43700	50	--	--	94	106	4115
13...	0755	52600	50	--	--	93	104	4115
14...	0720	56300	50	--	--	94	180	4115
15...	1025	39300	50	--	--	95	111	4115
16...	0930	28000	50	--	--	96	66	4115
17...	1040	22800	50	--	--	96	38	4115
19...	0810	17400	50	--	--	99	57	4115

E Estimated

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 mi², 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 sea level (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, October 2000 through September 2001, 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 ft³/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 ft³/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 102,000 ft³/s, Dec. 18, Apr. 10; maximum gage height, 22.82 ft, Dec. 18; minimum discharge not determined; minimum gage height, 14.41 ft, Dec. 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6400	e7600	e15000	e13800	e9800	e11600	e21100	e16400	e14100	e10900	e4700	e4200
2	e7200	e7800	e13500	e13200	e11600	e11200	e19800	e13900	e17400	e12100	e2800	e4000
3	e6400	e7500	e11500	e12900	e11000	e10500	e18400	e16300	e21700	e13400	e3500	e3200
4	e5400	e7300	e9600	e12400	e9700	e9400	e20600	e14700	e24400	e11100	e4400	e5400
5	e6300	e7800	e8900	e12800	e8700	e8900	29000	e17000	e21100	e13400	e5100	e3600
6	e9100	e8100	e8100	e12300	e8400	e8100	35000	e16400	e19700	e11200	e4100	e3400
7	e11000	e6700	e8400	e12400	e8800	e8800	38200	e12600	e15700	e10100	e3900	e3300
8	e10400	e8400	e8300	e12500	e8700	e9200	63400	e12800	e14900	e8800	e3600	e3500
9	e8700	e8600	e8800	e12000	e8800	e9900	86100	e13300	e13300	e8200	e3500	e3500
10	e6500	e8400	e9000	e11900	e11800	e10000	95900	e11900	e12600	e6400	e3400	e3100
11	e7800	e12000	e9100	e11600	e20100	e10400	92800	e8600	e11200	e9600	e4600	e3100
12	e7300	e11500	e9000	e11300	e18600	e10100	74400	e9500	e14600	e6700	e4500	e3400
13	e6700	e11600	e9200	e12100	e16000	e10400	82300	e9100	e14200	e5300	e3300	e3400
14	e7300	e11500	e10000	e10600	e15000	e11700	87900	e9500	e12500	e5300	e3800	e3600
15	e6000	e12900	e8400	e10000	e14900	e12600	74400	e9900	e10600	e5200	e2600	e3800
16	e6600	e11900	e8200	e10200	e15600	e14100	61200	e8700	e10700	e5700	e3700	e3200
17	e9600	e12700	30500	e9900	e14700	e14800	53500	e7800	e12300	e6500	e3700	e3000
18	e13600	e12000	89600	e10400	e12400	e14400	48500	e6800	e14000	e5800	e2800	e3300
19	e23700	e11700	52000	e9900	e11000	e13400	42100	e6400	e12600	e4700	e4100	e3100
20	e17200	e10400	36300	e9900	e11000	e13700	e34300	e5900	e11800	e4800	e4600	e3300
21	e12900	e13000	26700	e10000	e11800	e15400	e30900	e6300	e10500	e3900	e4800	e3800
22	e12700	e14500	21400	e9600	e11600	e22000	e34800	e6000	10900	e4900	e3500	e3700
23	e10200	e10700	17400	e9500	e11300	e32200	e48500	e10800	15400	e5000	e3400	e4000
24	e8900	e9300	16100	e8700	e11000	e29200	e55100	e14700	29600	e4000	e3800	e4400
25	e9300	e8700	e14800	e7500	e11500	e25000	e57700	e13800	31600	e3700	e3200	e4600
26	e9200	e8400	e13800	e7100	e11900	e20600	e51700	e12200	27500	e4100	e3300	e8300
27	e7200	e13600	e13600	e6700	e13500	e17900	e42000	e14800	20500	e5100	e2900	e7500
28	e9300	e17200	e13300	e7100	e12700	e15600	e31100	e17900	15700	e5100	e4900	e5000
29	e8600	e17000	e13600	e6800	---	e14100	e28800	e17900	12100	e4600	e2400	e6300
30	e8300	e18000	e13800	e6600	---	e16300	e24700	e16300	11400	e4300	e2600	e5600
31	e8600	---	e13000	e7300	---	e19900	---	e15800	---	e4400	e3200	---
TOTAL	288400	326800	540900	319000	341900	451400	1484200	374000	484600	214300	114700	123600
MEAN	9303	10890	17450	10290	12210	14560	49470	12060	16150	6913	3700	4120
MAX	23700	18000	89600	13800	20100	32200	95900	17900	31600	13400	5100	8300
MIN	5400	6700	8100	6600	8400	8100	18400	5900	10500	3700	2400	3000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2001, BY WATER YEAR (WY)

MEAN	9025	13090	15120	13480	14070	21960	31140	18950	10170	6736	5783	6418
MAX	30140	26150	34940	33970	31260	44240	61820	40520	29630	18380	14630	17030
(WY)	1978	1973	1997	1949	1976	1979	1993	1972	1972	1972	1976	1975
MIN	2967	3270	6096	4187	4527	9123	9073	5505	3573	3082	2912	2875
(WY)	1965	1965	1965	1961	1980	1965	1995	1987	1965	1965	1965	1964

SUMMARY STATISTICS

FOR 2001 WATER YEAR

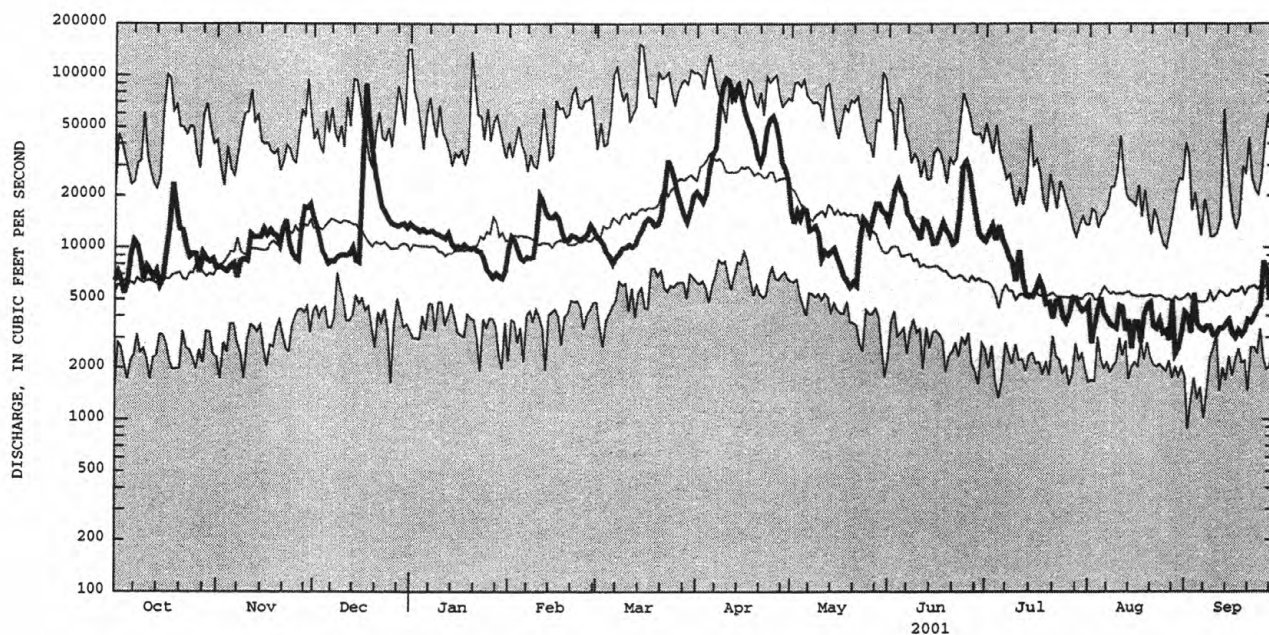
WATER YEARS 1946 - 2001

ANNUAL TOTAL	5063800		
ANNUAL MEAN	13870		
HIGHEST ANNUAL MEAN		22100	1976
LOWEST ANNUAL MEAN		6386	1965
HIGHEST DAILY MEAN	95900	Apr 10	152000
LOWEST DAILY MEAN	2400	Aug 29	882
ANNUAL SEVEN-DAY MINIMUM	3210	Aug 25	2110
10 PERCENT EXCEEDS	24800		29400
50 PERCENT EXCEEDS	10400		9490
90 PERCENT EXCEEDS	3760		4290

e Estimated

HUDSON RIVER BASIN

01358000 HUDSON RIVER AT GREEN ISLAND, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01359139 HUDSON RIVER AT ALBANY, NY

LOCATION.--Lat 42°38'53", long 73°44'50", Albany County, Hydrologic Unit 02020006, on right bank 0.3 mi upstream from bridge on U.S. Highways 9 and 20 in Albany, and 0.5 mi downstream from the Conrail railroad bridge.

DRAINAGE AREA.--8,288 mi².

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 10.00 ft below sea level (levels by Corps of Engineers). Gage-height record converted to elevation above or below (-) mean sea level for publication.

REMARKS.--National Weather Service telephone gage-height 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 ft³/s (estimated, tide affected) from information provided by Board of Hudson River-Black River Regulating District.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 8.55 ft, Dec. 17; minimum, -3.88 ft, Dec. 13.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	4.59	-1.55	1.70	3.85	-1.72	1.28	4.27	-1.43	1.34	2.15	-.88	.56
2	4.61	-1.37	1.66	4.19	-1.23	1.62	3.35	-1.05	1.19	2.69	-.39	1.25
3	4.45	-.96	1.78	4.52	-.59	1.96	3.45	-1.59	.98	2.82	.02	1.55
4	4.43	-1.03	1.48	4.38	-.70	1.76	3.15	-1.41	.92	3.13	.38	1.75
5	4.22	-1.18	1.23	3.19	-.83	1.25	3.78	-1.41	1.44	3.41	.20	1.89
6	4.21	-.42	1.87	3.25	-1.55	1.06	2.41	-2.37	.34	4.10	.79	2.34
7	3.25	-1.05	1.52	3.86	-1.20	1.26	4.03	-2.07	1.02	3.91	.17	2.03
8	4.15	-1.18	1.30	4.49	-.89	1.91	4.09	-2.14	.92	4.24	.55	2.39
9	3.85	-1.44	1.13	4.76	-1.10	1.98	4.16	-1.94	1.27	4.45	.48	2.48
10	4.12	-1.19	1.55	5.95	-.35	2.81	4.52	-1.88	1.39	3.54	.06	1.84
11	4.12	-2.68	.76	4.87	-1.19	2.08	4.70	-1.75	1.55	4.10	-.19	2.03
12	3.91	-2.10	1.02	4.97	-1.43	1.89	5.39	-.42	2.27	3.74	-.10	1.85
13	4.19	-1.98	1.35	5.35	-1.05	2.32	3.64	-3.88	-.02	4.20	.24	2.22
14	4.42	-1.90	1.36	5.58	-1.03	2.47	5.11	-2.14	1.73	3.61	.25	2.04
15	4.20	-1.89	1.41	4.55	-1.18	1.92	4.04	-2.82	.70	3.53	-.01	1.77
16	4.85	-1.92	1.58	4.81	-1.54	1.53	4.62	-1.93	1.34	3.95	.33	2.04
17	5.11	-1.03	2.09	4.03	-1.18	1.64	8.55	-.66	3.98	3.15	-.43	1.29
18	5.20	-.64	2.32	4.03	-1.87	.95	8.22	3.89	6.18	3.35	-.61	1.47
19	4.56	-.42	2.26	3.87	-1.52	1.25	5.15	1.01	3.06	3.89	.01	1.94
20	4.61	-.82	1.92	4.19	-1.53	1.64	5.32	-.12	2.46	3.43	-.06	1.71
21	4.50	-1.13	1.55	4.56	-1.43	1.41	4.18	-1.46	1.43	3.27	-.28	1.83
22	2.80	-1.77	1.00	3.79	-2.19	.79	4.79	-1.32	1.71	3.64	-.52	1.49
23	4.19	-1.72	1.35	3.29	-2.49	.65	3.80	-2.37	.90	3.41	-.29	1.61
24	4.52	-1.47	1.62	4.37	-2.02	1.24	4.61	-1.72	1.35	3.86	-.08	1.82
25	4.23	-1.81	1.39	4.41	-1.99	1.33	3.64	-2.38	.47	3.78	.08	1.88
26	4.82	-1.63	1.82	5.43	-1.40	2.15	2.98	-2.63	.55	3.47	-.58	1.38
27	4.60	-1.69	1.79	5.05	-.93	2.14	3.33	-1.52	.71	3.78	.01	1.91
28	4.45	-2.07	1.25	4.44	-1.06	1.71	2.68	-.93	1.01	2.78	-1.00	1.06
29	3.99	-2.28	1.08	4.53	-1.13	1.73	4.17	-.86	1.67	3.44	-.51	1.53
30	3.79	-2.00	1.06	3.87	-.71	1.67	3.82	.41	2.01	3.86	-.12	1.87
31	3.97	-2.15	.91	---	---	---	2.82	-.10	1.48	3.42	.21	1.86
MAX	5.20	-.42	2.32	5.95	-.35	2.81	8.55	3.89	6.18	4.45	.79	2.48
MIN	2.80	-2.68	.76	3.19	-2.49	.65	2.41	-3.88	-.02	2.15	-1.00	.56

High = Daily tidal high
Low = Daily tidal low

HUDSON RIVER BASIN

01359139 HUDSON RIVER AT ALBANY, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	3.49	-.16	1.60	4.10	-1.63	1.31	5.32	.00	2.68	4.17	-1.62	1.38
2	3.77	.07	1.87	4.24	-1.50	1.55	5.31	-.07	2.46	4.61	-1.42	1.69
3	2.37	-.82	1.05	4.47	-1.12	1.49	4.75	-.61	1.92	4.41	-1.40	1.66
4	3.57	-.93	1.31	4.54	-1.18	1.53	4.54	-.53	2.03	4.67	-1.78	1.63
5	3.80	-.34	1.71	5.17	-.46	2.20	5.00	-.29	2.48	4.58	-1.85	1.50
6	3.49	-.78	1.56	4.19	-2.17	.95	5.55	.42	3.10	4.92	-1.46	1.90
7	3.34	-1.08	1.12	5.85	-.84	2.31	5.69	.60	3.40	5.42	-1.49	2.14
8	3.50	-1.16	1.17	6.16	-.21	3.20	7.77	3.38	5.72	5.01	-1.40	1.86
9	4.35	-.87	1.79	5.53	-.81	2.64	8.37	5.04	6.45	5.05	-1.41	1.88
10	4.16	-.59	1.82	4.81	-1.81	1.49	8.45	4.76	6.91	4.97	-1.44	1.78
11	2.47	-1.27	.69	4.62	-2.07	1.64	8.36	5.68	6.72	4.84	-1.58	1.62
12	3.42	-1.15	.99	3.54	-2.56	.83	6.92	3.60	5.21	4.68	-1.31	1.68
13	4.25	.08	2.11	4.63	-1.91	1.84	7.16	3.80	5.46	3.43	-2.38	.75
14	4.00	-.12	2.01	5.05	-.84	1.78	6.72	4.40	5.34	4.10	-1.65	1.25
15	4.04	-.71	1.72	4.22	-1.64	1.35	6.07	3.13	4.48	3.75	-2.05	.91
16	4.02	-.57	1.52	4.29	-1.12	1.48	5.52	2.37	3.90	4.08	-.70	1.61
17	4.38	-.49	1.13	4.06	-.64	1.49	5.12	1.58	3.36	4.43	-.71	1.99
18	3.09	-2.29	.32	3.48	-1.79	.86	4.54	.45	2.42	4.24	-.73	1.83
19	4.11	-1.23	1.36	3.30	-1.52	.78	4.72	.01	2.50	4.56	-1.81	1.49
20	3.99	-1.38	1.46	3.65	-.93	1.35	4.62	-.04	2.34	4.60	-1.16	1.82
21	3.64	-2.40	1.10	4.52	-.56	1.90	4.81	-.06	2.47	5.09	-1.38	1.87
22	3.91	-2.17	.73	5.02	.56	2.88	5.20	-.07	2.60	5.07	-1.49	1.81
23	4.55	-1.03	1.78	4.99	.38	2.72	5.53	1.00	3.37	5.33	-.86	2.24
24	3.48	-2.46	.70	5.25	.59	2.94	6.37	2.25	4.37	5.61	-.71	2.32
25	4.77	-1.70	1.86	4.37	-.57	2.08	5.96	1.82	3.85	5.31	-1.06	2.16
26	4.25	-1.44	1.45	4.81	-.55	2.31	6.31	1.72	3.90	5.26	-1.15	2.10
27	3.73	-1.91	1.17	4.13	-1.18	1.64	6.16	.79	3.60	5.19	-1.16	2.25
28	3.77	-1.66	1.14	4.13	-1.34	1.47	5.52	-.47	2.50	5.51	-.28	2.72
29	---	---	---	4.05	-1.50	1.54	4.82	-.66	2.07	5.31	-.51	2.54
30	---	---	---	4.79	-1.15	2.32	4.60	-.99	1.85	4.69	-1.30	1.89
31	---	---	---	5.15	.07	2.49	---	---	---	4.22	-1.82	1.43
MAX	4.77	.08	2.11	6.16	.59	3.20	8.45	5.68	6.91	5.61	-.28	2.72
MIN	2.37	-2.46	.32	3.30	-2.56	.78	4.54	-.99	1.85	3.43	-2.38	.75
DAY	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	4.21	-1.29	1.66	5.08	-1.34	1.77	4.67	-1.69	1.26	5.05	-1.80	1.51
2	5.13	-.48	2.51	4.81	-2.14	1.00	4.56	-1.51	1.42	4.32	-1.76	1.56
3	5.68	.13	2.95	4.72	-1.42	1.71	4.73	-1.77	1.36	4.68	-1.31	1.87
4	5.84	-.56	2.80	5.21	-1.04	2.04	4.32	-2.05	1.29	4.80	-1.01	2.02
5	5.33	-.87	2.33	5.34	-1.06	2.13	4.72	-1.51	1.60	4.02	-2.17	1.25
6	5.25	-1.00	2.21	5.04	-1.52	1.73	4.46	-1.72	1.45	4.16	-1.68	1.44
7	5.16	-.95	2.02	4.75	-1.45	1.79	4.37	-1.79	1.39	4.23	-1.59	1.52
8	5.14	-1.13	2.00	4.82	-1.10	1.90	4.00	-1.94	1.24	4.30	-1.47	1.58
9	4.93	-1.22	1.87	4.76	-1.32	1.82	4.19	-1.58	1.51	4.36	-1.51	1.42
10	4.87	-1.11	1.91	4.67	-1.37	1.79	4.32	-1.43	1.54	4.37	-1.32	1.51
11	4.48	-1.16	1.75	4.65	-1.22	1.80	4.02	-1.91	.99	3.97	-2.00	.84
12	4.46	-.93	1.96	4.12	-1.52	1.49	4.22	-1.57	1.32	4.80	-1.70	1.13
13	4.37	-1.01	1.82	3.90	-1.70	1.29	4.19	-1.93	1.04	3.63	-1.59	1.41
14	3.95	-1.38	1.58	3.76	-1.69	1.14	2.73	-2.07	.90	4.55	-2.09	.97
15	4.24	-1.12	1.51	4.17	-1.75	1.14	4.59	-1.62	1.32	4.66	-1.71	1.51
16	3.72	-1.17	1.55	3.30	-1.56	1.22	5.07	-1.37	1.75	4.94	-1.79	1.65
17	4.44	-1.38	1.49	4.74	-1.70	1.38	5.20	-1.68	1.79	4.90	-1.80	1.72
18	4.83	-1.65	1.57	4.76	-1.72	1.31	4.96	-2.08	1.45	4.76	-1.86	1.73
19	4.76	-1.22	1.76	5.16	-1.50	1.71	4.98	-1.92	1.70	4.91	-1.85	1.82
20	5.18	-1.57	1.79	5.52	-1.81	1.83	5.07	-1.67	1.92	5.32	-1.28	2.26
21	4.93	-1.90	1.50	5.22	-1.82	1.69	5.09	-1.72	1.85	4.98	-1.26	2.07
22	5.22	-1.22	2.21	5.29	-1.53	2.00	4.65	-2.16	1.51	4.82	-1.22	1.85
23	5.70	-.84	2.66	5.27	-1.51	1.98	4.52	-2.05	1.42	4.40	-1.58	1.45
24	5.75	-.12	2.91	5.03	-1.61	1.84	4.17	-2.34	1.14	5.06	-1.21	1.69
25	5.58	-.39	2.72	4.67	-2.26	1.33	4.95	-1.61	1.44	4.89	-.23	2.29
26	5.40	-.68	2.48	3.89	-2.54	.93	4.99	-.94	1.86	3.19	-.98	1.40
27	4.93	-1.22	2.00	4.43	-2.12	1.32	4.47	-1.28	1.60	4.04	-1.30	1.39
28	4.40	-1.73	1.55	4.59	-2.11	1.05	3.41	-1.38	1.40	4.03	-1.82	1.04
29	4.32	-1.43	1.70	3.61	-1.58	1.38	4.74	-1.58	1.24	3.84	-1.52	1.30
30	5.28	-1.39	1.90	4.60	-1.44	1.41	4.39	-1.51	1.45	5.06	-.60	2.44
31	---	---	---	4.99	-1.56	1.60	5.06	-.82	2.08	---	---	---
MAX	5.84	.13	2.95	5.52	-1.04	2.13	5.20	-.82	2.08	5.32	-.23	2.44
MIN	3.72	-1.90	1.49	3.30	-2.54	.93	2.73	-2.34	.90	3.19	-2.17	.84

High = Daily tidal high
Low = Daily tidal low

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 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 856 ft³/s, June 6, 2000, gage height, 6.18 ft, from rating curve extended above 310 ft³/s; minimum discharge, 0.07 ft³/s, Aug. 4, 1999, gage height, 0.75 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 130 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1600	a*755	*5.90	Apr. 8	0830	467	4.95
Mar. 30	1645	167	3.44				

a From rating curve extended above 310 ft³/s.

Minimum discharge, 0.12 ft³/s, Aug. 30, 31, gage height, 0.79 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	4.8	12	e6.4	8.5	e7.6	62	4.3	3.4	1.4	.46	8.5
2	2.5	3.7	e9.0	e6.2	8.2	e6.0	45	3.8	20	2.1	.37	2.5
3	2.2	3.1	e7.0	e5.8	e7.6	e5.8	43	4.0	45	2.7	.40	1.4
4	2.1	3.1	e5.2	e5.6	e7.0	e5.4	53	3.6	31	2.9	1.6	.97
5	2.3	3.2	5.7	e5.4	6.5	4.9	70	3.3	13	2.1	.99	.70
6	12	4.0	e4.6	e5.4	7.1	5.2	80	3.0	7.9	1.6	.57	.49
7	8.3	3.9	e4.0	e5.2	6.2	e4.9	101	2.9	7.0	1.3	.50	.40
8	4.9	3.3	e3.6	e5.1	e6.0	5.5	266	2.8	6.1	1.3	.47	.36
9	3.8	3.1	e3.4	e4.8	8.1	e5.0	152	2.6	4.2	1.2	.40	.31
10	3.4	6.1	e3.4	e4.7	41	e5.2	112	2.5	3.2	1.4	.50	.38
11	2.9	8.6	3.9	e4.4	e33	e5.4	72	2.1	4.3	1.6	.52	.37
12	2.6	9.8	7.3	e4.2	e21	e5.8	51	2.0	13	1.4	.80	.28
13	2.4	7.7	7.0	e4.0	e17	e6.6	40	2.0	6.2	1.2	.83	.30
14	2.4	11	4.6	e3.8	e16	12	30	1.9	3.5	.97	.64	.79
15	2.1	26	e4.0	e3.8	e15	12	23	1.8	2.6	.92	.48	.46
16	2.0	16	4.2	e3.9	e12	16	17	2.1	2.2	.83	.44	.45
17	2.3	12	310	e4.1	e11	17	13	1.9	7.0	.96	.43	.41
18	15	9.4	169	e4.2	e9.8	16	11	1.8	7.2	1.0	.41	.33
19	19	8.1	61	e4.0	e9.0	19	9.6	1.7	3.8	1.0	.36	.32
20	11	6.7	e30	e4.1	e8.2	24	11	1.7	4.2	.82	.36	.37
21	7.5	6.3	e21	4.1	e8.0	28	9.6	1.6	4.0	.72	.31	1.4
22	6.1	6.4	e16	4.0	e7.8	87	8.2	1.9	2.6	.65	.29	1.2
23	5.9	e4.4	e14	3.8	e6.7	71	10	2.7	2.4	.48	.27	.85
24	5.3	e4.0	e12	3.7	e6.4	56	8.3	4.0	2.7	.38	.25	.62
25	4.9	e3.7	11	3.6	6.7	44	6.4	3.1	2.1	.38	.24	3.9
26	4.5	7.0	e9.5	3.7	11	e34	5.8	2.5	1.9	1.6	.23	4.1
27	4.3	13	e8.8	3.4	9.6	e27	5.2	6.3	1.6	1.2	.19	2.5
28	4.1	13	e8.0	3.3	e9.0	19	4.9	9.2	1.5	.83	.15	1.5
29	4.5	10	7.7	3.3	---	18	5.5	11	1.1	.77	.15	1.1
30	3.6	10	7.2	4.2	---	96	5.0	8.9	1.1	.62	.14	.82
31	4.3	---	e6.8	7.9	---	95	---	5.9	---	.49	.47	---
TOTAL	160.6	231.4	780.9	140.1	323.4	764.3	1330.5	108.9	215.8	36.82	14.22	38.08
MEAN	5.18	7.71	25.2	4.52	11.6	24.7	44.3	3.51	7.19	1.19	.46	1.27
MAX	19	26	310	7.9	41	96	266	11	45	2.9	1.6	8.5
MIN	2.0	3.1	3.4	3.3	6.0	4.9	4.9	1.6	1.1	.38	.14	.28
CFSM	.55	.81	2.66	.48	1.22	2.60	4.68	.37	.76	.13	.05	.13
IN.	.63	.91	3.06	.55	1.27	3.00	5.22	.43	.85	.14	.06	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

	7.31	13.2	16.4	16.3	12.4	27.0	29.4	15.6	10.1	3.83	4.52	4.19
MEAN	7.31	13.2	16.4	16.3	12.4	27.0	29.4	15.6	10.1	3.83	4.52	4.19
MAX	20.5	26.5	39.2	40.1	29.7	44.0	52.7	41.7	47.9	14.8	29.7	22.7
(WY)	2000	1992	1997	1996	2000	1994	1993	1996	2000	1996	2000	1999
MIN	1.26	1.75	2.32	4.52	3.44	13.1	7.70	3.51	1.13	.32	.43	.49
(WY)	1998	1995	1999	2001	1993	1992	1999	2001	1995	1991	1993	1995

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

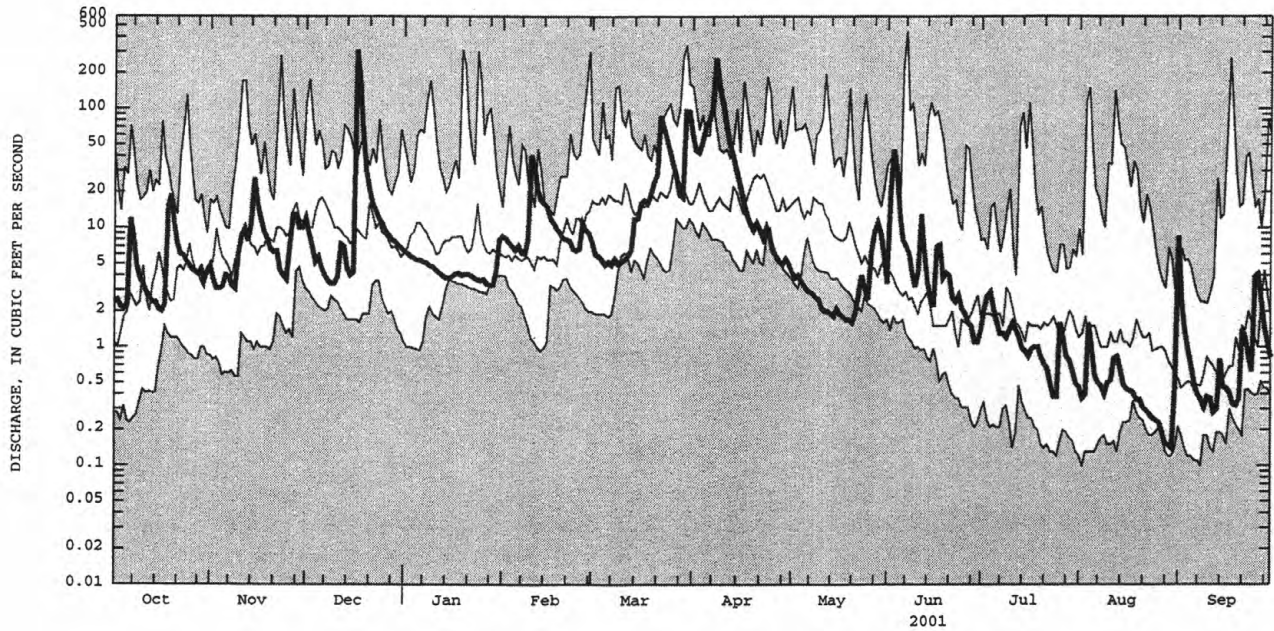
WATER YEARS 1991 - 2001

ANNUAL TOTAL	7746.8	4145.02	
ANNUAL MEAN	21.2	11.4	
HIGHEST ANNUAL MEAN			13.4
LOWEST ANNUAL MEAN			21.9
HIGHEST DAILY MEAN	448	Jun 7	7.45
LOWEST DAILY MEAN	2.0	Jul 14	.10
ANNUAL SEVEN-DAY MINIMUM	2.4	Sep 29	.13
ANNUAL RUNOFF (CFSM)	2.23		1.41
ANNUAL RUNOFF (INCHES)	30.40		19.14
10 PERCENT EXCEEDS	41		32
50 PERCENT EXCEEDS	10		5.7
90 PERCENT EXCEEDS	3.3		.59

e Estimated

HUDSON RIVER BASIN

01360640 VALATIE KILL NEAR NASSAU, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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 mi².

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,240 ft above sea level, 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 ft³/s, Dec. 17, 2000, gage height, 6.32 ft, recorded, outside gage height was 6.77 ft, from crest-stage gage, from rating curve extended above 170 ft³/s on basis of step-backwater analysis of peak flow; minimum discharge, 1.9 ft³/s, Aug. 29, 31, 2001; 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1200	a*857	b*6.32	Apr. 13	1630	329	4.50

a From rating curve extended as explained above.

b Recorded; outside gage height was 6.77 ft, from crest-stage gage.

Minimum discharge, 1.9 ft³/s, Aug. 29, 31; minimum gage height, 2.44 ft, Oct. 1, 2, 3, 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	7.4	9.1	e21	12	e18	41	36	15	16	3.3	5.1
2	4.2	7.2	6.3	e20	12	18	40	33	25	14	3.1	2.7
3	4.1	7.2	e6.2	19	e12	17	38	32	20	12	3.2	2.4
4	4.6	7.0	e6.2	18	e12	16	39	29	17	12	3.5	3.3
5	5.8	6.8	6.2	18	12	18	43	27	17	11	3.1	2.8
6	11	6.7	5.8	17	12	18	47	24	15	9.9	3.1	2.4
7	6.6	6.5	e5.6	16	11	15	62	22	14	9.5	3.0	2.4
8	5.8	6.4	e5.4	15	11	e14	81	21	13	9.4	2.9	2.3
9	5.5	6.2	e5.2	15	13	e14	137	19	12	9.0	2.8	2.3
10	5.6	7.7	e5.6	e14	33	14	240	18	11	8.4	2.8	4.3
11	5.8	8.3	5.8	e13	e31	e13	216	17	12	8.0	2.9	3.2
12	5.7	7.5	e5.8	e12	e29	e12	236	16	12	6.3	3.4	2.6
13	5.6	7.2	e5.8	e12	26	16	287	14	10	6.1	3.1	2.7
14	5.5	8.3	e6.0	12	29	16	240	13	9.2	6.2	2.8	5.5
15	5.5	8.7	e6.2	12	34	15	178	13	8.6	5.8	2.7	3.3
16	5.9	7.7	e7.0	12	29	15	147	12	10	5.6	2.6	2.8
17	6.1	7.9	319	11	28	16	121	11	66	6.1	2.9	2.6
18	11	7.6	219	11	e27	15	102	11	29	5.5	2.8	2.5
19	10	7.1	127	11	e26	15	87	10	24	4.6	2.6	2.4
20	9.5	6.6	92	10	25	16	76	9.7	23	4.6	2.8	4.2
21	9.2	6.5	66	e9.8	25	19	73	9.2	22	4.5	2.6	6.2
22	9.2	6.5	e52	e9.6	e24	42	94	11	21	4.2	2.5	3.8
23	9.0	6.2	e42	e9.2	e22	33	99	13	22	3.8	2.5	3.3
24	9.0	6.0	e38	e9.0	e21	29	89	15	21	3.8	2.4	3.0
25	9.0	6.1	e35	e8.6	21	27	69	13	17	3.6	2.3	2.2
26	8.7	8.6	e32	e8.6	22	26	57	14	16	9.5	2.2	8.6
27	8.7	8.2	e28	8.4	20	e24	50	19	14	5.0	2.3	6.2
28	8.6	6.8	e26	8.1	19	23	45	17	15	4.1	2.3	5.6
29	8.4	8.9	e25	8.1	---	22	40	17	15	3.9	2.2	4.6
30	8.3	11	e24	12	---	47	38	16	15	3.7	2.2	3.7
31	7.7	---	e23	13	---	43	---	16	---	3.5	3.0	---
TOTAL	223.9	220.8	1246.2	393.4	598	646	3112	547.9	540.8	219.6	85.9	128.8
MEAN	7.22	7.36	40.2	12.7	21.4	20.8	104	17.7	18.0	7.08	2.77	4.29
MAX	11	11	319	21	34	47	287	36	66	16	3.5	22
MIN	4.1	6.0	5.2	8.1	11	12	38	9.2	8.6	3.5	2.2	2.3
CFSM	.58	.59	3.22	1.02	1.71	1.67	8.30	1.41	1.44	.57	.22	.34
IN.	.67	.66	3.71	1.17	1.78	1.92	9.26	1.63	1.61	.65	.26	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	11.3	13.5	22.1	24.1	27.8	42.8	67.0	27.5	25.5	14.4	8.11	11.2
MAX	22.6	28.5	40.2	45.9	32.0	73.0	104	45.6	48.1	18.1	17.1	22.6
(WY)	2000	2000	2001	1999	1999	2000	2001	2000	2000	2000	2000	1999
MIN	4.11	4.56	5.20	12.7	21.4	20.8	35.8	17.7	10.4	7.08	2.77	4.29
(WY)	1999	1999	1999	2001	2001	2001	1999	2001	1999	2001	2001	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

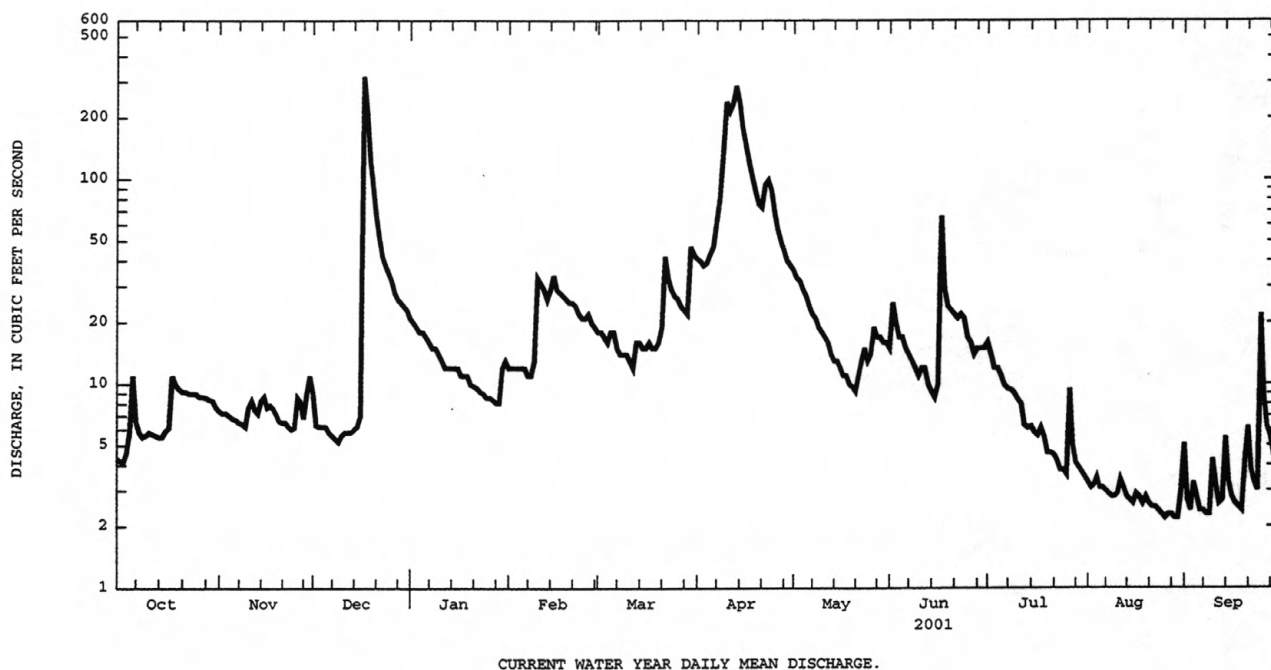
WATER YEARS 1999 - 2001

ANNUAL TOTAL	11248.7	7963.3	
ANNUAL MEAN	30.7	21.8	24.5
HIGHEST ANNUAL MEAN			32.1
LOWEST ANNUAL MEAN			19.7
HIGHEST DAILY MEAN	319	319	319
LOWEST DAILY MEAN	4.1	2.2	2.2
ANNUAL SEVEN-DAY MINIMUM	4.4	2.3	2.3
ANNUAL RUNOFF (CFSM)	2.46	1.75	1.96
ANNUAL RUNOFF (INCHES)	33.48	23.70	26.68
10 PERCENT EXCEEDS	68	40	54
50 PERCENT EXCEEDS	16	11	15
90 PERCENT EXCEEDS	6.0	3.0	3.8

e Estimated

HUDSON RIVER BASIN

013621955 BIRCH CREEK AT BIG INDIAN, NY--Continued



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 mi².

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1500	*5,820	*10.34	Apr. 13	1815	2,000	6.99
Apr. 10	0100	1,600	6.51				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	40	76	e98	59	e82	216	128	65	64	13	18
2	22	39	71	e92	58	81	204	118	117	56	12	11
3	22	38	e66	e86	55	78	194	110	132	49	12	10
4	23	36	e66	e80	e88	74	192	102	129	45	15	12
5	27	35	65	76	e86	75	203	95	119	43	13	11
6	62	34	62	74	e65	e72	223	88	109	40	13	9.2
7	40	32	e56	70	58	73	288	81	98	37	12	8.6
8	33	31	e54	67	54	67	412	76	91	36	11	8.1
9	30	31	53	65	60	67	785	72	83	34	10	7.8
10	28	40	e50	61	138	63	1500	67	72	32	10	11
11	27	42	e49	66	125	61	1230	62	70	30	9.5	10
12	26	39	57	57	e120	59	1210	59	69	27	12	8.2
13	26	38	47	e52	e120	71	1750	55	59	26	12	8.1
14	25	46	51	e52	132	78	1340	52	53	25	12	15
15	25	58	47	53	149	69	880	49	48	24	11	11
16	26	55	49	51	135	71	685	47	45	23	9.9	11
17	27	58	2330	49	128	74	546	45	416	23	11	10
18	54	59	1510	48	115	72	427	44	214	23	10	9.2
19	61	57	698	47	e120	71	343	42	172	20	9.7	8.5
20	54	56	454	46	111	75	281	39	150	19	11	11
21	55	55	329	44	109	93	275	37	132	18	9.7	28
22	57	53	275	e41	e86	300	425	42	114	17	9.1	21
23	56	51	226	e41	e86	249	449	56	107	16	8.8	17
24	54	49	188	e41	e90	217	363	65	104	15	8.7	14
25	53	48	154	e40	91	199	266	65	91	15	8.1	97
26	52	66	e150	e40	100	181	216	63	80	23	7.8	61
27	50	75	e130	e39	89	164	189	81	70	20	7.7	42
28	47	69	e120	e33	85	148	174	82	64	17	7.4	34
29	45	72	e110	e35	---	138	156	79	59	16	7.3	28
30	43	81	e110	e41	---	232	140	75	57	15	7.0	24
31	42	---	e100	65	---	228	---	71	---	14	8.0	---
TOTAL	1215	1483	7803	1750	2712	3582	15562	2147	3189	862	318.7	574.7
MEAN	39.2	49.4	252	56.5	96.9	116	519	69.3	106	27.8	10.3	19.2
MAX	62	81	2330	98	149	300	1750	128	416	64	15	97
MIN	22	31	47	33	54	59	140	37	45	14	7.0	7.8
CFSM	.62	.78	3.95	.89	1.52	1.81	8.14	1.09	1.67	.44	.16	.30
IN.	.71	.87	4.56	1.02	1.58	2.09	9.09	1.25	1.86	.50	.19	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

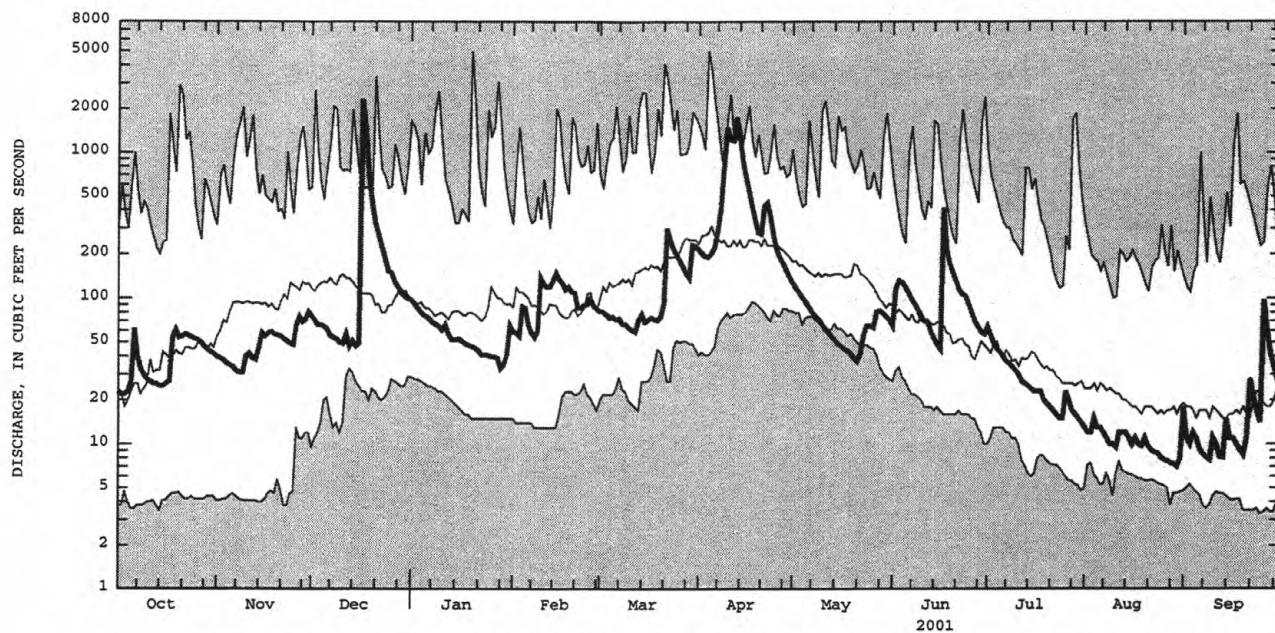
MEAN	83.7	143	166	154	144	250	334	197	107	58.1	31.2	43.4
MAX	370	346	496	557	385	553	827	511	363	212	102	213
(WY)	1978	1973	1974	1996	1981	1977	1993	1989	1973	1996	2000	1987
MIN	4.16	5.58	39.3	19.4	29.6	69.9	123	67.3	19.4	8.94	6.30	4.23
(WY)	1965	1965	1999	1981	1987	1970	1995	1987	1965	1965	1964	1964

e Estimated

HUDSON RIVER BASIN

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	65782		41198.4		143	
ANNUAL MEAN	180		113		224	1996
HIGHEST ANNUAL MEAN					59.8	1965
LOWEST ANNUAL MEAN					5000	Apr 4 1987
HIGHEST DAILY MEAN	2330	Dec 17	2330	Dec 17	3.3	Sep 24 1964
LOWEST DAILY MEAN	22	Oct 2	7.0	Aug 30	3.5	Sep 22 1964
ANNUAL SEVEN-DAY MINIMUM	23	Sep 28	7.6	Aug 25	2.24	
ANNUAL RUNOFF (CFSM)	2.82		1.77		30.40	
ANNUAL RUNOFF (INCHES)	38.42		24.06		313	
10 PERCENT EXCEEDS	424		208		78	
50 PERCENT EXCEEDS	90		57		13	
90 PERCENT EXCEEDS	34		11			



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-95, October 2000 to current year. Published as Esopus Creek at Shandaken (01362198), October 1963 to September 1988, October 1989 to August 1992 (non-daily record).

CHEMICAL DATA: 1963 (a), 1964 (b), 1965 (a), 1966 (b), 1967 (c), 1968-82 (d), 1983 (c), 1984 (b), 1985 (c), 1986 (b), 1987 (a), 1988-92 (b), 1993 (c), 1994 (d), 1995 (c), 2001 (d).

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).

BIOLOGICAL DATA:

Bacteria--1968-69 (d), 1970-72 (c), 1973-82 (d), 1983-85 (b), 1986-88 (a), 1990-92 (b), 1993 (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).

PERIOD OF DAILY RECORD.--

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
OCT													
04...	1050	21	10	738	11.0	104	7.4	57	13.0	11.5	21	6.24	1.21
NOV													
07...	1000	33	10	742	12.5	98	7.5	51	10.0	5.5	18	5.50	1.10
29...	1020	69	10	743	12.3	95	7.0	41	6.0	4.5	15	4.55	.981
JAN													
04...	1145	e80	10	740	13.4	93	6.6	45	.0	.5	16	4.64	.983
FEB													
01...	1045	59	10	741	13.6	98	6.7	89	4.5	1.5	23	6.98	1.37
MAR													
07...	1340	74	10	734	13.7	97	6.8	64	5.5	1.5	18	5.28	1.06
APR													
04...	1140	183	10	748	13.5	102	7.1	76	7.0	4.0	20	5.84	1.20
MAY													
01...	1130	129	10	742	11.5	96	7.0	50	30.0	11.0	16	4.61	.980
*01...	1131	129	10	742	11.5	96	7.0	50	30.0	11.0	16	4.74	.956
JUN													
07...	1130	100	10	737	9.8	94	7.0	56	25.0	13.0	16	4.70	1.10
JUL													
02...	1215	56	10	762	9.7	97	7.1	60	18.0	15.5	19	5.73	1.22
30...	1140	15	10	744	9.5	102	8.1	78	27.0	18.0	24	7.29	1.42
SEP													
04...	1040	9.4	10	739	9.1	93	7.6	92	19.0	16.5	29	8.77	1.67

e Estimated daily

* Replicate

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT													
04...	.32	.3	3.5	27	17	4.8	<.2	2.3	5.4	38	<.020	E.07	.11
NOV													
07...	.24	.3	3.0	26	15	3.9	<.2	2.2	5.5	31	<.041	<.10	.09
29...	.28	.3	2.4	25	12	3.0	<.2	2.5	5.2	28	<.041	<.10	.13
JAN													
04...	.32	.3	2.6	26	9	3.5	<.2	3.2	5.3	30	<.041	E.06	.29
FEB													
01...	.35	.7	7.6	41	10	14.8	<.2	2.9	5.8	62	<.041	<.10	.14
MAR													
07...	.26	.5	4.9	37	8	9.2	<.2	2.1	5.2	39	<.041	<.10	.11
APR													
04...	.30	.6	5.8	39	9	11.8	<.2	2.4	5.1	47	<.041	E.06	.12
MAY													
01...	.36	.4	3.3	31	7	5.4	<.2	2.2	5.0	40	<.041	<.10	E.06
*01...	.36	.4	3.3	31	8	5.5	<.2	2.2	5.1	47	<.041	E.05	E.04
JUN													
07...	.27	.4	3.4	31	9	5.8	<.2	2.6	5.1	36	<.040	E.05	E.08
JUL													
02...	.32	.4	4.2	32	14	6.6	<.2	2.9	5.0	35	E.024	<.10	E.04
30...	.39	.5	5.3	32	18	8.5	<.2	2.4	5.3	42	<.040	E.06	E.05
SEP													
04...	.46	.5	6.1	31	23	9.9	<.2	2.1	5.5	51	<.040	E.06	.09
DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)
OCT													
04...	<.050	<.010	E.003	<.010	E.004	<10	<3.2	<.002	<.004	<.002	<.005	<.007	<.010
NOV													
07...	E.033	<.006	<.006	<.018	E.002	<10	E1.7	<.002	<.004	<.002	<.005	<.007	<.010
29...	.209	<.006	<.006	<.018	E.002	<10	E1.7	<.002	<.004	<.002	<.005	<.007	<.010
JAN													
04...	.342	.006	E.004	<.018	.012	<10	E2.9	<.002	<.004	<.002	<.005	<.007	<.010
FEB													
01...	.290	<.006	E.004	<.018	.007	<10	4.8	<.002	<.004	<.002	<.005	<.007	<.010
MAR													
07...	.173	<.006	<.006	<.018	.007	M	4.4	<.002	<.004	<.002	<.005	<.007	<.010
APR													
04...	.245	<.006	.007	<.018	.036	M	5.0	<.002	<.004	<.002	<.005	<.007	<.010
MAY													
01...	.213	<.006	E.004	<.018	.004	<10	3.3	<.002	<.004	<.002	<.005	<.007	<.010
*01...	.210	<.006	E.003	<.018	.006	<10	3.5	<.002	<.004	<.002	<.005	<.007	<.010
JUN													
07...	.162	<.006	E.004	<.020	.007	M	3.5	<.002	<.004	<.002	<.005	<.007	<.010
JUL													
02...	.128	.006	E.005	<.020	.008	M	E2.7	<.002	<.004	<.002	<.005	<.007	<.010
30...	.092	<.006	E.005	<.020	.006	<10	<3.0	<.002	<.004	<.002	<.005	<.007	<.010
SEP													
04...	E.035	<.006	E.004	<.020	.004	<10	3.3	<.002	<.004	<.002	<.005	<.007	<.010

E Estimated

* Replicate

M Presence verified, not quantified

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
OCT 04...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
NOV 07...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
NOV 29...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
JAN 04...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
FEB 01...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
MAR 07...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
APR 04...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
MAY 01...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
*01...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
JUN 07...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
JUL 02...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
30...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
SEP 04...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
DATE	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)
OCT 04...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
NOV 07...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
NOV 29...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
JAN 04...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
FEB 01...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
MAR 07...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
APR 04...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
MAY 01...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
*01...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
JUN 07...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.010
JUL 02...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
30...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
SEP 04...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002

* Replicate

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
OCT													
04...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
NOV													
07...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
29...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
JAN													
04...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
FEB													
01...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
MAR													
07...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
APR													
04...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
MAY													
01...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
*01...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
JUN													
07...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
JUL													
02...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
30...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005
SEP													
04...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005

DATE	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (82661)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDE (80154)
OCT				
04...	<.002	<.009	66	7
NOV				
07...	<.002	<.009	57	1
29...	<.002	<.009	95	6
JAN				
04...	<.002	<.009	98	11
FEB				
01...	<.002	<.009	99	12
MAR				
07...	<.002	<.009	98	8
APR				
04...	<.002	<.009	91	5
MAY				
01...	<.002	<.009	94	3
*01...	<.002	<.009	95	3
JUN				
07...	<.002	<.009	77	4
JUL				
02...	<.002	<.009	92	2
30...	<.002	<.009	71	1
SEP				
04...	<.002	<.009	78	1

* Replicate

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1924 to September 1950 and October 1960 to September 1996 (monthly and yearly discharge only), December 1996 to current year. (Prior to October 1950, published in WSP 1302, October 1960 to September 1970, in WSP 2102.) Records for October 1950 to September 1960 are unpublished and available in files of the Geological Survey.

GAGE.--Water-stage recorder. Concrete control since May 8, 1998. Elevation of gage is 800 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. 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 ft³/s, Apr. 22, 23, 24, 25, 1999, gage height, 5.58 ft; minimum discharge, 0.08 ft³/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, 787 ft³/s, July 13, gage height, 5.30 ft; minimum, 0.08 ft³/s, part of each day Apr. 20-26, gage height, 1.86 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	527	440	192	88	108	118	133	99	357	289	231	195
2	225	362	165	88	108	121	132	117	609	254	231	193
3	223	240	165	88	108	121	145	184	609	205	231	192
4	222	239	165	88	108	121	147	258	496	205	230	191
5	220	237	164	88	108	121	123	264	252	220	230	190
6	220	236	165	88	110	121	119	266	193	243	229	191
7	220	235	154	88	115	122	117	265	139	243	228	193
8	220	233	139	90	117	122	118	265	65	243	226	192
9	220	231	139	94	117	122	89	265	65	242	225	192
10	218	230	139	107	117	122	.81	268	66	242	225	190
11	217	229	136	127	117	122	.42	267	74	354	223	189
12	216	230	133	127	117	122	.40	267	85	466	222	187
13	215	229	141	127	111	123	.39	267	123	614	221	186
14	214	220	141	127	97	125	.27	267	185	765	220	187
15	212	200	140	127	82	125	.22	267	185	752	218	194
16	211	200	141	127	59	126	.19	266	185	654	218	192
17	210	201	197	127	59	126	.16	380	186	556	216	192
18	209	201	.92	127	59	126	.15	594	188	554	214	188
19	328	202	.57	127	59	126	.14	588	188	510	214	186
20	517	200	.46	127	66	127	.12	585	189	435	212	184
21	513	200	.38	127	78	127	.11	583	189	432	211	184
22	507	200	.36	162	83	128	.10	580	190	431	209	181
23	500	199	.35	207	89	128	.08	578	190	408	208	175
24	503	198	.36	164	89	128	.08	476	191	301	206	174
25	495	197	.33	104	89	128	.09	301	191	238	205	174
26	487	197	.32	108	89	128	13	302	233	235	204	177
27	481	197	16	108	89	128	41	303	290	231	203	178
28	476	199	57	108	100	128	41	303	290	231	200	311
29	467	199	89	108	---	128	41	269	290	231	198	558
30	454	200	88	108	---	107	66	194	289	231	196	481
31	447	---	88	108	---	84	---	194	---	231	195	---
TOTAL	10394	6781	2958.05	3589	2648	3801	1328.73	10082	6782	11246	6699	6397
MEAN	335	226	95.4	116	94.6	123	44.3	325	226	363	216	213
MAX	527	440	197	207	117	128	147	594	609	765	231	558
MIN	209	197	.32	88	59	84	.08	99	65	205	195	174

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001
MEAN	206	164	329	169	236
MAX	335	243	562	285	456
(WY)	2001	1998	2000	2000	1999
MIN	85.4	69.8	95.4	4.66	54.6
(WY)	2000	2000	2001	1997	1997

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

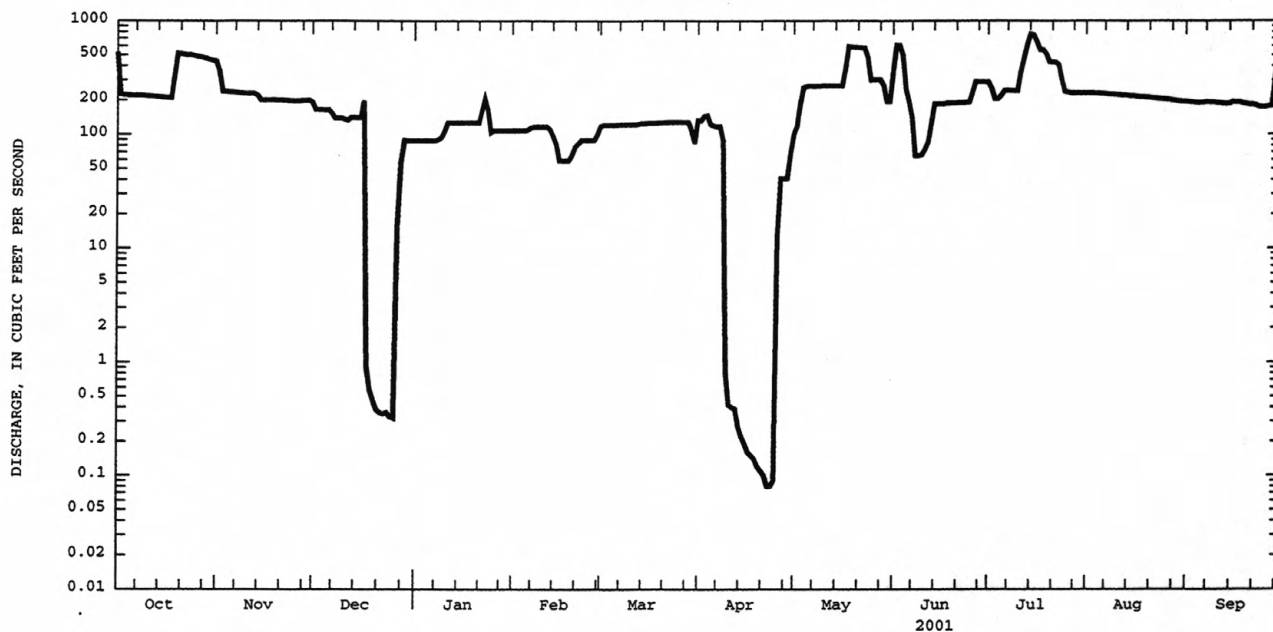
FOR 2001 WATER YEAR

WATER YEARS 1997 - 2001

ANNUAL TOTAL	89257.86	72705.78		
ANNUAL MEAN	244	199	227	
HIGHEST ANNUAL MEAN			255	1999
LOWEST ANNUAL MEAN			199	2001
HIGHEST DAILY MEAN	767	May 23	913	Apr 24 1999
LOWEST DAILY MEAN	.32	Jun 11	.08	Apr 23 2001
ANNUAL SEVEN-DAY MINIMUM	.36	Jun 10	.10	Apr 19 2001
10 PERCENT EXCEEDS	637		567	
50 PERCENT EXCEEDS	185		144	
90 PERCENT EXCEEDS	.68		.88	

HUDSON RIVER BASIN

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY--Continued



01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1997 to current year.

INSTRUMENTATION.--Water-temperature recorder and telephone telemeter provides 15-minute-interval readings.

REMARKS.--Interruptions of record were due to decreases in the release from the diversion, exposing the water-temperature probe.

Also published as a NAWQA water-quality miscellaneous site.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 23.5°C, Aug. 24, 2001; minimum (water years 1998-99), 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, 23.5°C, Aug. 24; minimum recorded, 1.0°C, Apr. 3, 4, and may have also occurred or been lower during period of missing record.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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

HUDSON RIVER BASIN

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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	1.5	1.5	1.5	6.5	6.0	6.5
2	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	6.5	6.5	6.5
3	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.0	1.5	7.0	6.0	6.5
4	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.0	1.5	7.0	6.5	7.0
5	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	7.0	6.5	7.0
6	2.0	2.0	2.0	1.5	1.5	1.5	2.0	1.5	1.5	8.0	6.5	7.0
7	2.0	2.0	2.0	1.5	1.5	1.5	2.0	1.5	2.0	7.5	7.0	7.0
8	2.0	2.0	2.0	1.5	1.5	1.5	2.0	2.0	2.0	7.5	6.5	7.0
9	2.0	2.0	2.0	1.5	1.5	1.5	2.5	2.0	2.0	7.5	6.5	7.0
10	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	8.0	6.5	7.0
11	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	8.0	7.0	7.0
12	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	7.5	6.5	7.0
13	2.0	1.5	2.0	1.5	1.5	1.5	---	---	---	7.5	6.5	7.0
14	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	9.0	7.0	7.5
15	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	12.0	6.5	8.5
16	2.5	2.0	2.0	1.5	1.5	1.5	---	---	---	10.0	6.5	7.5
17	2.5	2.0	2.5	1.5	1.5	1.5	---	---	---	9.0	7.5	8.0
18	2.5	2.0	2.0	1.5	1.5	1.5	---	---	---	10.0	8.0	9.0
19	2.5	2.0	2.5	1.5	1.5	1.5	---	---	---	10.0	8.0	9.0
20	2.5	2.0	2.5	1.5	1.5	1.5	---	---	---	10.0	8.0	9.0
21	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	11.0	8.0	9.5
22	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	11.5	9.0	10.0
23	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	10.5	8.5	9.5
24	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	10.0	8.0	9.0
25	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	10.0	8.0	8.5
26	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	10.0	8.0	9.0
27	2.0	2.0	2.0	1.5	1.5	1.5	5.0	4.0	5.0	9.0	7.5	8.0
28	2.0	1.5	2.0	1.5	1.5	1.5	6.0	5.0	5.5	10.0	8.5	9.5
29	---	---	---	1.5	1.5	1.5	7.0	6.0	6.0	9.0	8.5	---
30	---	---	---	1.5	1.5	1.5	6.0	5.5	6.0	10.0	7.5	---
31	---	---	---	2.0	1.5	1.5	---	---	---	10.5	7.5	8.5
MONTH	2.5	1.5	2.0	2.0	1.5	1.5	---	---	---	12.0	6.0	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	12.0	7.5	9.0	13.5	11.5	12.5	18.0	15.5	16.5	22.5	20.0	21.5
2	13.0	10.5	12.0	14.0	10.0	12.0	19.0	15.0	17.0	22.5	20.5	21.5
3	12.5	11.5	11.5	13.5	10.0	12.0	18.0	15.0	16.5	22.0	21.0	21.5
4	12.5	10.5	12.0	13.0	10.5	11.5	18.0	16.5	17.5	21.5	20.5	21.0
5	10.5	8.5	9.5	13.5	10.0	12.0	19.0	16.0	17.5	21.5	21.0	21.5
6	10.5	8.0	9.0	14.0	12.0	12.5	19.0	16.0	17.5	21.5	20.0	21.0
7	10.5	8.0	8.5	13.5	11.0	12.5	20.0	16.5	18.0	21.0	20.0	20.5
8	9.0	7.0	8.0	13.5	11.5	12.5	19.5	15.5	18.0	21.0	20.0	20.5
9	8.5	7.0	7.5	14.0	12.0	13.0	20.5	16.0	18.0	21.0	20.0	20.5
10	9.0	7.5	8.0	14.0	11.5	13.0	20.5	16.5	18.5	21.0	19.5	20.5
11	9.0	7.5	8.0	15.5	11.5	13.5	20.0	16.5	18.5	21.5	20.0	20.5
12	9.0	7.5	8.0	16.0	13.0	15.0	19.5	18.0	18.5	21.5	20.0	21.0
13	9.5	7.5	8.5	17.5	13.0	15.5	20.5	19.0	19.5	21.0	20.0	20.5
14	11.0	8.0	9.5	18.5	16.5	17.5	21.5	17.5	19.5	21.0	20.5	21.0
15	11.5	8.0	10.0	18.5	16.5	17.5	21.0	17.0	19.0	20.5	19.5	20.0
16	10.5	8.0	9.0	18.0	16.0	17.5	20.0	18.5	19.5	20.0	19.0	19.5
17	12.0	8.0	10.0	17.5	15.5	16.5	22.5	18.0	20.0	19.5	18.5	19.0
18	12.0	9.0	10.5	18.0	16.5	17.0	21.5	18.0	20.5	19.5	18.0	18.5
19	12.0	8.0	10.0	17.5	16.0	17.0	22.0	20.0	21.0	19.5	18.5	18.5
20	12.0	8.5	10.0	17.5	15.5	16.5	22.0	19.5	20.5	18.5	17.0	17.5
21	12.0	9.0	10.5	18.0	15.5	16.5	22.0	20.0	21.0	18.5	18.0	18.0
22	12.0	8.5	10.5	17.5	16.0	16.5	22.0	20.0	21.0	18.5	17.5	18.0
23	12.0	9.0	10.0	18.0	15.5	16.5	22.5	19.5	21.0	19.0	18.0	18.5
24	12.5	9.0	11.0	17.5	14.0	16.0	23.5	21.0	21.5	19.0	15.0	18.0
25	12.5	9.5	11.0	16.5	14.0	15.0	22.0	20.0	21.0	18.5	15.0	17.0
26	13.0	9.5	11.5	18.5	13.0	16.0	22.0	18.0	21.0	18.5	17.0	17.5
27	13.5	10.0	12.0	17.0	13.5	15.5	22.5	20.0	21.5	17.0	16.5	16.5
28	14.0	10.0	12.0	18.0	12.5	15.5	23.0	20.0	21.0	17.0	16.5	16.5
29	13.5	9.5	12.0	17.0	14.0	15.5	22.5	21.0	22.0	16.5	16.0	16.5
30	13.5	11.0	12.5	19.0	14.5	16.0	22.5	20.0	21.0	16.0	15.5	16.0
31	---	---	---	18.0	15.5	16.5	22.0	20.0	21.0	---	---	---
MONTH	14.0	7.0	10.0	19.0	10.0	15.0	23.5	15.0	19.5	22.5	15.0	19.5

01362342 HOLLOW TREE BROOK AT LANESVILLE, NY

LOCATION.--Lat 42°08'32", long 74°15'55", Greene County, Hydrologic Unit 02020006, on left bank downstream from bridge on Diamond Notch Road, about 1.0 mi upstream from mouth, and about 1.0 mi north of Lanesville.

DRAINAGE AREA.--1.95 mi².

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,480 ft above sea level, 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, 263 ft³/s, Sept. 16, 1999, gage height, 3.69 ft, from rating curve extended above 60 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1500	*107	*2.77	Apr. 13	1615	63	2.40
Apr. 9	2230	49	2.26				

Minimum, no flow Sept. 18, 19, as a result of temporary drainage of gage pool by local fire department; minimum gage height, 0.55 ft, Sept. 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.3	4.1	3.4	1.7	e2.5	3.7	5.9	5.1	2.5	.70	.72
2	1.8	2.3	4.0	3.3	1.7	2.4	3.5	5.5	6.3	2.3	.68	.52
3	1.8	2.2	3.7	3.2	1.7	2.4	3.4	5.3	7.7	2.2	.67	.49
4	1.8	2.1	3.5	3.1	e1.7	2.3	3.4	5.3	9.0	2.1	.95	.55
5	2.1	2.1	3.5	2.9	1.7	2.4	3.6	5.2	8.1	2.0	.77	.48
6	2.6	2.1	3.3	2.8	1.6	2.3	3.9	5.0	6.8	1.8	.68	.46
7	2.2	2.0	3.2	2.7	1.6	2.2	6.4	4.6	5.7	1.7	.64	.44
8	2.3	2.0	3.1	2.7	1.5	2.2	8.2	4.3	4.9	1.7	.62	.43
9	2.3	1.9	2.9	2.7	1.7	2.2	23	4.1	4.2	1.6	.59	.42
10	2.2	2.2	2.8	2.6	2.1	2.1	45	3.9	3.7	1.5	.60	.53
11	2.1	2.4	2.7	2.5	e2.2	2.1	37	3.6	3.5	1.5	.57	.47
12	2.0	2.8	2.8	2.4	e2.2	2.0	39	3.5	3.2	1.4	.81	.43
13	1.9	3.4	2.6	2.4	2.2	2.3	56	3.4	2.9	1.4	.64	.44
14	1.9	4.2	e2.6	2.3	2.3	2.2	46	3.3	2.7	1.3	.90	.66
15	2.0	4.9	2.5	2.3	2.5	2.1	33	3.1	2.5	1.3	.74	.49
16	2.0	5.2	2.8	2.2	2.4	2.1	26	3.0	2.3	1.2	.63	.47
17	2.0	5.0	50	2.1	2.5	2.1	21	2.9	3.9	1.2	.71	.46
18	3.5	4.7	41	2.1	e2.5	2.1	17	2.8	3.4	1.2	.63	e.44
19	4.7	4.4	21	2.1	e2.5	2.1	14	2.7	3.4	1.1	.60	e.43
20	5.4	4.2	14	2.0	2.6	2.1	12	2.7	3.3	1.1	.64	e.50
21	5.6	3.8	10	2.0	2.6	2.4	12	2.7	3.1	1.0	.59	e1.0
22	5.4	3.5	8.2	1.9	e2.6	3.1	21	2.9	2.9	.99	.56	e.90
23	4.7	3.2	6.6	e1.9	e2.6	2.7	27	3.4	3.1	.96	.56	e.80
24	4.4	3.1	5.6	1.8	e2.5	2.7	23	4.6	3.3	.89	.54	e.70
25	4.1	3.0	e5.0	1.8	2.5	2.7	18	5.1	3.4	.82	.53	e10
26	3.6	e3.3	e4.6	e1.8	2.6	2.7	13	5.2	3.3	1.1	.52	7.6
27	3.3	3.6	4.3	1.7	2.5	2.6	11	6.0	3.2	.84	.51	4.9
28	3.1	4.0	4.2	1.7	2.5	2.6	8.7	6.9	2.9	.80	.49	3.8
29	2.9	4.2	3.9	1.7	---	2.5	7.4	7.2	2.7	.77	.47	3.1
30	2.8	4.3	3.8	1.9	---	3.7	6.5	6.5	2.6	.75	.47	2.6
31	2.6	---	3.6	1.9	---	3.6	---	5.6	---	.72	.61	---
TOTAL	91.0	98.4	235.9	71.9	61.3	75.5	552.7	136.2	123.1	41.74	19.62	45.23
MEAN	2.94	3.28	7.61	2.32	2.19	2.44	18.4	4.39	4.10	1.35	.63	1.51
MAX	5.6	5.2	50	3.4	2.6	3.7	56	7.2	9.0	2.5	.95	10
MIN	1.8	1.9	2.5	1.7	1.5	2.0	3.4	2.7	2.3	.72	.47	.42
CFSM	1.51	1.68	3.90	1.19	1.12	1.25	9.45	2.25	2.10	.69	.32	.77
IN.	1.74	1.88	4.50	1.37	1.17	1.44	10.54	2.60	2.35	.80	.37	.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

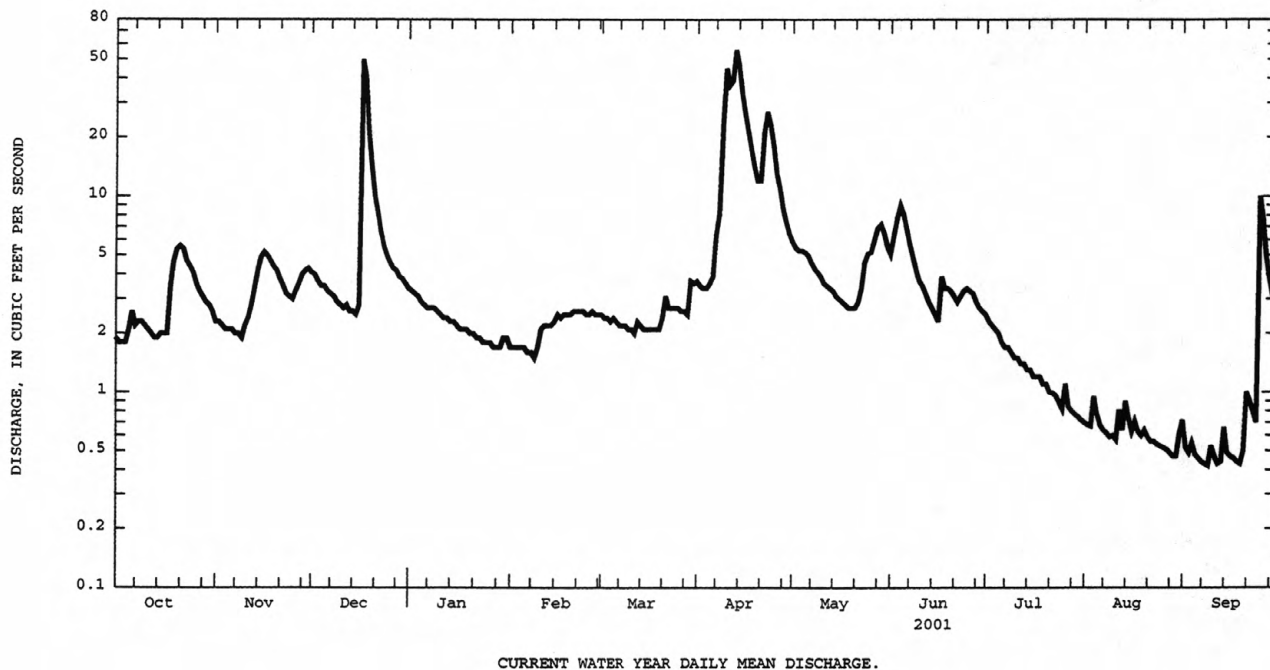
	1998	1999	2000	2001
MEAN	2.91	5.08	4.21	7.15
MAX	6.37	8.17	7.61	12.5
(WY)	2000	2000	2001	1998
MIN	1.06	1.67	1.69	2.32
(WY)	1998	1999	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1998 - 2001
ANNUAL TOTAL	2377.1	1552.59	
ANNUAL MEAN	6.49	4.25	5.73
HIGHEST ANNUAL MEAN			6.97
LOWEST ANNUAL MEAN			4.25
HIGHEST DAILY MEAN	59	56	80
LOWEST DAILY MEAN	1.7	.42	.34
ANNUAL SEVEN-DAY MINIMUM	1.8	.45	.43
ANNUAL RUNOFF (CFSM)	3.33	2.18	2.94
ANNUAL RUNOFF (INCHES)	45.35	29.62	39.91
10 PERCENT EXCEEDS	14	6.7	12
50 PERCENT EXCEEDS	4.1	2.6	3.4
90 PERCENT EXCEEDS	2.1	.64	.84

e Estimated

HUDSON RIVER BASIN

01362342 HOLLOW TREE BROOK AT LANESVILLE, NY--Continued



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 mi².

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 sea level, 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 ft³/s, Dec. 17, 2000, gage height, 8.85 ft, from rating curve extended above 1,300 ft³/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, 4.4 ft³/s, Oct. 6, 7, 1998; minimum gage height, 1.96 ft, Aug. 31, Sept. 8, 9, 10, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 7,600 ft³/s, Apr. 4, 1987, by computation of slope-area measurement at site 0.5 mi upstream (drainage area, 26.9 mi²). Discharges for other floods by computation of slope-area measurements at site 1.3 mi downstream (drainage area, 33.3 mi²), are as follows: 6,560 ft³/s, Nov. 25, 1950, and 4,460 ft³/s, Apr. 5, 1952.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1330	a*9,030	*8.85	Apr. 13	1815	1,010	4.46
Apr. 10	0015	1,010	4.46	Sept. 25	0545	680	4.13

a From rating curve extended as explained above.

Minimum discharge, 4.7 ft³/s, Aug. 31, Sept. 8, 9, 10, gage height, 1.96 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	21	47	e52	e15	e34	162	86	82	39	7.8	7.6
2	13	20	44	e49	e14	32	134	79	156	35	7.3	5.4
3	12	19	e42	e47	e13	31	109	73	187	32	7.1	5.2
4	12	19	e41	e44	e13	30	102	66	191	30	9.2	6.0
5	15	18	40	e42	e13	31	117	62	164	29	9.5	5.8
6	35	18	40	e41	e13	33	138	57	136	26	7.5	5.2
7	23	17	e38	e39	e13	30	185	53	114	24	6.8	5.0
8	19	16	e36	e38	13	e28	231	49	83	24	6.6	4.9
9	18	16	e34	e37	14	27	469	44	68	23	6.3	4.8
10	17	30	e33	e34	e32	26	819	42	58	21	6.2	5.1
11	17	33	e32	e31	e29	26	592	38	55	19	6.2	5.8
12	16	33	32	28	e44	26	613	36	51	18	11	5.0
13	16	31	e32	e24	e41	36	850	34	43	16	8.5	5.0
14	15	40	e32	e20	41	40	616	32	39	16	7.1	10
15	15	53	32	17	48	36	404	30	35	15	7.9	11
16	16	50	35	17	44	39	339	27	33	14	6.6	10
17	16	48	2080	16	41	42	291	26	122	15	7.8	7.9
18	34	44	740	15	e37	39	246	25	50	14	7.3	6.9
19	39	42	310	15	e36	39	214	24	39	13	6.4	6.6
20	35	40	212	14	e35	47	193	23	47	12	6.6	11
21	34	38	168	14	e34	64	192	21	48	11	6.5	30
22	32	36	135	e13	e33	158	263	41	40	10	6.1	16
23	31	33	e100	e13	e32	124	289	149	54	9.7	5.9	9.1
24	29	e32	e90	e12	e32	110	261	176	73	9.4	5.9	8.7
25	28	e31	e82	e11	37	102	219	124	61	8.9	5.4	294
26	27	50	e78	e11	41	93	179	108	53	14	5.3	108
27	26	57	e72	11	36	e84	149	138	48	11	5.3	57
28	25	50	e66	e10	35	78	127	146	42	9.3	5.3	43
29	24	49	e62	e10	---	73	109	135	39	8.9	5.2	36
30	23	50	e58	e12	---	233	96	116	37	8.4	5.2	30
31	22	---	e54	e16	---	217	---	97	---	8.1	5.3	---
TOTAL	697	1034	4897	753	829	2008	8708	2157	2248	543.7	211.1	766.0
MEAN	22.5	34.5	158	24.3	29.6	64.8	290	69.6	74.9	17.5	6.81	25.5
MAX	39	57	2080	52	48	233	850	176	191	39	11	294
MIN	12	16	32	10	13	26	96	21	33	8.1	5.2	4.8
CFSM	.71	1.09	5.01	.77	.94	2.06	9.21	2.21	2.38	.56	.22	.81
IN.	.82	1.22	5.78	.89	.98	2.37	10.28	2.55	2.65	.64	.25	.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

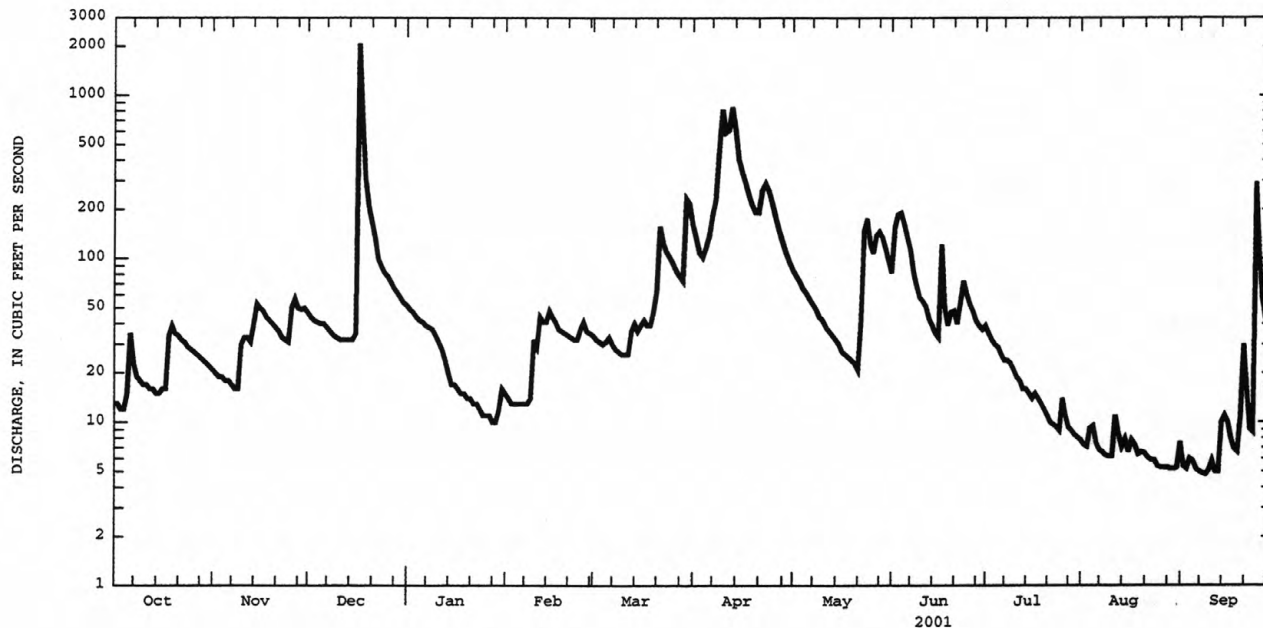
	1997	1998	1999	2000	2001
MEAN	28.3	74.5	74.9	119	73.4
MAX	61.5	126	158	228	110
(WY)	2000	1998	2001	1999	2000
MIN	13.8	22.2	22.5	24.3	29.6
(WY)	1998	1999	1999	2001	2001

e Estimated

HUDSON RIVER BASIN

01362380 STONY CLOVE CREEK NEAR PHOENICIA, NY--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1997 - 2001	
ANNUAL TOTAL	37054		24851.8		88.5	
ANNUAL MEAN	101		68.1		103	
HIGHEST ANNUAL MEAN					68.1	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	2080	Dec 17	2080	Dec 17	2080	Dec 17 2000
LOWEST DAILY MEAN	12	Oct 3	4.8	Sep 9	4.5	Oct 6 1998
ANNUAL SEVEN-DAY MINIMUM	13	Sep 28	5.1	Sep 7	4.7	Oct 1 1998
ANNUAL RUNOFF (CFSM)	3.21		2.16		2.81	
ANNUAL RUNOFF (INCHES)	43.76		29.35		38.18	
10 PERCENT EXCEEDS	252		149		183	
50 PERCENT EXCEEDS	48		33		44	
90 PERCENT EXCEEDS	19		7.3		8.0	



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

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 mi².

PERIOD OF RECORD.--July 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,300 ft above sea level, from topographic map.

REMARKS.--Records poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 236 ft³/s, Dec. 17, 2000, gage height, 4.53 ft, from rating curve extended above 40 ft³/s on basis of step-backwater analysis of peak flow; minimum, no flow part of each day Sept. 9-10, 2001.

EXTREMES FOR CURRENT PERIOD.--July to September 2000: Maximum discharge, 22 ft³/s, Aug. 16, gage height, 2.42 ft; minimum, 0.13 ft³/s, Sept. 8, gage height, 1.42 ft.

Water year 2001: Peak discharges greater than base discharge of 15 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1315	a*236	*4.53	Apr. 9	2115	19	2.37
Mar. 30	1115	26	2.49	June 3	0930	21	2.40

a From rating curve extended as explained above.

Minimum, no flow part of each day Sept. 9-10.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	2.5	.34
2	---	---	---	---	---	---	---	---	---	---	2.0	.53
3	---	---	---	---	---	---	---	---	---	---	1.7	.50
4	---	---	---	---	---	---	---	---	---	---	1.4	.48
5	---	---	---	---	---	---	---	---	---	---	1.2	.31
6	---	---	---	---	---	---	---	---	---	---	1.1	.25
7	---	---	---	---	---	---	---	---	---	---	1.1	.21
8	---	---	---	---	---	---	---	---	---	---	.82	.18
9	---	---	---	---	---	---	---	---	---	---	.70	.24
10	---	---	---	---	---	---	---	---	---	---	.55	.25
11	---	---	---	---	---	---	---	---	---	---	3.2	.20
12	---	---	---	---	---	---	---	---	---	---	3.4	.91
13	---	---	---	---	---	---	---	---	---	---	1.6	3.0
14	---	---	---	---	---	---	---	---	---	---	1.4	.61
15	---	---	---	---	---	---	---	---	---	---	1.3	.65
16	---	---	---	---	---	---	---	---	---	---	3.8	.33
17	---	---	---	---	---	---	---	---	---	---	1.6	.24
18	---	---	---	---	---	---	---	---	---	---	1.4	.19
19	---	---	---	---	---	---	---	---	---	---	1.2	.42
20	---	---	---	---	---	---	---	---	---	---	.97	.88
21	---	---	---	---	---	---	---	---	---	---	.85	.34
22	---	---	---	---	---	---	---	---	---	---	.74	.22
23	---	---	---	---	---	---	---	---	---	---	1.1	.23
24	---	---	---	---	---	---	---	---	---	---	.99	.25
25	---	---	---	---	---	---	---	---	---	---	.70	.20
26	---	---	---	---	---	---	---	---	---	---	.56	.33
27	---	---	---	---	---	---	---	---	---	2.1	.48	.27
28	---	---	---	---	---	---	---	---	---	1.2	.44	.21
29	---	---	---	---	---	---	---	---	---	3.2	.43	.20
30	---	---	---	---	---	---	---	---	---	2.4	.37	.19
31	---	---	---	---	---	---	---	---	---	2.2	.33	---
TOTAL	---	---	---	---	---	---	---	---	---	---	39.93	13.16
MEAN	---	---	---	---	---	---	---	---	---	---	1.29	.44
MAX	---	---	---	---	---	---	---	---	---	---	3.8	3.0
MIN	---	---	---	---	---	---	---	---	---	---	.33	.18
CFSM	---	---	---	---	---	---	---	---	---	---	1.31	.45
IN.	---	---	---	---	---	---	---	---	---	---	1.52	.50

HUDSON RIVER BASIN

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.17	.30	1.8	e.56	.84	.53	4.4	.79	1.0	.39	.04	.02
2	.16	.27	1.6	.55	.72	.49	3.8	.72	5.6	.27	.03	.02
3	.16	.26	1.5	.55	.63	.46	3.7	.66	5.0	.22	.03	.02
4	.19	.27	1.5	.55	.59	.45	4.5	.58	2.9	.21	.05	.02
5	.69	.27	1.5	.55	.55	.46	5.8	.51	2.3	.19	.05	.02
6	1.8	.27	1.4	.54	.54	.46	6.0	.48	1.8	.16	.04	.02
7	.45	.24	e1.3	.50	.48	.45	6.3	.45	1.3	.14	.03	.01
8	.23	.24	e1.2	.50	.46	.44	8.5	.42	1.1	.16	.03	.01
9	.28	.26	e1.1	.50	.57	.45	12	.40	.87	.17	.02	.01
10	.35	3.4	e1.1	.48	1.2	.42	14	.35	.70	.13	.02	.01
11	.32	1.9	1.1	.46	e.90	.42	9.6	.31	.83	.11	.02	.02
12	.29	1.5	e1.0	.46	.76	.42	8.6	.28	.82	.10	.22	.02
13	.25	1.4	e.90	.43	.70	1.0	6.7	.25	.58	.10	.07	.02
14	.24	2.4	e.90	.42	.67	.97	5.5	.22	.45	.09	.05	.06
15	.24	2.2	e.90	.42	.74	e.94	4.4	.21	.36	.09	.04	.03
16	.95	1.9	3.0	.42	.66	e.90	3.4	.21	.30	.09	.04	.02
17	1.2	1.7	57	.42	.64	e.86	2.8	.21	4.0	.10	.04	.02
18	3.6	1.7	20	.39	.59	e.82	2.3	.23	.82	.09	.03	.02
19	1.0	1.6	7.4	.39	.57	e.80	2.0	.21	.51	.08	.03	.02
20	.33	1.5	4.2	.39	e.56	e1.0	1.8	.18	.45	.08	.05	.21
21	.25	1.5	3.1	.37	e.56	2.5	1.7	.16	.48	.07	.05	.20
22	.21	1.4	2.2	.33	e.54	6.6	1.5	2.2	.45	.06	.04	.06
23	.20	1.3	e1.8	.32	e.50	3.7	1.4	5.3	1.3	.06	.03	.06
24	.20	1.1	1.4	.32	.50	3.3	1.3	2.2	1.1	.05	.03	.06
25	.20	1.1	e1.2	.31	e.58	2.9	1.1	1.9	.60	.04	.02	2.3
26	.20	3.5	e1.0	.29	e.70	2.5	1.1	2.2	.42	.09	.02	.26
27	.20	2.7	.85	.29	.61	3.5	1.0	3.7	.33	.07	.02	.12
28	.21	2.1	.66	.27	.56	1.9	.93	2.5	.26	.06	.02	.10
29	.27	1.9	.58	.27	---	1.8	.88	1.9	.23	.06	.02	.10
30	.28	2.0	e.58	2.2	---	13	.83	1.5	.22	.05	.02	.08
31	.32	---	e.58	1.1	---	6.0	---	1.2	---	.04	.02	---
TOTAL	15.44	42.18	124.35	15.55	17.92	60.44	127.84	32.43	37.08	3.62	1.22	3.94
MEAN	.50	1.41	4.01	.50	.64	1.95	4.26	1.05	1.24	.12	.039	.13
MAX	3.6	3.5	57	2.2	1.2	13	14	5.3	5.6	.39	.22	2.3
MIN	.16	.24	.58	.27	.46	.42	.83	.16	.22	.04	.02	.01
CFSM	.51	1.43	4.09	.51	.65	1.99	4.35	1.07	1.26	.12	.04	.13
IN.	.59	1.60	4.72	.59	.68	2.29	4.85	1.23	1.41	.14	.05	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	.50	1.41	4.01	.50	.64	1.95	4.26	1.05	1.24	.12	.66	.28
MAX	.50	1.41	4.01	.50	.64	1.95	4.26	1.05	1.24	.12	1.29	.44
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000	2000
MIN	.50	1.41	4.01	.50	.64	1.95	4.26	1.05	1.24	.12	.039	.13
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS

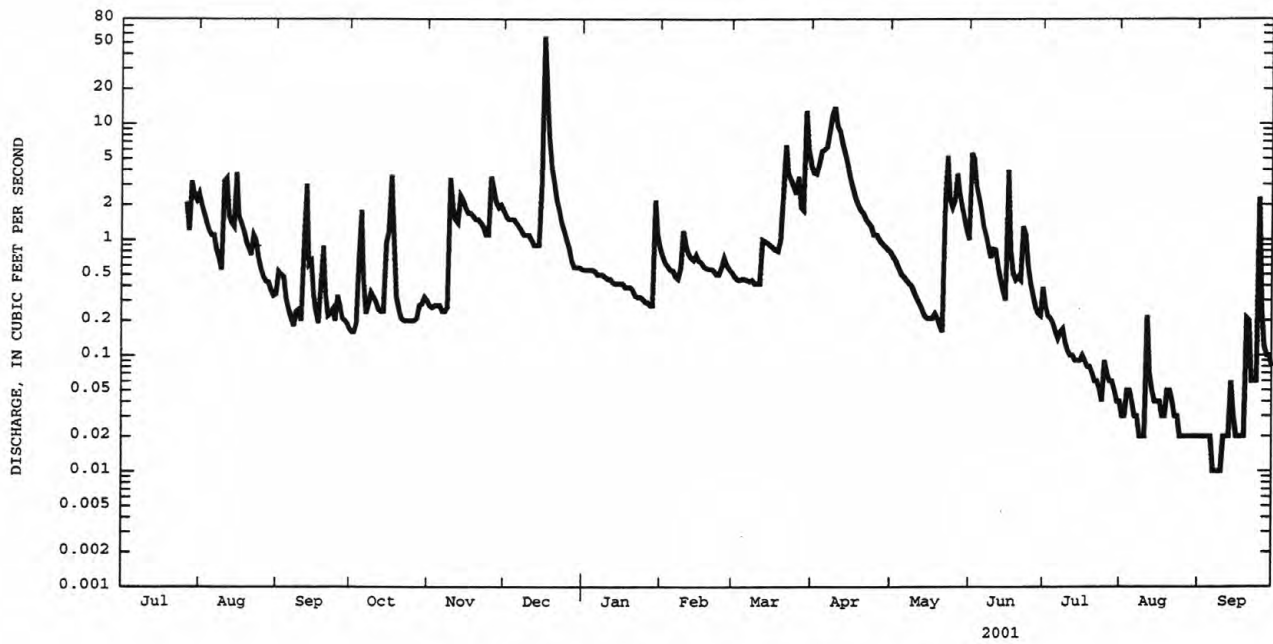
FOR 2001 WATER YEAR

WATER YEARS 2000 - 2001

ANNUAL TOTAL	482.01		
ANNUAL MEAN	1.32		
HIGHEST ANNUAL MEAN	1.32		2001
LOWEST ANNUAL MEAN	1.32		2001
HIGHEST DAILY MEAN	57	Dec 17	2000
LOWEST DAILY MEAN	.01	Sep 7	2001
ANNUAL SEVEN-DAY MINIMUM	.01	Sep 4	2001
ANNUAL RUNOFF (CFSM)	1.35		
ANNUAL RUNOFF (INCHES)	18.30		
10 PERCENT EXCEEDS	2.9		
50 PERCENT EXCEEDS	.48		
90 PERCENT EXCEEDS	.04		

e Estimated

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



DAILY MEAN DISCHARGE - JULY 2000 TO SEPTEMBER 2001

HUDSON RIVER BASIN

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 mi².

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

REVISED RECORDS.--WDR NY-99-1: 1998.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 660 ft above sea level, 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 ft³/s, Dec. 17, 2000, gage height, 8.36 ft, from rating curve extended above 400 ft³/s, on basis of step-backwater analysis; minimum discharge, 0.26 ft³/s, Aug. 12, 13, 1999, gage height, 1.41 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1315	a*2,190	*8.36	No other peak greater than base discharge.			

a From rating curve extended as explained above.

Minimum discharge, 0.28 ft³/s, Sept. 3, gage height, 1.64 ft.

REVISIONS.--Revised maximum, monthly, and yearly discharges, and statistical summaries for water years 1998-2000 are given below. These figures supercede those published in WDR NY Vol. 1, 1998, 1999, and 2000.

Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Water year	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Water year	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
1998	Jan. 8, 1998	1800	604	5.26	1999	Mar. 22, 1999	0645	a996	6.30
1998	June 14, 1998	1615	a*1,090	*6.47	1999	Sept. 16, 1999	1945	a*1,190	*6.70
1998	June 30, 1998	2000	a937	6.12	2000	June 6, 2000	1900	a*876	*6.03
1999	Jan. 18, 1999	1945	543	5.08	2000	July 15, 2000	2000	662	5.49
1999	Jan. 24, 1999	1330	611	5.28					

a From rating curve extended as explained above.

Revised monthly discharges:

MONTH	TOTAL	MEAN	MAX	MIN	CFSM	IN.
November 1997	2623	87.4	330	27	5.30	5.91
January 1998	2420	78.1	383	25	4.73	5.46
June 1998	2843.0	94.8	651	7.1	5.74	6.41
January 1999	3489.4	113	443	8.0	6.82	7.87
March 1999	2818	90.9	636	31	5.51	6.35
September 1999	1163.6	38.8	382	.59	2.35	2.62
February 2000	1413.4	48.7	240	8.8	2.95	3.19
June 2000	2263	75.4	527	16	4.57	5.10
July 2000	1502.3	48.5	326	4.3	2.94	3.39

Revised statistical summaries:

SUMMARY STATISTICS	1998 WTR YR	1998 CAL YR	1999 WTR YR	1999 CAL YR	2000 WTR YR
ANNUAL TOTAL	17002.9	13926.5	11197.01	13272.81	15304.5
ANNUAL MEAN	46.6	38.2	30.7	36.4	41.8
HIGHEST DAILY MEAN	651 Jun 14	651 Jun 14	636 Mar 22	636 Mar 22	527 Jun 7
LOWEST DAILY MEAN	1.1 Sep 14	1.1 Sep 14	.28 Aug 13	.28 Aug 13	4.3 Jul 13
ANNUAL SEVEN-DAY MINIMUM	1.2 Sep 13	1.2 Sep 13	.37 Aug 7	.37 Aug 7	5.7 Jul 7
ANNUAL RUNOFF (CFSM)	2.82	2.31	1.86	2.20	2.53
ANNUAL RUNOFF (INCHES)	38.33	31.40	25.24	29.92	34.50
10 PERCENT EXCEEDS	96	85	72	78	87
50 PERCENT EXCEEDS	28	13	8.8	19	26
90 PERCENT EXCEEDS	1.9	1.7	1.1	1.1	11

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	9.8	31	e28	19	e19	120	11	24	5.8	.90	.83
2	7.7	9.4	27	e26	18	17	99	10	88	5.3	.84	.49
3	7.2	9.2	24	e24	e17	17	86	10	102	4.8	.80	.38
4	6.7	9.0	23	e22	e16	16	82	9.6	78	4.6	1.0	.67
5	8.0	8.6	21	e20	e16	e16	87	9.3	58	4.6	1.2	.65
6	25	8.1	20	e19	e15	e16	92	8.0	45	4.2	1.3	.52
7	15	8.0	18	e18	15	16	94	8.1	35	3.5	1.1	.52
8	12	7.8	17	e17	15	15	114	7.7	28	3.5	.85	.62
9	11	7.6	17	e16	16	16	e170	7.3	23	3.9	.69	.52
10	10	37	e16	e15	49	15	e300	7.0	19	3.6	.65	.60
11	9.7	29	e15	e14	e30	15	e180	6.6	17	3.1	.74	.60
12	9.0	24	e15	e13	e21	14	e160	7.1	18	2.7	5.3	.55
13	8.5	22	e15	e13	e24	23	e190	5.0	14	2.3	4.4	.66
14	8.1	33	e15	e12	27	27	e120	5.4	12	2.2	2.8	2.0
15	7.7	40	e15	e12	29	25	e80	4.8	11	2.1	2.2	1.4
16	8.0	32	22	e12	27	30	51	4.5	9.4	2.1	1.7	1.1
17	9.2	29	855	e12	e24	34	41	4.3	22	2.2	1.5	.90
18	27	26	395	e11	e22	33	34	4.3	12	2.3	1.4	.79
19	25	25	161	e11	e20	34	28	4.5	9.8	2.1	1.2	.75
20	20	23	108	e11	e19	40	25	4.2	9.7	1.9	1.7	2.7
21	18	21	81	e10	e20	48	e26	3.9	9.1	1.7	1.6	8.1
22	17	20	68	e10	e19	120	e29	26	8.7	1.5	1.4	3.1
23	16	18	e58	e10	e18	102	e32	95	10	1.2	1.4	2.2
24	15	17	e54	e10	e17	95	e28	81	13	1.3	1.1	2.1
25	14	16	e49	e9.8	e18	82	e23	53	10	1.2	.92	37
26	14	43	e44	e9.6	25	68	e19	48	9.2	2.1	.77	6.7
27	13	45	e41	e9.4	21	58	16	72	7.9	2.0	.71	3.5
28	12	34	e38	e9.2	20	52	13	59	6.9	1.6	.72	2.9
29	11	31	e36	e9.0	---	47	12	46	6.2	1.2	.72	2.3
30	11	33	e33	19	---	222	12	37	5.8	1.1	.60	1.9
31	10	---	e30	21	---	174	---	29	---	.88	.59	---
TOTAL	393.8	675.5	2362	453.0	597	1506	2363	688.6	721.7	82.58	42.80	87.05
MEAN	12.7	22.5	76.2	14.6	21.3	48.6	78.8	22.2	24.1	2.66	1.38	2.90
MAX	27	45	855	28	49	222	300	95	102	5.8	5.3	37
MIN	6.7	7.6	15	9.0	15	14	12	3.9	5.8	.88	.59	.38
CFSM	.77	1.36	4.62	.89	1.29	2.94	4.77	1.35	1.46	.16	.08	.18
IN.	.89	1.52	5.33	1.02	1.35	3.40	5.33	1.55	1.63	.19	.10	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	11.7	38.4	35.6	56.8	42.8	69.2	51.0	38.7	49.8	20.8	11.2	14.1
MAX	20.6	87.4	76.2	113	54.2	90.9	78.8	64.5	94.8	48.5	39.9	38.8
(WY)	2000	1998	2001	1999	1999	1999	2001	1998	1998	2000	2000	1999
MIN	5.66	6.67	8.15	14.6	21.3	48.6	17.9	22.2	4.77	2.30	1.03	1.53
(WY)	1999	1999	1999	2001	2001	2001	1999	2001	1999	1999	1999	1998

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

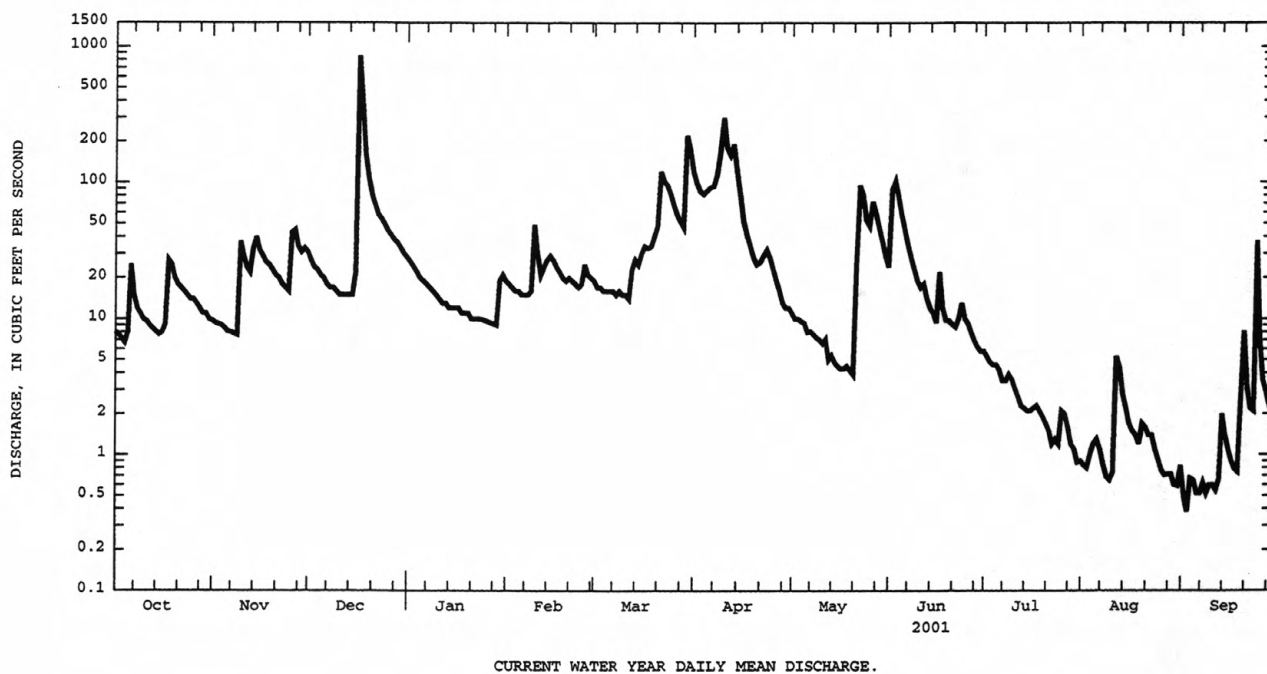
WATER YEARS 1998 - 2001

ANNUAL TOTAL	16031.8	9973.03	
ANNUAL MEAN	43.8	27.3	36.6
HIGHEST ANNUAL MEAN			46.6
LOWEST ANNUAL MEAN			27.3
HIGHEST DAILY MEAN	855	Dec 17	855
LOWEST DAILY MEAN	4.3	Jul 13	.38
ANNUAL SEVEN-DAY MINIMUM	5.7	Jul 7	.55
ANNUAL RUNOFF (CFSM)	2.65		1.66
ANNUAL RUNOFF (INCHES)	36.14		22.48
10 PERCENT EXCEEDS	87		58
50 PERCENT EXCEEDS	25		14
90 PERCENT EXCEEDS	9.2		1.2

e Estimated

HUDSON RIVER BASIN

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



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 mi².

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 sea level. 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 ft³/s, Mar. 21, 1980, gage height 21.94 ft, from rating curve extended above 13,000 ft³/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, 29,200 ft³/s, Dec. 17, gage height, 16.21 ft, from rating curve extended as explained above; minimum discharge, 220 ft³/s, Sept. 13, 19, 20; minimum gage height, 4.22 ft, Jan. 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	618	541	484	e410	356	378	1010	417	579	453	272	251
2	335	498	435	e400	340	378	896	406	1220	413	269	235
3	323	375	417	e380	323	370	830	438	1300	336	270	232
4	322	370	408	e360	311	361	826	505	1140	326	275	237
5	333	365	405	e350	325	365	863	494	803	328	273	234
6	453	361	390	e340	329	364	943	476	654	339	268	230
7	382	357	368	e330	320	355	1120	464	549	332	264	230
8	357	354	343	e320	315	344	1410	453	405	330	261	229
9	346	351	337	e320	325	349	2130	443	359	328	258	227
10	340	469	320	330	594	336	3520	432	323	318	256	230
11	336	455	e310	376	518	331	2690	423	315	381	255	232
12	331	427	e310	351	492	327	2600	416	327	504	292	224
13	327	418	316	336	508	385	3450	406	310	595	281	225
14	322	460	331	337	466	429	2680	399	357	761	274	246
15	320	499	324	325	498	394	1840	387	339	750	271	239
16	328	469	348	323	435	419	1450	382	328	681	265	234
17	329	459	9740	320	416	436	1170	435	1030	572	268	231
18	433	447	4100	314	384	424	960	643	666	566	265	227
19	520	436	1840	311	376	421	805	638	552	536	259	223
20	660	427	1240	310	380	454	696	630	518	461	262	239
21	647	419	914	305	405	512	661	624	504	455	259	291
22	637	407	758	324	368	1220	856	721	462	450	249	251
23	625	397	614	367	387	992	960	1160	478	434	244	232
24	623	385	558	362	364	855	833	1170	527	348	244	225
25	614	379	460	270	368	765	685	749	457	287	243	834
26	604	518	423	266	402	686	570	685	445	306	241	437
27	596	562	e400	270	374	621	528	830	479	291	241	342
28	582	499	e420	263	366	580	466	815	457	281	240	370
29	569	485	e440	263	---	552	418	733	443	278	238	587
30	557	501	e440	297	---	1460	399	585	431	275	235	534
31	549	---	e420	370	---	1210	---	528	---	274	234	---
TOTAL	14318	13090	28613	10200	11045	17073	38265	17887	16757	12989	8026	8758
MEAN	462	436	923	329	394	551	1276	577	559	419	259	292
MAX	660	562	9740	410	594	1460	3520	1170	1300	761	292	834
MIN	320	351	310	263	311	327	399	382	310	274	234	223

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2001, BY WATER YEAR (WY)

	MEAN	464	772	877	817	780	1156	1362	884	601	490	384	392
MAX	2509	1699	2083	2123	2756	2810	3309	2320	1216	1364	1460	1194	
(WY)	1956	1943	1974	1996	1981	1936	1940	1989	1972	1945	1933	1937	
MIN	22.3	43.6	178	145	137	406	552	410	233	52.0	44.9	27.3	
(WY)	1942	1965	1965	1981	1980	1960	1985	1993	1933	1965	1962	1962	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

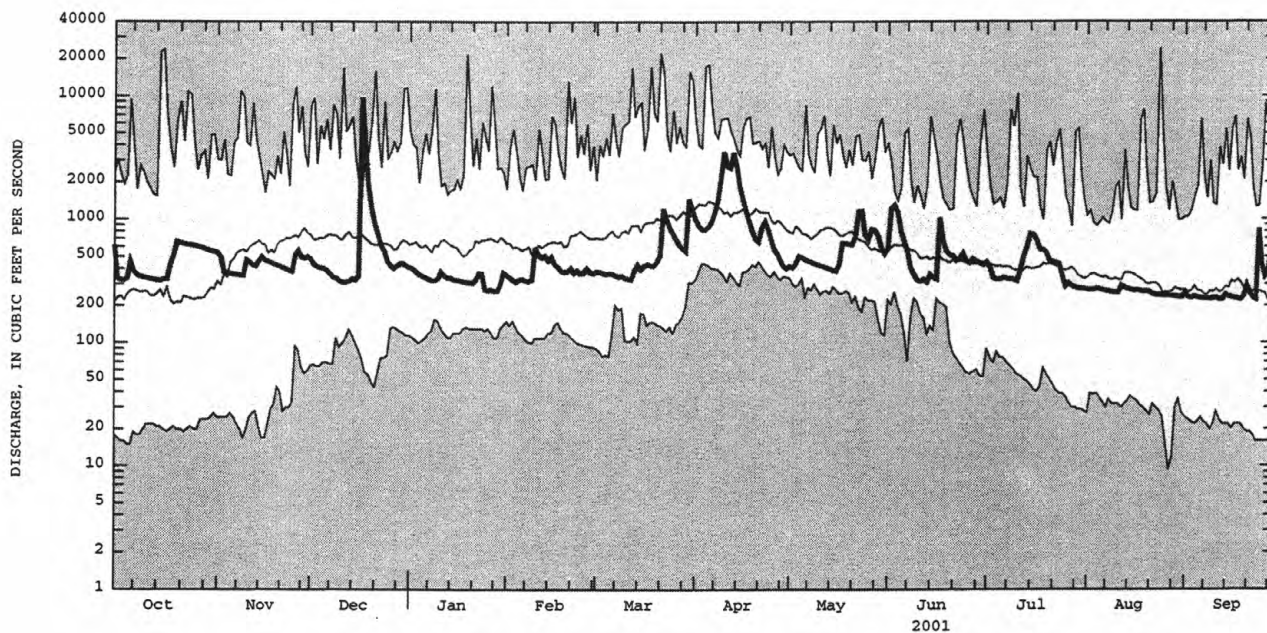
WATER YEARS 1932 - 2001

ANNUAL TOTAL	273104	197021		
ANNUAL MEAN	746	540	748	
HIGHEST ANNUAL MEAN			1035	1952
LOWEST ANNUAL MEAN			419	1985
HIGHEST DAILY MEAN	9740	Dec 17	24400	Aug 24 1933
LOWEST DAILY MEAN	288	Jul 13	9.3	Aug 27 1949
ANNUAL SEVEN-DAY MINIMUM	314	Jul 7	16	Sep 24 1943
10 PERCENT EXCEEDS	1210		831	1450
50 PERCENT EXCEEDS	566		399	535
90 PERCENT EXCEEDS	361		259	171

e Estimated

HUDSON RIVER BASIN

01362500 ESOPUS CREEK AT COLDBROOK, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01362500 ESOPUS CREEK AT COLDBROOK, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1996 to current year.

INSTRUMENTATION.--Water-temperature satellite and telephone telemeter provides 15-minute-interval readings.

REMARKS.--Interruption of record was due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.0°C, July 23, Aug. 1, 16, 17, 1999, Aug. 31, 2001; minimum (water year 1997-2001), 0.0°C on many days during winter period.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.0°C, Aug. 31; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	17.5	14.0	15.5	10.0	8.0	8.5	3.5	2.0	3.0	.0	.0	.0
2	17.0	13.0	15.0	10.5	8.0	8.5	2.0	.5	1.5	.0	.0	.0
3	17.5	14.0	15.5	10.0	7.5	8.5	1.5	.0	.5	.0	.0	.0
4	15.5	13.5	14.5	10.5	8.5	9.5	2.0	.0	.5	.0	.0	.0
5	14.5	13.5	14.0	9.0	7.5	8.5	2.5	.5	1.5	.0	.0	.0
6	14.5	13.0	13.5	9.0	6.5	8.0	1.5	.0	.5	.0	.0	.0
7	15.0	12.0	13.0	9.5	6.5	8.0	1.0	.0	.5	.0	.0	.0
8	13.0	11.0	11.5	9.5	7.0	8.0	1.0	.0	.5	.5	.0	.0
9	11.5	9.5	10.5	9.5	7.5	8.5	1.0	.0	.5	.5	.0	.5
10	11.5	9.5	10.5	9.5	9.0	9.0	1.0	.0	.0	.0	.0	.0
11	13.5	10.0	11.5	9.5	8.5	9.0	2.0	1.0	1.5	.5	.0	.0
12	14.5	10.5	12.0	9.5	7.5	8.5	2.5	.0	1.5	1.5	.0	.5
13	14.5	10.5	12.5	8.0	7.5	7.5	.5	.0	.0	.5	.0	.0
14	15.5	11.5	13.5	8.5	7.0	8.0	1.0	.0	.5	1.0	.0	.5
15	15.5	12.0	13.5	7.0	6.0	6.5	1.5	.0	1.0	1.5	1.0	1.0
16	13.5	12.0	12.5	7.0	5.5	6.5	1.5	.0	1.0	2.0	1.0	1.5
17	12.5	11.5	12.0	7.0	5.0	6.0	3.0	.5	1.5	2.0	1.0	1.5
18	12.0	11.5	12.0	6.0	5.0	5.5	2.5	1.5	2.0	1.5	.5	1.0
19	12.5	10.5	11.5	6.0	4.0	5.0	2.5	1.5	2.0	1.5	1.0	1.5
20	13.0	10.0	11.5	5.0	3.0	4.0	2.0	1.0	1.5	1.5	1.0	1.5
21	13.5	10.5	12.0	4.5	2.5	3.5	1.0	.0	.5	1.0	.0	.0
22	13.0	10.5	11.5	3.0	1.5	2.0	1.5	.0	1.0	.5	.0	.0
23	12.5	9.5	10.5	2.5	.5	1.5	.0	.0	.0	1.0	.0	.0
24	13.0	10.0	11.5	2.0	.0	1.0	.0	.0	.0	2.0	.0	.5
25	13.5	11.5	12.0	2.5	.5	1.5	.0	.0	.0	2.0	.0	1.0
26	14.0	11.5	12.5	3.5	2.0	3.0	.0	.0	.0	.5	.0	.0
27	13.0	11.0	12.0	4.5	3.5	4.0	.0	.0	.0	1.5	.0	.5
28	12.0	9.0	11.0	5.0	4.0	4.5	.0	.0	.0	1.5	.0	.5
29	9.5	8.0	8.5	5.5	3.5	4.5	.0	.0	.0	1.5	.0	.5
30	10.0	7.5	8.5	5.0	3.5	4.0	.0	.0	.0	1.0	.5	1.0
31	9.5	7.5	8.5	---	---	---	.0	.0	.0	2.5	.5	1.5
MONTH	17.5	7.5	12.0	10.5	.0	6.0	3.5	.0	.5	2.5	.0	.5

HUDSON RIVER BASIN

01362500 ESOPUS CREEK AT COLDBROOK, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.5	1.5	1.5	1.5	.0	.5	2.5	2.0	2.5	14.5	9.0	11.5
2	2.0	.5	1.5	2.0	.0	1.0	4.0	2.0	3.0	14.5	10.0	12.5
3	.5	.0	.0	2.5	1.0	1.5	4.5	2.0	3.0	16.0	10.5	13.0
4	.0	.0	.0	1.0	.0	.5	6.0	2.0	4.0	16.0	10.5	13.0
5	.0	.0	.0	.0	.0	.0	7.0	2.5	4.5	13.5	10.5	12.0
6	1.5	.0	1.0	.5	.0	.0	4.5	3.0	3.5	14.0	8.0	10.5
7	2.5	.5	1.0	4.0	.0	1.5	4.0	3.5	3.5	14.0	8.0	10.5
8	1.0	.0	.5	3.0	.0	1.5	4.0	3.0	3.5	14.5	7.5	10.5
9	2.5	1.0	1.5	2.0	.0	.5	7.5	3.0	5.0	13.5	8.5	11.0
10	2.5	.0	1.5	3.5	.5	1.5	7.0	4.0	5.0	15.0	8.5	11.5
11	.5	.0	.0	2.5	.0	1.0	5.5	4.0	5.0	15.5	9.5	12.0
12	.5	.0	.0	4.0	.0	2.0	6.0	4.5	5.0	14.5	10.5	12.0
13	2.0	.0	.5	2.0	1.0	1.5	8.5	5.0	6.0	14.0	9.0	11.0
14	1.5	.0	1.0	3.0	1.0	2.0	8.0	4.5	6.0	13.0	8.0	10.5
15	2.5	1.5	2.0	3.5	1.0	2.5	8.0	4.5	6.5	13.5	8.5	10.5
16	1.5	.5	1.0	4.0	1.0	2.5	7.5	5.5	6.5	13.0	9.5	11.0
17	1.5	.0	1.0	3.0	1.5	2.5	7.0	4.5	6.0	11.5	10.0	10.5
18	1.0	.0	.0	4.0	1.5	2.5	8.5	4.5	6.0	11.5	9.0	10.0
19	1.0	.0	.5	5.0	.5	2.5	8.0	3.0	5.5	14.5	9.0	11.0
20	3.5	.5	2.0	5.5	1.0	3.0	9.0	3.5	6.5	12.5	9.5	11.0
21	2.5	.0	1.5	3.0	1.5	2.5	10.0	6.5	8.5	14.5	10.0	11.5
22	.0	.0	.0	2.5	1.0	1.5	14.0	8.0	10.5	12.5	10.0	11.5
23	.5	.0	.0	2.5	1.5	2.0	13.5	8.5	11.0	12.5	11.5	12.0
24	1.0	.0	.5	3.5	1.5	2.5	15.0	10.0	12.0	13.5	11.0	12.0
25	.5	.0	.0	4.0	.5	2.0	11.5	8.0	9.5	12.0	10.5	11.5
26	2.0	.5	1.0	2.5	.5	1.5	12.0	6.0	9.0	11.5	10.5	11.0
27	3.0	.0	1.0	3.5	.0	1.5	11.0	6.5	9.0	12.0	11.0	11.5
28	1.5	.0	.5	4.0	1.0	2.0	12.0	7.0	9.5	14.0	11.0	12.0
29	---	---	---	3.5	1.0	2.5	12.0	6.0	9.0	13.5	11.0	12.0
30	---	---	---	3.0	.5	1.0	13.5	7.0	10.0	13.0	10.0	11.0
31	---	---	---	2.5	1.0	2.0	---	---	---	13.5	9.5	11.0
MONTH	3.5	.0	1.0	5.5	.0	1.5	15.0	2.0	6.5	16.0	7.5	11.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	13.0	9.0	11.0	19.0	15.0	16.5	22.0	16.0	19.0	24.0	20.0	21.5
2	13.5	11.0	12.5	18.0	12.5	15.0	23.0	17.0	19.5	23.0	17.0	20.0
3	13.0	12.0	12.5	17.0	12.5	15.0	21.5	18.0	19.5	23.0	17.0	20.0
4	13.5	11.5	12.5	17.5	13.0	15.5	22.5	18.5	20.0	22.0	18.0	20.0
5	15.0	11.0	13.0	19.5	14.5	16.5	24.0	18.0	21.0	23.0	18.0	20.0
6	15.5	12.0	13.5	18.5	13.5	15.5	24.0	18.5	21.0	23.0	16.5	20.0
7	15.5	11.0	13.5	19.0	13.0	16.0	24.0	19.0	21.5	23.5	17.0	20.0
8	17.5	11.5	14.5	17.5	14.5	15.5	24.5	19.5	22.0	24.0	18.0	21.0
9	17.0	11.5	14.5	21.0	15.0	17.5	24.5	19.0	21.5	24.5	18.5	21.5
10	18.0	12.0	15.0	20.0	15.0	17.0	22.5	20.0	21.0	21.5	19.5	20.5
11	15.5	12.5	14.0	19.5	14.5	17.0	22.0	19.0	20.5	23.0	17.5	20.0
12	19.5	13.0	16.0	19.0	14.5	16.5	21.0	19.5	20.0	23.0	17.0	20.0
13	21.0	14.5	17.5	17.5	14.0	15.5	23.0	19.5	21.0	22.5	17.0	19.5
14	20.5	14.0	17.0	19.5	15.5	17.5	22.5	19.0	20.5	20.0	17.5	18.5
15	21.0	15.0	17.5	20.0	16.0	18.0	23.0	18.0	20.5	20.5	15.0	18.0
16	20.5	15.5	17.5	21.5	16.0	18.5	23.5	18.5	21.0	21.0	15.0	18.0
17	17.0	14.5	16.0	19.0	16.5	17.5	23.0	19.0	21.0	21.0	15.0	18.0
18	18.5	13.5	15.5	21.5	16.5	18.5	23.0	18.0	21.0	21.5	15.5	18.0
19	20.0	13.0	16.0	20.5	16.5	18.5	24.5	19.0	21.5	21.0	16.0	18.5
20	19.5	14.0	16.0	21.5	15.5	18.5	23.0	20.5	21.5	18.5	17.5	18.0
21	16.0	14.0	15.0	22.0	16.0	18.5	23.5	18.5	21.0	21.0	17.0	18.5
22	15.5	13.0	14.0	21.5	16.0	19.0	24.5	19.0	21.5	21.0	16.5	18.5
23	15.5	14.0	14.5	---	---	---	21.0	18.5	20.0	20.5	16.0	18.0
24	17.5	14.0	15.5	23.2	17.2	---	24.5	19.5	21.5	19.0	16.0	17.5
25	18.5	13.5	15.5	24.0	16.5	20.0	24.0	18.0	21.0	18.5	16.0	17.0
26	20.5	14.0	16.5	20.5	17.5	18.5	24.0	18.5	21.0	16.5	14.0	15.0
27	20.5	14.0	17.0	21.5	14.0	18.0	23.0	19.5	21.0	15.5	13.5	14.5
28	20.0	14.5	17.0	20.5	14.5	17.5	24.0	19.5	21.5	16.5	13.5	14.5
29	19.5	14.0	16.5	21.0	16.0	18.5	24.0	19.0	21.0	16.5	14.5	15.5
30	20.5	14.5	17.0	22.5	15.5	18.5	22.5	18.5	20.5	16.5	13.5	14.5
31	---	---	---	22.5	15.5	18.5	25.0	20.0	22.0	---	---	---
MONTH	21.0	9.0	15.0	---	---	---	25.0	16.0	21.0	24.5	13.5	18.5

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 mi².

PERIOD OF RECORD.--August 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 700 ft above sea level, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,620 ft³/s, Dec. 17, 2000, gage height, 6.15 ft, from rating curve extended above 330 ft³/s on basis of step-backwater analysis; minimum discharge, 2.1 ft³/s, Sept. 8, 9, 10, 12, 13, 2001, gage height, 1.63 ft.

EXTREMES FOR CURRENT PERIOD.--August to September 2000: Maximum discharge, 265 ft³/s, Sept. 2, gage height, 3.55 ft; minimum, 14 ft³/s, Sept. 1, gage height, 2.02 ft.

Water year 2001: Peak discharges greater than base discharge of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1245	a*1,620	*6.15	May 23	2400	319	3.70
Apr. 9	2345	437	4.02	Sept. 25	0530	456	4.07
Apr. 13	1530	319	3.70				

a From rating curve extended as explained above.

Minimum discharge, 2.1 ft³/s, Sept. 8, 9, 10, 12, 13, gage height, 1.63 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

[illegible]

HUDSON RIVER BASIN

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	17	37	e26	19	25	93	30	55	20	3.7	2.7
2	15	16	34	e24	17	24	82	28	127	15	3.6	2.5
3	14	16	32	e24	15	23	75	26	124	13	4.8	2.4
4	14	15	31	24	14	22	72	24	110	12	8.2	2.6
5	16	15	29	23	e14	22	76	23	92	13	5.5	2.8
6	31	14	27	22	e14	22	83	21	76	11	4.4	2.5
7	18	14	26	21	14	20	96	20	64	9.7	4.0	2.3
8	16	13	24	20	14	19	123	19	54	10	3.7	2.2
9	15	13	23	18	16	20	223	18	46	10	3.4	2.2
10	15	48	22	17	54	18	371	17	39	8.7	3.3	2.2
11	15	36	e21	e16	32	e17	266	16	37	8.9	3.4	2.4
12	14	34	e21	16	30	17	248	15	34	7.9	11	2.2
13	13	33	e20	15	33	28	291	14	28	7.5	6.0	2.2
14	13	47	e20	15	35	28	229	13	25	7.2	5.3	3.9
15	12	46	20	15	42	25	163	13	23	6.8	5.1	3.0
16	14	44	27	14	34	28	132	12	21	6.6	4.2	2.6
17	15	43	590	14	32	29	110	12	60	6.7	4.1	2.5
18	36	39	347	13	28	27	92	12	29	6.6	3.9	2.4
19	29	37	177	13	27	27	79	11	23	5.9	3.7	2.3
20	27	35	123	13	e26	32	70	10	22	5.5	3.6	7.5
21	27	32	94	12	e24	38	66	10	22	5.2	3.7	15
22	25	30	79	11	23	113	74	48	21	4.9	3.4	4.9
23	25	28	65	11	e23	89	76	180	27	4.6	3.3	3.8
24	24	26	e52	e11	23	80	70	255	27	4.4	3.2	3.4
25	23	24	e41	11	e24	69	60	144	21	4.2	3.0	98
26	21	46	e37	10	e26	60	51	109	18	5.8	2.9	23
27	21	41	e35	e10	27	52	45	118	16	5.0	2.8	15
28	20	37	e32	10	26	48	40	103	15	4.4	2.8	12
29	19	37	e29	9.6	---	45	36	88	14	4.2	3.0	11
30	18	39	e28	17	---	141	33	76	15	4.1	2.7	8.9
31	18	---	e27	22	---	113	---	64	---	3.9	2.6	---
TOTAL	599	915	2170	497.6	706	1321	3525	1549	1285	242.7	128.3	250.4
MEAN	19.3	30.5	70.0	16.1	25.2	42.6	118	50.0	42.8	7.83	4.14	8.35
MAX	36	48	590	26	54	141	371	255	127	20	11	98
MIN	12	13	20	9.6	14	17	33	10	14	3.9	2.6	2.2
CFSM	1.19	1.88	4.32	.99	1.56	2.63	7.25	3.08	2.64	.48	.26	.52
IN.	1.38	2.10	4.98	1.14	1.62	3.03	8.09	3.56	2.95	.56	.29	.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

	MEAN	19.3	30.5	70.0	16.1	25.2	42.6	118	50.0	42.8	7.83	4.14	22.0
MAX	19.3	30.5	70.0	16.1	25.2	42.6	118	50.0	42.8	7.83	4.14	35.6	
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000	
MIN	19.3	30.5	70.0	16.1	25.2	42.6	118	50.0	42.8	7.83	4.14	8.35	
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	

SUMMARY STATISTICS

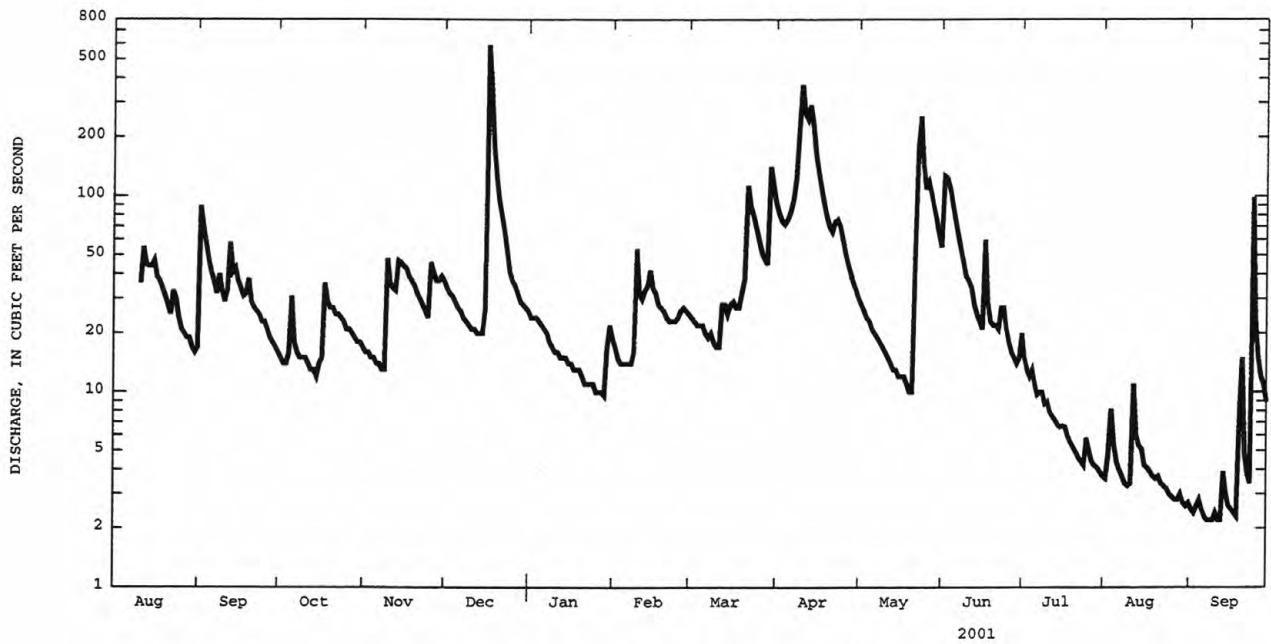
FOR 2001 WATER YEAR

WATER YEARS 2000 - 2001

ANNUAL TOTAL	13189.0		
ANNUAL MEAN	36.1		
HIGHEST ANNUAL MEAN		36.1	2001
LOWEST ANNUAL MEAN		36.1	2001
HIGHEST DAILY MEAN	590	Dec 17	2000
LOWEST DAILY MEAN	2.2	Sep 8	2001
ANNUAL SEVEN-DAY MINIMUM	2.2	Sep 7	2001
ANNUAL RUNOFF (CFSM)	2.23		
ANNUAL RUNOFF (INCHES)	30.29		
10 PERCENT EXCEEDS	81		
50 PERCENT EXCEEDS	21		
90 PERCENT EXCEEDS	3.7		

e Estimated

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



DAILY MEAN DISCHARGE - AUGUST 2000 TO SEPTEMBER 2001

HUDSON RIVER BASIN

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 mi².

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 sea level. 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 mi² 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 mi², together with spillage during high stages from the upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 28,000 ft³/s, Apr. 26, 1910, gage height, 25.10 ft, datum then in use; maximum discharge since March 1970, 22,500 ft³/s, Apr. 5, 1987, gage height, 24.78 ft; minimum discharge, 5.3 ft³/s, Aug. 10, 1999, gage height, 11.51 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,400 ft³/s, Dec. 17, gage height, 21.99 ft; minimum, 11 ft³/s, Sept. 13, gage height, 11.77 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	89	310	176	174	e240	1300	e210	209	108	21	18
2	81	87	272	166	191	e230	925	e200	625	104	20	17
3	80	84	231	162	195	e220	733	e190	1020	91	19	16
4	73	83	204	162	e170	e210	619	e180	872	83	33	15
5	76	79	193	156	e160	e210	560	e170	757	90	31	17
6	179	76	181	153	184	e220	540	e160	710	87	25	16
7	212	74	164	148	176	e210	543	e150	526	71	22	15
8	153	72	149	143	163	e200	619	e140	366	65	20	14
9	126	71	139	e130	163	e210	723	e140	260	64	18	13
10	115	177	128	e120	228	e210	959	e130	195	60	17	13
11	105	378	131	e120	e260	e220	775	e130	161	58	16	13
12	97	321	145	126	e210	e240	1510	e120	161	55	21	13
13	90	271	149	115	e210	270	3230	e120	140	49	50	12
14	88	263	136	112	e210	395	4190	e110	121	45	46	18
15	80	428	134	114	e250	404	3820	e100	106	43	35	20
16	77	372	134	114	e260	467	2800	e100	95	41	30	17
17	83	311	5180	113	e260	553	2290	e100	234	41	26	15
18	132	264	5240	114	e210	565	1910	e100	e210	39	25	14
19	305	228	1760	114	e200	566	1530	e100	e150	37	23	13
20	244	204	1060	119	e190	611	1030	e96	120	34	22	14
21	199	187	715	e110	e200	687	657	e90	112	32	27	44
22	173	170	559	109	e190	1650	492	e130	106	30	30	45
23	154	156	425	105	e190	1600	468	e230	126	28	26	33
24	141	140	358	104	e190	1210	520	e240	542	26	24	27
25	134	130	e300	103	e200	975	634	e220	331	25	22	65
26	127	171	e260	96	e270	762	503	e200	224	26	20	81
27	118	401	236	97	e270	595	411	e300	172	29	18	56
28	110	347	218	94	e260	503	344	e500	140	26	17	51
29	102	293	194	91	---	438	301	423	117	24	18	51
30	95	302	176	104	---	1490	e220	322	108	22	18	39
31	92	---	192	152	---	2240	---	251	---	22	17	---
TOTAL	3927	6229	19673	3842	5834	18601	35156	5652	9016	1555	757	795
MEAN	127	208	635	124	208	600	1172	182	301	50.2	24.4	26.5
MAX	305	428	5240	176	270	2240	4190	500	1020	108	50	81
MIN	73	71	128	91	160	200	220	90	95	22	16	12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2001, BY WATER YEAR (WY)

	MEAN	227	424	514	476	489	782	1201	715	405	186	91.2	127
MAX	855	1978	2775	1887	1745	2049	3306	1738	1773	1163	426	609	
(WY)	1997	1914	1997	1978	1976	1977	1987	1998	1972	1996	1990	1987	
MIN	21.0	28.3	67.3	31.6	59.4	167	136	97.9	37.5	14.4	12.4	13.6	
(WY)	1981	1985	1999	1981	1980	1981	1985	1995	1991	1993	1993	1980	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

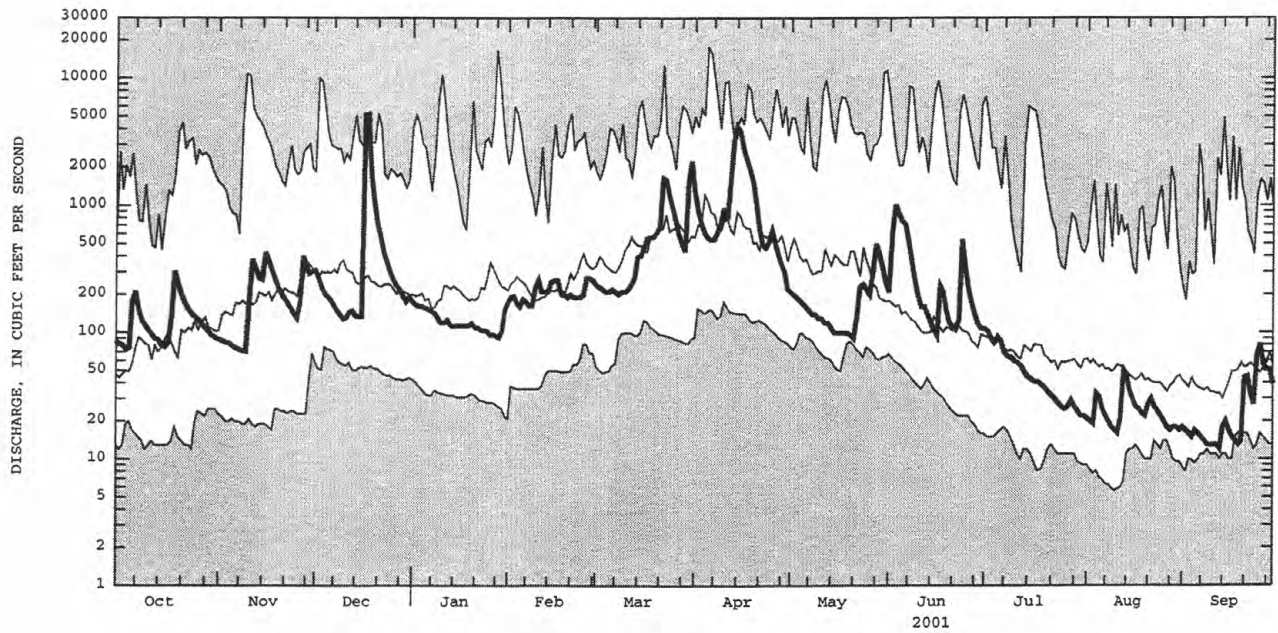
FOR 2001 WATER YEAR

WATER YEARS 1914 - 2001

ANNUAL TOTAL	162364	111037											
ANNUAL MEAN	444	304											
HIGHEST ANNUAL MEAN										464			
LOWEST ANNUAL MEAN										908			1978
HIGHEST DAILY MEAN	8670	Jun 7	5240	Dec 18	17800	Apr 5	1987			98.5			1985
LOWEST DAILY MEAN	54	Jul 14	12	Sep 13	5.6	Aug 10	1999			6.1			
ANNUAL SEVEN-DAY MINIMUM	65	Jul 8	13	Sep 7	6.1	Aug 7	1999						
10 PERCENT EXCEEDS	900		619		1200								
50 PERCENT EXCEEDS	226		148		172								
90 PERCENT EXCEEDS	92		22		31								

e Estimated

01364500 ESOPUS CREEK AT MOUNT MARION, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those above 400 ft³/s and those for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 803 ft³/s, Oct. 20, 1996, gage height, 4.13 ft, from rating curve extended above 200 ft³/s; minimum discharge, 1.3 ft³/s, Sept. 12, 13, 18, 19, 20, 2001; 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1300	a*775	*4.08	Apr. 13	1600	210	2.63
Apr. 9	2215	239	2.75				

a From rating curve extended above 200 ft³/s.

Minimum discharge, 1.3 ft³/s, Sept. 12, 13, 18, 19, 20, gage height, 0.38 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	6.9	11	13	6.4	e8.0	15	15	17	9.4	2.5	1.6
2	8.6	6.7	11	12	6.0	e8.0	14	15	56	7.9	2.5	1.5
3	8.2	6.6	10	12	5.5	8.0	13	14	42	7.2	2.6	1.5
4	8.1	6.4	10	e11	e5.4	7.8	14	13	31	7.2	3.7	1.9
5	9.3	6.3	9.9	11	e5.4	e8.0	16	12	25	7.1	2.8	1.6
6	16	6.1	9.4	11	e5.4	8.0	19	12	22	6.3	2.5	1.5
7	9.3	6.0	8.9	10	5.4	7.8	27	11	20	5.9	2.4	1.4
8	8.4	5.8	8.7	10	5.4	7.6	31	11	18	6.7	2.3	1.4
9	8.1	5.8	8.3	9.7	6.7	7.7	101	10	16	6.2	2.2	1.4
10	7.9	17	8.1	e8.8	11	7.4	137	9.6	15	5.3	2.2	1.6
11	7.6	10	8.0	8.9	7.7	7.2	87	9.1	15	4.7	2.2	1.5
12	7.4	8.1	8.9	8.6	e7.0	7.2	107	8.6	14	4.4	5.2	1.4
13	7.1	8.0	7.7	8.3	e6.8	10	167	8.2	13	4.3	2.6	1.4
14	7.0	14	8.1	8.1	e7.4	9.6	96	7.8	12	4.2	2.7	2.5
15	6.8	13	7.4	7.9	9.1	8.5	68	7.5	11	4.0	2.3	1.5
16	7.3	11	9.8	7.7	8.0	8.7	54	7.3	11	3.9	2.0	1.4
17	7.1	11	235	7.4	7.6	8.7	43	7.2	25	4.0	2.1	1.4
18	17	11	71	7.1	e7.6	8.2	36	7.2	12	3.8	1.9	1.3
19	11	10	39	7.0	e7.6	8.1	31	6.7	11	3.6	1.9	1.3
20	8.6	10	30	6.8	7.8	8.7	29	6.4	11	3.4	2.2	4.5
21	8.3	10	26	6.6	7.7	9.6	29	6.2	10	3.3	1.9	6.6
22	8.1	9.6	23	e6.0	e7.6	23	40	18	10	3.2	1.7	2.1
23	8.0	9.0	21	e6.0	e7.4	15	36	54	12	3.1	1.7	1.7
24	8.0	8.6	20	6.0	e7.0	13	33	48	12	3.0	1.7	1.7
25	7.9	8.3	e19	5.8	9.4	13	26	25	9.8	2.9	1.6	38
26	7.8	18	e16	e5.6	11	12	22	23	9.1	3.9	1.6	6.1
27	7.6	15	e15	5.5	8.6	e12	20	33	8.5	3.0	1.6	3.8
28	7.4	12	e14	5.3	e8.0	12	18	30	8.0	2.8	1.7	3.7
29	7.3	11	e14	5.2	---	12	17	25	7.8	2.8	1.6	4.2
30	7.2	11	e14	8.6	---	28	16	21	8.6	2.7	1.6	3.4
31	7.0	---	e13	7.9	---	19	---	18	---	2.6	1.6	---
TOTAL	264.4	292.2	715.2	254.8	205.9	331.8	1362	499.8	492.8	142.8	69.1	104.9
MEAN	8.53	9.74	23.1	8.22	7.35	10.7	45.4	16.1	16.4	4.61	2.23	3.50
MAX	17	18	235	13	11	28	167	54	56	9.4	5.2	38
MIN	6.8	5.8	7.4	5.2	5.4	7.2	13	6.2	7.8	2.6	1.6	1.3
CFSM	1.59	1.82	4.30	1.53	1.37	2.00	8.47	3.01	3.06	.86	.42	.65
IN.	1.84	2.03	4.96	1.77	1.43	2.30	9.45	3.47	3.42	.99	.48	.73

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

	1996	1997	1998	1999	2000	2001
MEAN	14.0	17.5	19.1	19.0	12.4	24.6
MAX	36.4	31.2	42.5	34.7	19.7	34.7
(WY)	1997	1998	1999	1998	1999	2001
MIN	5.42	5.43	5.90	8.22	7.35	10.7
(WY)	1999	1999	1999	2001	2001	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

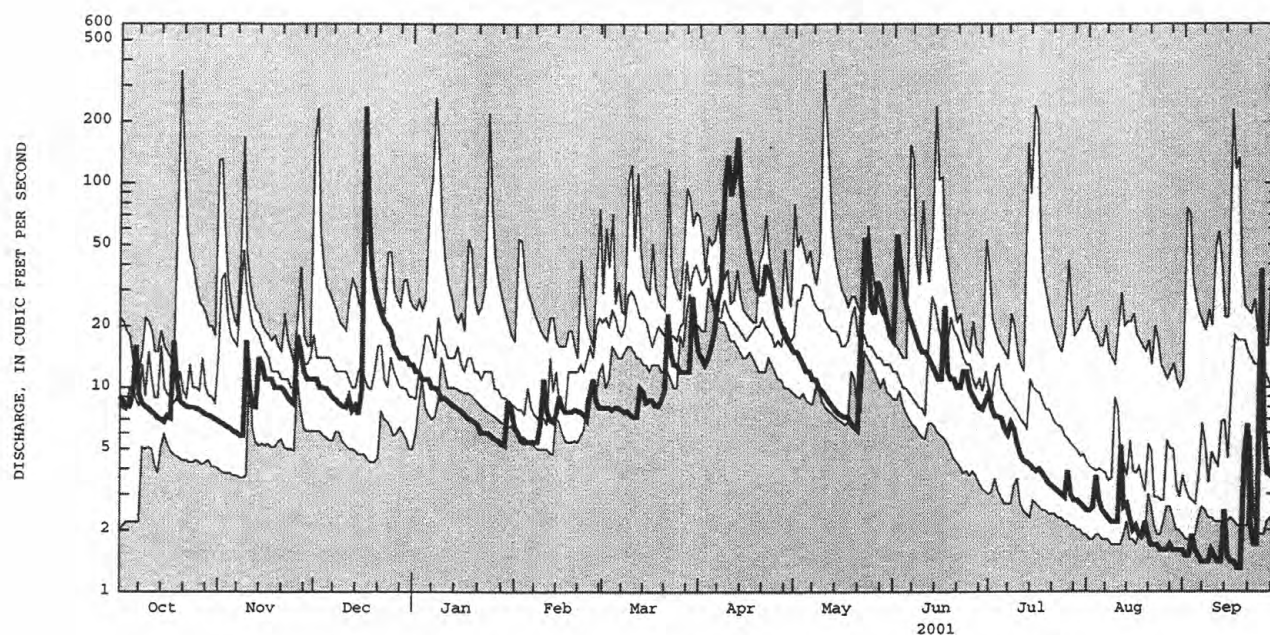
FOR 2001 WATER YEAR

WATER YEARS 1996 - 2001

ANNUAL TOTAL	7279.1	4735.7	
ANNUAL MEAN	19.9	13.0	17.1
HIGHEST ANNUAL MEAN			20.7
LOWEST ANNUAL MEAN			12.6
HIGHEST DAILY MEAN	237	Jul 15	356
LOWEST DAILY MEAN	4.7	Feb 13	1.3
ANNUAL SEVEN-DAY MINIMUM	5.0	Feb 7	1.4
ANNUAL RUNOFF (CFSM)	3.71		2.42
ANNUAL RUNOFF (INCHES)	50.52		32.87
10 PERCENT EXCEEDS	32		25
50 PERCENT EXCEEDS	15		8.1
90 PERCENT EXCEEDS	6.9		2.2

e Estimated

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

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. Elevation of gage is 870 ft above sea level, from topographic map. Prior to Aug. 1, 2001, at site on left bank 250 ft upstream, at datum 874.44 ft above sea level. 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 sea level and July 4, 1949 to July 5, 1951, datum 846.00 ft above sea level (levels by Board of Water Supply, City of New York).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 7,600 ft³/s, July 22, 1938, from rating curve extended above 2,600 ft³/s; maximum gage height, 10.58 ft, July 14, 2000; minimum discharge, 3.3 ft³/s, Sept. 16, 17, Oct. 17, 18, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1330	a*3,420	*8.69	Apr. 9	2245	1,330	6.38

a From rating curve extended above 830 ft³/s, on basis of contracted-opening measurement at gage height 10.58 ft.

Minimum discharge, 7.4 ft³/s, Sept. 9, 13, 19, 20, gage height, 1.37 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	41	69	e64	41	e50	e120	79	72	61	13	10
2	52	40	65	e62	37	e48	e100	76	239	44	13	9.2
3	51	39	62	62	34	e47	e86	72	228	36	22	8.7
4	49	38	62	61	32	e46	e86	68	182	34	28	9.2
5	55	37	62	59	36	e49	e90	64	146	36	23	10
6	96	36	59	58	36	e47	e110	61	123	31	16	8.8
7	62	37	58	56	33	e46	e160	59	107	29	14	8.1
8	51	39	57	54	32	e45	e240	58	95	31	13	7.9
9	46	39	55	53	38	e45	624	56	84	41	12	7.7
10	43	91	54	50	58	e43	1010	53	76	36	12	8.0
11	41	65	54	48	42	e42	738	50	74	36	12	8.9
12	38	55	59	47	40	e42	671	48	75	29	26	8.2
13	36	53	53	45	48	e56	772	46	63	26	21	7.7
14	36	78	57	45	48	68	585	44	58	26	16	14
15	35	84	52	45	57	58	411	42	53	25	18	12
16	36	73	58	44	51	e54	336	41	51	24	13	9.0
17	38	73	1200	43	49	e52	271	40	201	23	14	8.3
18	88	71	728	41	45	e54	221	42	82	23	14	7.9
19	64	69	376	41	45	e54	181	40	64	21	12	7.6
20	53	67	256	40	50	e56	160	37	57	19	13	11
21	51	65	193	39	51	e62	150	36	55	18	13	54
22	51	62	164	36	39	176	153	60	51	18	11	19
23	50	59	139	35	43	136	146	121	62	17	11	12
24	50	58	132	36	40	121	136	138	70	17	11	11
25	49	58	112	35	46	107	122	96	51	16	10	95
26	49	88	e100	31	69	97	110	90	45	20	9.6	36
27	47	87	e90	33	e50	87	102	127	42	17	9.6	20
28	46	74	e82	31	e47	83	96	113	39	15	10	16
29	45	70	e76	29	---	80	89	100	37	15	12	16
30	43	73	e70	43	---	224	83	86	38	15	9.9	14
31	42	---	e68	48	---	174	---	78	---	14	9.6	---
TOTAL	1548	1819	4722	1414	1237	2349	8159	2121	2620	813	441.7	475.2
MEAN	49.9	60.6	152	45.6	44.2	75.8	272	68.4	87.3	26.2	14.2	15.8
MAX	96	91	1200	64	69	224	1010	138	239	61	28	95
MIN	35	36	52	29	32	42	83	36	37	14	9.6	7.6
CFSM	1.30	1.58	3.98	1.19	1.15	1.98	7.10	1.79	2.28	.68	.37	.41
IN.	1.50	1.77	4.59	1.37	1.20	2.28	7.92	2.06	2.54	.79	.43	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
64.5	403	1956	4.92	1965	
101	295	1973	5.88	1965	
115	338	1974	29.8	1947	
95.8	293	1996	18.2	1981	
93.8	299	1981	21.0	1980	
161	379	1977	60.5	1970	
217	447	1940	64.8	1946	
136	382	1989	41.3	1941	
74.6	299	1972	18.7	1962	
50.5	264	1938	9.18	1962	
34.4	226	1938	7.19	1962	
39.2	185	1987	5.95	1964	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

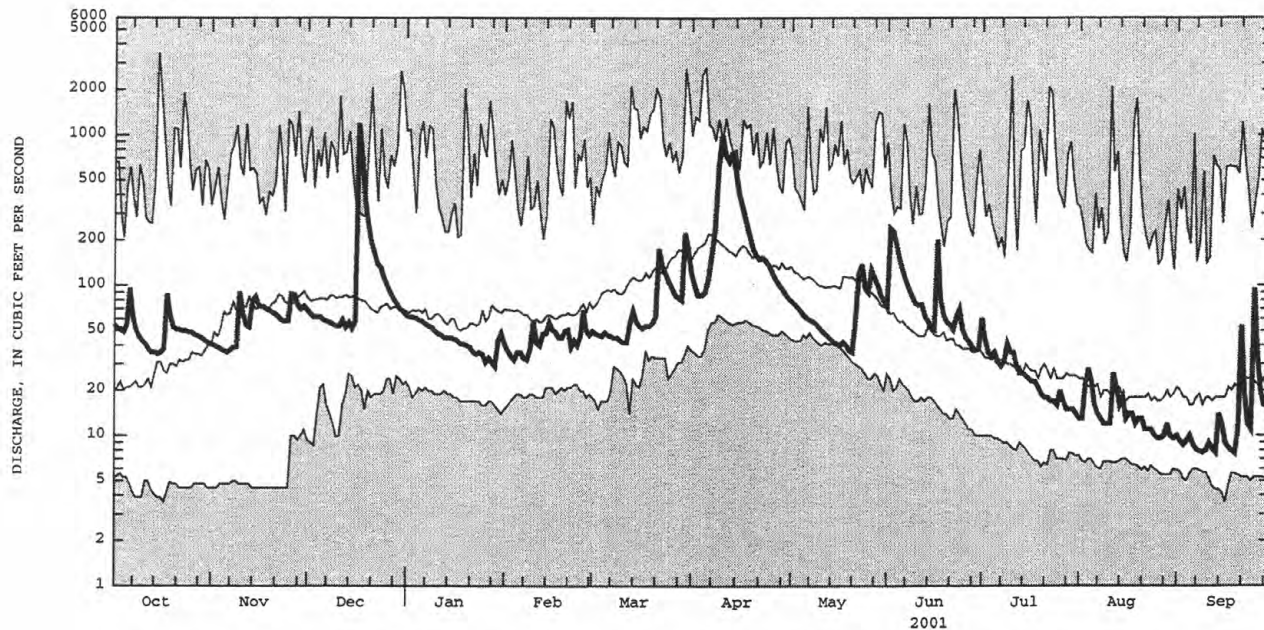
FOR 2001 WATER YEAR

WATER YEARS 1937 - 2001

ANNUAL TOTAL	46317	27718.9	
ANNUAL MEAN	127	75.9	98.6
HIGHEST ANNUAL MEAN			152
LOWEST ANNUAL MEAN			49.1
HIGHEST DAILY MEAN	1700	Jul 15	3500
LOWEST DAILY MEAN	24	Feb 13	3.6
ANNUAL SEVEN-DAY MINIMUM	27	Feb 7	4.1
ANNUAL RUNOFF (CFSM)	3.30		2.57
ANNUAL RUNOFF (INCHES)	44.99		34.97
10 PERCENT EXCEEDS	215	129	211
50 PERCENT EXCEEDS	90	49	59
90 PERCENT EXCEEDS	39	13	14

e Estimated

01365000 RONDOUT CREEK NEAR LOWES CORNERS, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

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 sea level. Prior to October 1998, datum 2 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Slight seasonal regulation caused by Beaverdam Pond on Red Brook. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,640 ft³/s, Oct. 15, 1955, gage height, 7.02 ft, present datum, from rating curve extended above 1,300 ft³/s on basis of slope-area measurement at gage height 6.68 ft, present datum; minimum discharge, 1.4 ft³/s, Nov. 1, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1215	*1,690	*4.77	June 17	0030	1,070	4.34
Apr. 9	2200	684	3.97				

Minimum discharge, 3.5 ft³/s, Sept. 7, 8, 9, 10, 12, 13, gage height, 1.76 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	28	e19	25	e21	102	22	17	24	6.0	5.1
2	12	15	24	e18	e21	e20	87	21	108	19	5.8	4.1
3	12	14	21	e17	e17	e20	84	20	88	15	5.9	4.0
4	12	13	e20	e17	e16	e19	97	19	57	16	7.1	4.9
5	16	12	e19	e16	e18	e19	119	18	42	19	6.6	4.7
6	50	12	e18	e16	20	e18	125	17	33	14	5.8	4.1
7	25	12	e17	e15	18	e18	137	18	28	13	5.5	3.9
8	19	12	e16	e15	17	e17	228	17	24	15	5.4	3.8
9	16	12	e16	e15	22	e17	295	16	21	17	5.1	3.8
10	15	60	e16	e14	35	e17	357	15	20	16	5.5	5.2
11	15	36	e15	e14	e24	e18	197	14	20	17	5.4	4.9
12	14	27	e15	e14	e23	19	155	14	21	13	9.1	3.9
13	13	24	e15	e14	23	35	132	15	18	12	7.5	3.9
14	15	39	e16	e15	26	39	100	14	16	11	6.6	9.1
15	17	39	e18	e16	34	32	80	13	15	11	5.9	5.1
16	16	31	25	17	28	36	68	13	34	10	5.2	4.4
17	16	28	678	19	e24	39	58	13	304	11	6.9	4.1
18	69	25	248	18	e22	37	51	13	68	10	5.7	3.9
19	44	24	113	19	e21	36	46	13	46	9.3	5.2	3.9
20	31	23	80	19	e20	44	42	12	37	8.4	5.3	13
21	26	22	60	e17	e19	52	41	11	31	7.9	5.1	25
22	23	21	52	e16	e19	118	39	24	27	7.5	4.7	9.5
23	22	19	43	e15	e18	103	36	39	32	7.1	4.8	6.9
24	21	18	40	e15	e18	90	34	28	34	6.9	4.8	6.0
25	19	17	31	e14	25	73	30	20	25	6.7	4.3	67
26	18	41	e29	e14	34	59	28	23	22	11	4.3	16
27	18	41	e27	e13	26	51	26	58	19	8.0	4.4	11
28	17	32	e25	e13	24	48	24	34	17	7.0	4.6	12
29	16	28	e23	e14	---	46	23	25	17	6.7	4.9	9.6
30	16	30	e22	23	---	249	23	21	18	6.5	4.4	8.2
31	16	---	e21	28	---	151	---	18	---	6.2	4.5	---
TOTAL	652	742	1791	509	637	1561	2864	618	1259	362.2	172.3	271.0
MEAN	21.0	24.7	57.8	16.4	22.8	50.4	95.5	19.9	42.0	11.7	5.56	9.03
MAX	69	60	678	28	35	249	357	58	304	24	9.1	67
MIN	12	12	15	13	16	17	23	11	15	6.2	4.3	3.8
CFSM	1.01	1.18	2.76	.79	1.09	2.41	4.57	.95	2.01	.56	.27	.43
IN.	1.16	1.32	3.19	.91	1.13	2.78	5.10	1.10	2.24	.64	.31	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

	MEAN	24.1	34.5	42.8	37.3	40.9	74.4	80.2	50.6	32.4	21.7	14.7	14.6
MAX	207	89.2	101	93.6	129	143	176	101	106	123	89.3	58.3	
(WY)	1956	1973	1974	1979	1981	1977	1956	1984	1973	1945	1955	1960	
MIN	2.93	3.51	10.7	7.46	10.8	25.4	23.2	11.4	8.00	4.66	3.56	3.20	
(WY)	1965	1965	1999	1981	1980	1981	1946	1941	1965	1955	1962	1941	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

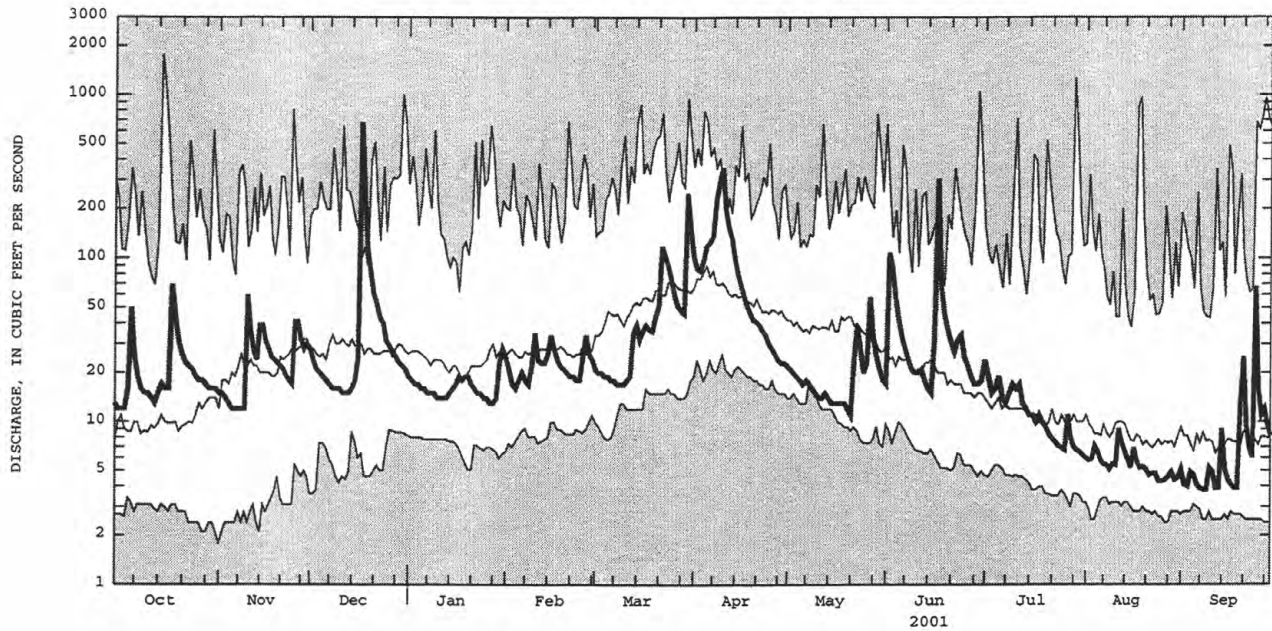
FOR 2001 WATER YEAR

WATER YEARS 1940 - 2001

ANNUAL TOTAL	18217.0	11438.5	
ANNUAL MEAN	49.8	31.3	39.0
HIGHEST ANNUAL MEAN			61.9
LOWEST ANNUAL MEAN			18.3
HIGHEST DAILY MEAN	678	Dec 17	1780
LOWEST DAILY MEAN	9.0	Feb 9	1.8
ANNUAL SEVEN-DAY MINIMUM	9.1	Feb 6	2.1
ANNUAL RUNOFF (CFSM)	2.38		1.87
ANNUAL RUNOFF (INCHES)	32.42		25.36
10 PERCENT EXCEEDS	98		58
50 PERCENT EXCEEDS	30		23
90 PERCENT EXCEEDS	13	5.5	6.0

e Estimated

01365500 CHESTNUT CREEK AT GRAHAMSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

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 sea level. 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 mi² together with spillage during high flow from Rondout Reservoir. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft³/s, Oct. 16, 1955, gage height, 36.8 ft, present datum, from floodmarks, from rating curve extended above 17,500 ft³/s, on basis of contracted-opening measurement at gage height 33.93 ft, present datum; minimum discharge, 2.2 ft³/s, July 16, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,800 ft³/s, Dec. 17, gage height, 20.17 ft; minimum, 46 ft³/s, Sept. 12, 13, gage height, 8.73 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	166	e390	e350	e700	423	2410	260	312	137	52	54
2	170	158	e340	e340	e840	425	1820	251	1120	156	51	51
3	164	150	e320	e330	e800	392	1590	247	1560	132	57	50
4	157	147	e300	e320	e600	372	1510	236	1250	119	87	50
5	158	143	e280	e310	e540	354	1590	224	802	130	102	51
6	293	141	e270	e350	e500	401	1770	213	602	131	94	52
7	318	136	e260	e330	e520	384	1760	204	445	109	70	50
8	242	131	e250	e310	e540	355	2160	196	374	104	62	48
9	235	131	e240	e300	e490	363	2160	174	321	157	57	48
10	230	416	e240	e290	e660	362	3970	176	284	e165	54	48
11	194	745	e230	e280	e900	364	2670	168	261	177	52	49
12	168	558	e220	e300	e560	376	2010	161	267	170	70	48
13	161	432	e220	e280	e520	567	1740	145	249	124	171	46
14	153	431	e210	e270	e500	841	1480	144	214	97	111	55
15	147	761	e210	e260	e540	722	1110	139	204	90	92	63
16	143	530	e200	e240	e580	789	925	134	188	83	80	58
17	151	423	e7600	e240	e540	917	817	133	318	79	73	53
18	228	372	8500	e230	e520	947	694	137	395	78	71	51
19	535	335	2590	e240	510	944	569	142	271	75	70	49
20	387	310	1600	e260	442	1030	502	137	227	69	66	53
21	321	293	e1100	e240	468	1160	472	126	212	63	67	107
22	286	278	e900	e230	382	2940	464	222	203	60	74	145
23	255	260	e640	e220	431	2530	432	771	351	57	65	88
24	241	227	e580	e210	419	2270	399	1030	907	55	64	70
25	212	228	e520	e200	397	1850	372	642	427	53	63	233
26	197	413	e470	e200	590	1450	341	470	277	60	61	305
27	193	901	e440	e210	560	1150	320	746	216	73	59	152
28	192	606	e410	e200	501	1030	307	781	179	64	56	121
29	178	495	e400	e210	---	979	284	551	151	57	55	108
30	167	e440	e380	e240	---	4150	270	430	145	54	54	101
31	163	---	e370	e500	---	3940	---	398	---	54	54	---
TOTAL	6820	10757	30680	8490	15550	34777	36918	9788	12732	3032	2214	2457
MEAN	220	359	990	274	555	1122	1231	316	424	97.8	71.4	81.9
MAX	535	901	8500	500	900	4150	3970	1030	1560	177	171	305
MIN	143	131	200	200	382	354	270	126	145	53	51	46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

	MEAN	340	552	691	640	716	1157	1154	723	438	224	185	227
MAX	2473	1456	2101	2043	2057	2379	2524	2302	2180	867	1220	1175	
(WY)	1956	1973	1974	1979	1981	1977	1983	1989	1972	1996	1955	1987	
MIN	22.0	34.8	113	75.0	126	316	313	201	68.0	29.0	24.1	16.8	
(WY)	1965	1965	1999	1981	1980	1981	1985	1965	1965	1965	1964	1964	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

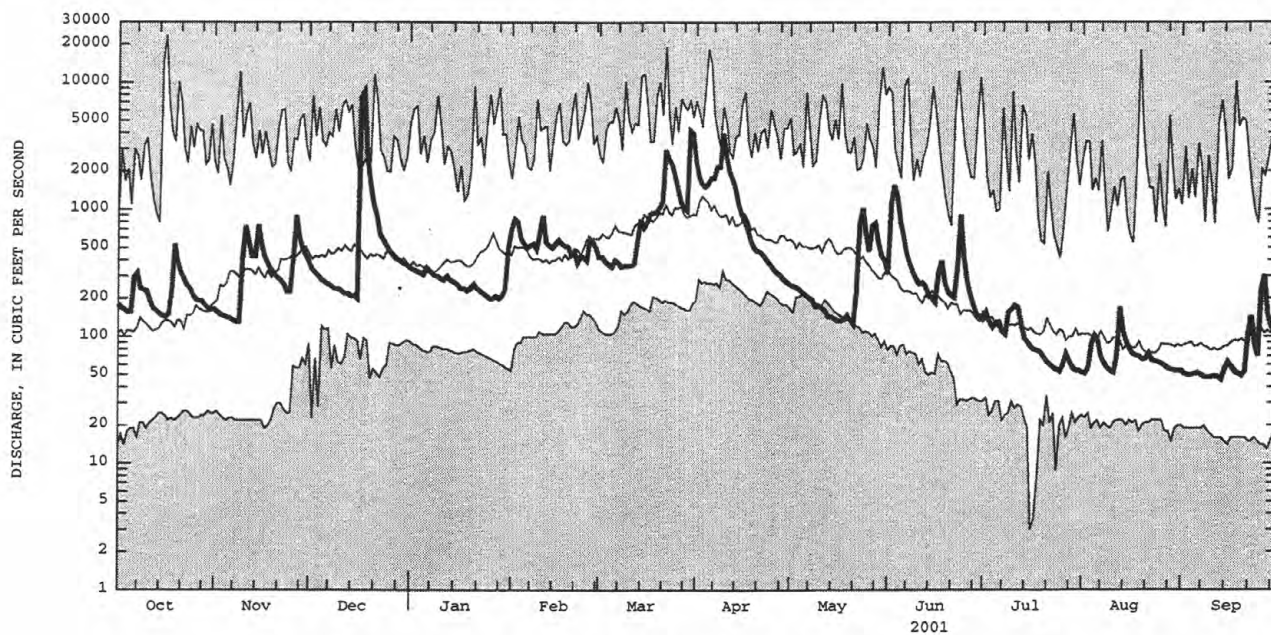
FOR 2001 WATER YEAR

WATER YEARS 1952 - 2001

ANNUAL TOTAL	246723	174215		
ANNUAL MEAN	674	477		
HIGHEST ANNUAL MEAN			587	
LOWEST ANNUAL MEAN			892	1952
HIGHEST DAILY MEAN	10900	Jun 7	255	1965
LOWEST DAILY MEAN	117	Jul 14	23500	Oct 16 1955
ANNUAL SEVEN-DAY MINIMUM	140	Nov 3	3.0	Jul 16 1965
10 PERCENT EXCEEDS	1300		15	Sep 21 1964
50 PERCENT EXCEEDS	396		305	
90 PERCENT EXCEEDS	172		65	

e Estimated

01367500 RONDOUT CREEK AT ROSENDALE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--September 1924 to current year.

REVISED RECORDS.--WSP 756: Drainage area. WDR NY-90-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 185.70 ft above sea level.

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 ft³/s, Oct. 16, 1955, gage height, 19.81 ft; minimum discharge, 9.5 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	2245	*15,000	*12.23	Mar. 30	2000	8,670	8.77
Mar. 22	1400	7,630	8.17				

Minimum discharge, 32 ft³/s, Sept. 10, gage height, 1.81 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	288	214	693	e560	e1200	e1000	5560	487	798	248	72	52
2	269	207	581	e560	e1400	e1000	4400	492	1670	272	67	46
3	270	211	e440	e580	e1400	e960	3470	484	2130	272	80	43
4	269	208	e340	e580	e1100	e940	2740	431	1730	265	267	41
5	265	205	e320	e600	e1000	e940	2250	421	1250	237	129	42
6	305	209	e310	e660	e960	e960	2000	397	937	216	135	41
7	327	198	e300	e660	e940	e940	1940	375	736	219	112	39
8	297	199	e300	e640	e980	e900	1980	360	618	220	92	37
9	264	211	e290	e620	e900	e900	1930	348	483	249	81	35
10	237	538	e290	e560	e1200	e900	3440	346	445	298	70	38
11	229	980	e290	e520	e1600	e940	2980	338	411	279	61	42
12	228	757	e300	e560	e1100	e1000	2490	336	405	246	226	41
13	218	576	e300	e540	e1100	e1300	2270	311	385	215	208	40
14	213	578	e300	e500	e1000	e2000	1920	298	352	200	162	56
15	207	970	e400	e520	e1200	e1900	1620	279	327	182	144	60
16	198	786	e500	e540	e1200	e2100	1440	239	297	160	115	72
17	200	637	7990	e560	e1200	e2500	1300	239	485	159	98	73
18	286	524	11200	e560	e1100	e2600	1200	250	607	151	85	68
19	724	465	7080	e580	e960	e2600	1110	267	556	141	80	62
20	611	398	5490	e640	e840	e2700	998	261	390	121	78	60
21	446	379	4010	e540	e880	e3000	871	251	340	104	71	137
22	403	348	2780	e520	e780	7040	941	401	337	115	68	264
23	320	327	e1600	e540	e820	6630	976	1190	370	99	62	142
24	302	287	e1100	e520	e800	5880	876	1380	1770	100	60	131
25	280	276	e840	e490	e800	4830	776	937	1210	91	56	213
26	267	447	e640	e460	e1100	3730	696	675	778	91	54	319
27	258	896	e620	e500	e1200	2840	628	1260	541	94	55	214
28	252	788	e600	e480	e1100	2320	571	1930	434	93	59	174
29	236	666	e600	e480	---	2020	577	1630	338	89	71	127
30	226	680	e580	e540	---	5810	511	1370	281	83	61	122
31	220	---	e560	e940	---	7150	---	1090	---	77	55	---
TOTAL	9115	14165	51644	17550	29860	80330	54461	19073	21411	5386	3034	2831
MEAN	294	472	1666	566	1066	2591	1815	615	714	174	97.9	94.4
MAX	724	980	11200	940	1600	7150	5560	1930	2130	298	267	319
MIN	198	198	290	460	780	900	511	239	281	77	54	35
CFSM	.42	.68	2.40	.81	1.53	3.73	2.61	.89	1.03	.25	.14	.14
IN.	.49	.76	2.76	.94	1.60	4.30	2.92	1.02	1.15	.29	.16	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2001, BY WATER YEAR (WY)

	MEAN	531	977	1195	1218	1425	2312	1917	1156	738	475	445	479
MAX	4217	3407	3773	4054	3084	5947	5466	4087	3688	2735	3333	2664	
(WY)	1956	1928	1997	1996	1984	1936	1983	1989	1972	1928	1955	1938	
MIN	58.2	76.1	149	102	241	669	463	239	98.2	33.6	21.6	18.9	
(WY)	1965	1965	1999	1925	1980	1981	1946	1941	1965	1966	1966	1964	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

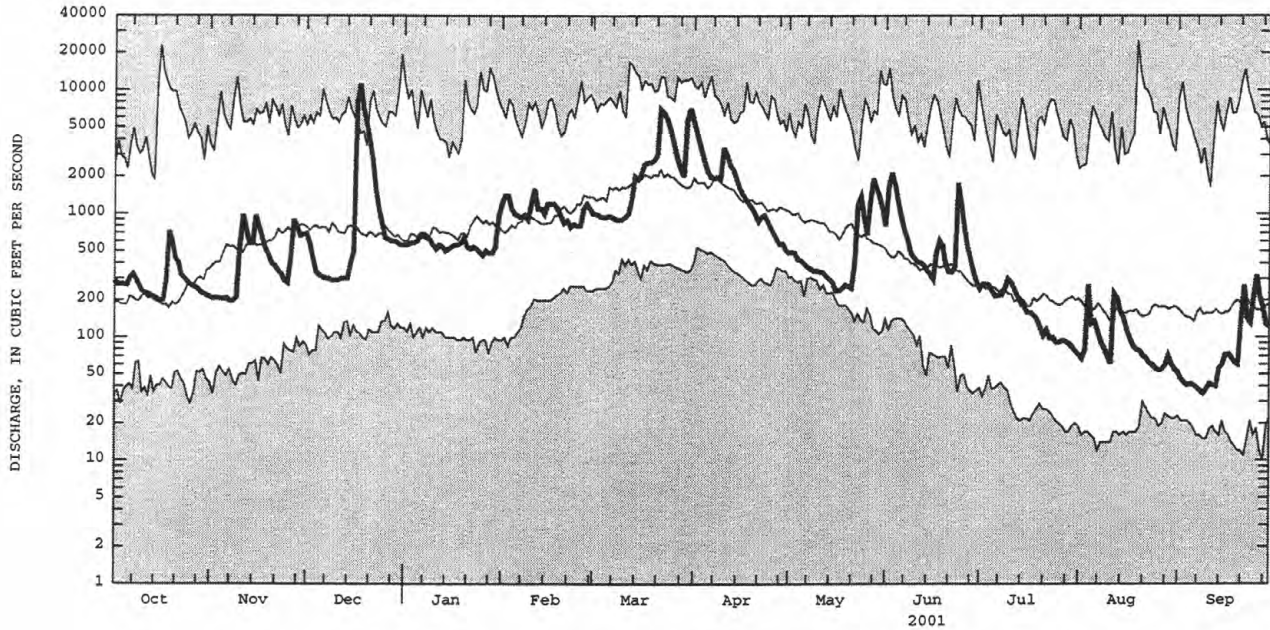
FOR 2001 WATER YEAR

WATER YEARS 1925 - 2001

ANNUAL TOTAL	428010	308860	
ANNUAL MEAN	1169	846	
HIGHEST ANNUAL MEAN			1070
LOWEST ANNUAL MEAN			1900
HIGHEST DAILY MEAN	11200	Dec 18	1928
LOWEST DAILY MEAN	198	Oct 16	1965
ANNUAL SEVEN-DAY MINIMUM	205	Nov 2	25200
ANNUAL RUNOFF (CFSM)	1.68		Aug 19 1955
ANNUAL RUNOFF (INCHES)	22.91		Sep 28 1964
10 PERCENT EXCEEDS	2510		Sep 17 1964
50 PERCENT EXCEEDS	720		
90 PERCENT EXCEEDS	276		

e Estimated

01371500 WALLKILL RIVER AT GARDINER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

01372000 WALLKILL RIVER AT NEW PALTZ, NY

LOCATION.--Lat 41°44'50", long 74°05'25", Ulster County, Hydrologic Unit 02020007, at bridge on State Route 299, in New Paltz.

DRAINAGE AREA.--721 mi².

PERIOD OF RECORD.--March 1998 to current year.

ORGANIC DATA: OC--1999-2001 (e).

SEDIMENT DATA: 1999-2001 (e).

INSTRUMENTATION.--Point-sample intake attached to old bridge abutment on left bank, immediately upstream from Route 299 bridge.

REMARKS.--A sampling method code of 10 indicates an equal-width increment sample, 50 indicates a sample collected at one point in the cross section.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAM- PLING METHOD, CODES (82398)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE (MG/L AS C) (00689)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
OCT						
12...	1250	50	--	--	60	6
DEC						
09...	0215	50	--	--	68	4
16...	1115	50	.05	.2	80	4
16...	1535	50	7.8	>10	88	3
16...	2330	50	8.2	>10	93	3
17...	0630	50	7.1	>10	89	4
17...	0915	50	6.7	>10	74	230
17...	0955	50	4.2	.3	78	370
17...	1035	50	5.3	>10	56	1260
17...	1120	50	5.8	>10	60	1440
17...	1150	50	5.1	1.3	53	1520
17...	1250	50	5.4	21	58	1210
17...	1330	50	5.6	>10	50	1210
17...	1435	50	4.1	.3	46	1040
17...	1530	50	4.2	.3	41	1060
17...	1615	50	4.1	>5.0	33	1250
17...	1625	50	5.4	>20	37	1220
17...	1910	50	4.6	>10	29	1220
17...	2030	50	3.9	.4	25	1550
18...	0430	50	5.0	>20	37	771
18...	0610	50	4.4	>20	38	808
18...	1040	50	5.4	>20	40	623
18...	1345	50	5.2	>20	61	339
18...	2035	50	8.1	10	63	277
19...	0430	50	8.2	5.9	43	256
19...	1035	50	--	--	50	172
19...	1050	10	8.2	5.2	91	142
19...	1051	50	--	--	57	149
19...	1105	50	--	--	53	163
19...	2200	50	--	--	55	110
20...	0920	50	--	--	59	83
20...	2325	50	--	--	71	61
21...	2250	50	--	--	71	48
23...	1940	50	--	--	86	30
31...	0445	50	--	--	79	11
JAN						
07...	1350	50	--	--	82	5
14...	2255	50	--	--	87	4
19...	0850	50	3.8	.3	--	4
19...	1650	50	--	.3	--	M
20...	0055	50	3.8	.3	--	M
20...	0855	50	3.8	.3	--	3
20...	1655	50	--	.4	--	2
21...	0055	50	--	.3	--	6
21...	0900	50	3.8	.3	--	2
21...	1700	50	3.8	.3	--	1
22...	0100	50	3.8	--	--	3
22...	0900	50	3.9	.3	--	6
22...	1705	50	4.0	.3	88	4
23...	0105	50	4.0	.5	92	5
23...	0905	50	4.0	.3	91	3
30...	1810	50	--	--	77	4
31...	1725	50	--	--	90	5
31...	2225	50	--	--	92	11
FEB						
01...	0815	50	--	--	81	12
01...	1640	50	--	--	82	16
02...	1545	50	--	--	74	21
03...	1955	50	--	--	88	18
05...	0800	50	--	--	79	14
06...	1050	50	--	--	90	14
10...	0100	50	4.0	1.1	91	10
10...	0900	50	4.0	.8	87	11
10...	1700	50	3.9	>1.2	61	25
11...	0100	50	4.2	2.4	86	30
11...	0900	50	4.3	>2.5	83	42
11...	1700	50	4.6	>2.5	84	56
12...	0105	50	5.8	>2.5	70	54
12...	0755	50	6.0	>2.5	87	36
13...	0845	50	--	--	83	38
13...	1750	50	--	--	85	24
14...	1515	50	--	--	83	25
15...	0945	50	--	--	91	23
22...	1850	50	--	--	--	50
28...	1425	50	--	--	--	92

M Presence verified, not quantified

HUDSON RIVER BASIN

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01372000 WALLKILL RIVER AT NEW PALTZ, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAM- PLING METHOD, CODES (82398)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
MAR						
07...	2325	50	--	--	--	34
13...	0650	50	--	--	--	29
13...	1625	50	--	--	--	87
13...	2220	50	--	--	--	228
14...	0625	50	--	--	--	199
14...	1030	50	--	--	--	236
14...	1312	50	--	--	79	257
14...	1315	10	--	--	84	122
14...	1915	50	--	--	--	176
15...	0740	50	--	--	--	111
15...	2300	50	--	--	--	77
16...	1710	50	--	--	--	68
17...	1830	50	--	--	--	88
18...	1940	50	--	--	--	73
19...	1655	50	--	--	--	85
20...	1920	50	--	--	66	71
21...	1115	50	--	--	63	71
21...	2010	50	4.6	>2.5	68	74
22...	0100	50	4.7	>5.0	56	130
22...	0420	50	4.2	--	54	236
22...	1100	50	4.6	>5.0	45	304
22...	1105	10	--	--	78	135
22...	1145	50	--	--	52	250
22...	1900	50	4.9	>10	58	274
22...	2240	50	5.2	>10	56	268
22...	2355	50	5.5	>10	54	247
23...	0755	50	5.4	>6.7	52	161
23...	1555	50	5.4	>5.0	52	138
23...	2355	50	5.0	>2.5	47	117
24...	0800	50	4.7	>2.5	47	89
24...	1600	50	4.7	>2.5	41	136
25...	0005	50	4.6	>2.5	53	72
25...	0800	50	4.1	>2.5	51	76
25...	1600	50	4.3	>2.5	62	62
25...	2025	50	4.3	>2.5	68	67
26...	0900	50	3.9	>2.5	64	55
27...	2200	50	--	--	--	39
28...	1735	50	--	--	--	26
29...	1055	50	--	--	--	22
30...	0405	50	4.0	.8	79	29
30...	0815	50	3.7	>2.5	76	81
30...	1005	50	4.0	>2.5	63	142
30...	1210	50	4.1	>2.5	56	255
30...	1312	10	--	--	83	151
30...	1313	50	4.2	>2.5	54	298
30...	1440	50	4.3	>5.0	50	321
30...	1845	50	4.3	>5.0	39	439
30...	2340	50	4.5	5.2	33	432
31...	0310	50	5.0	>5.0	43	352
31...	1115	50	6.0	>5.0	48	220
31...	1915	50	5.5	>5.0	49	137
APR						
01...	0415	50	5.7	4.5	59	117
01...	1215	50	5.1	3.4	63	81
01...	2020	50	5.3	2.6	63	80
02...	0420	50	5.0	2.4	73	71
02...	1220	50	5.1	2.4	71	69
03...	1735	50	--	--	--	49
04...	1740	50	--	--	--	48
05...	1650	50	--	--	--	39
06...	1355	50	--	--	90	64
07...	1500	50	--	--	85	66
08...	1235	50	--	--	90	64
09...	1800	50	--	--	87	54
10...	0640	50	--	--	81	100
10...	1035	50	--	--	71	142
10...	1705	50	--	--	80	161
10...	2125	50	--	--	86	261
11...	0610	50	--	--	88	326
11...	2115	50	--	--	84	126
12...	1905	50	--	--	88	103
14...	0720	50	--	--	84	77
15...	1025	50	--	--	79	97
16...	0925	50	--	--	82	91
17...	1040	50	--	--	89	83
19...	0810	50	--	--	91	59
27...	1710	50	--	--	91	26

HUDSON RIVER BASIN

01372000 WALLKILL RIVER AT NEW PALTZ, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAM- PLING METHOD, CODES (82398)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC ULATE TOTAL (MG/L AS C) (00689)	SED. SIEVE DIAM. & FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
MAY						
05...	0220	50	--	--	89	12
12...	1120	50	--	--	91	13
23...	2025	50	--	--	92	154
26...	2325	50	7.5	1.1	92	35
27...	0730	50	7.3	2.6	92	46
27...	1530	50	6.9	>2.5	91	73
27...	1640	50	7.3	>5.0	92	65
28...	0040	50	7.1	>5.0	88	107
28...	0135	50	--	>5.6	91	91
28...	0940	50	7.8	>6.3	89	85
28...	1200	50	8.0	>6.3	85	92
28...	2000	50	9.4	6.1	88	90
29...	0400	50	9.8	6.1	90	71
29...	1200	50	9.8	5.8	92	95
29...	2000	50	9.7	>5.0	88	80
30...	0400	50	9.4	4.7	90	109
30...	1200	50	8.9	>5.0	90	125
30...	2000	50	8.1	>5.0	93	118
31...	0410	50	7.7	>5.0	92	125
31...	1210	50	7.8	3.9	89	99
31...	2010	50	7.8	3.9	93	102
JUN						
01...	0410	50	7.7	3.4	94	116
01...	0440	50	7.6	3.0	87	55
01...	0900	50	7.6	2.7	98	69
02...	1120	50	--	--	92	154
02...	1640	50	--	--	91	182
02...	2245	50	--	--	90	174
03...	0840	50	--	--	90	146
03...	1330	50	--	--	91	131
03...	2320	50	--	--	89	132
04...	0650	50	--	--	89	132
04...	1710	50	--	--	91	126
05...	0745	50	--	--	93	110
06...	1645	50	--	--	97	53
17...	0720	50	6.0	1.0	98	52
17...	1005	50	6.5	1.0	99	46
17...	1805	50	5.5	.9	100	50
18...	0050	50	5.2	1.4	97	52
18...	0300	50	4.7	1.5	98	51
18...	1100	50	5.7	1.5	97	40
18...	1900	50	5.8	1.7	94	18
19...	0305	50	5.9	1.7	96	26
19...	0340	50	5.7	1.5	97	21
26...	1240	50	--	.4	95	108
29...	1250	50	8.8	2.8	98	80
29...	1755	50	8.6	1.9	--	--
29...	2310	50	9.4	2.3	97	35
30...	0230	50	8.4	2.1	99	69

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 mi².

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 sea level.

REMARKS.--Satellite and telephone gage-height, temperature, and specific conductance telemeter at station. All data are collected, stored, and reported in Eastern Standard Time. Interruptions of record were due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.82 ft, Dec. 11, 1992; minimum, -4.38 ft, Mar. 14, 15, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.95 ft, Dec. 17; minimum, -3.28 ft, Feb. 11.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	3.06	-.62	1.23	2.67	-.01	1.29	2.86	-.65	.86	1.04	-2.52	-.72
2	3.12	-.51	1.33	2.91	.50	1.62	2.04	-.80	.75	1.62	-2.01	.11
3	3.16	.03	1.53	3.25	.58	1.84	2.03	-.80	.66	1.50	-1.82	.20
4	3.17	.02	1.37	3.12	.50	1.71	1.77	-.60	.66	1.95	-1.30	.57
5	2.87	-.18	1.19	2.18	-.01	1.12	2.51	-.60	1.14	2.78	-1.12	1.12
6	2.98	.41	1.63	2.64	-.58	1.21	1.95	-1.43	.13	3.53	-.76	1.17
7	2.73	-.12	1.26	2.68	-.07	1.32	2.50	-1.12	.51	3.29	-1.46	.98
8	2.45	-.48	.94	3.20	.00	1.70	2.65	-1.46	.79	3.55	-1.15	1.04
9	2.70	-.60	.95	3.58	-.29	1.70	2.82	-1.16	.79	3.79	-1.33	1.08
10	2.75	-.31	1.23	4.63	.48	2.37	2.87	-1.34	.77	2.76	-1.97	.29
11	2.00	-1.82	.16	3.47	-.32	1.55	3.06	-1.26	.89	3.57	-1.46	.94
12	2.64	-1.39	.68	3.65	-.48	1.52	4.22	-1.33	1.26	3.25	-1.75	.75
13	2.64	-1.04	.86	3.78	-.48	1.60	1.99	-3.03	-.43	3.63	-1.08	1.24
14	2.82	-1.16	.88	4.07	-.25	1.83	3.56	-.89	1.11	3.03	-1.38	1.01
15	2.93	-.92	1.00	3.08	-.84	1.07	2.47	-1.96	.28	2.84	-1.03	.98
16	3.57	-.82	1.36	2.82	-1.02	.83	3.08	-1.17	1.03	3.26	-1.04	1.12
17	3.53	-.24	1.60	2.65	-1.17	.92	4.95	.37	2.71	2.43	-1.30	.54
18	3.58	-.12	1.67	2.46	-1.19	.55	2.08	-.99	.60	2.59	-1.59	.83
19	2.92	-.45	1.23	2.40	-.83	.87	2.34	-1.48	.76	3.11	-.96	1.18
20	2.91	-.46	1.22	3.10	-.76	1.31	3.04	-.69	.80	2.89	-.89	1.03
21	3.01	-.60	1.10	2.18	-.90	.74	1.89	-1.86	.24	2.40	-1.49	.90
22	2.63	-.90	.74	1.65	-1.60	.07	2.58	-1.31	.55	3.05	-1.50	.66
23	2.98	-1.02	1.00	1.99	-1.85	.22	1.71	-2.21	-.14	2.84	-1.27	.65
24	2.93	-.69	1.16	2.77	-1.23	.68	2.26	-1.60	.22	3.34	-.84	1.06
25	2.85	-1.03	.90	2.79	-1.26	.75	1.70	-3.21	-.96	3.26	-1.12	1.04
26	3.22	-.83	1.23	4.15	-.52	1.80	1.39	-2.50	-.89	3.04	-1.16	.81
27	3.31	-.71	1.32	3.31	-.62	1.20	1.69	-2.61	-.50	3.29	-1.20	1.17
28	3.13	-1.27	.96	2.74	-1.06	.77	1.32	-2.54	-.29	2.29	-1.75	.29
29	2.73	-.88	.82	2.82	-.87	.92	2.91	-1.12	.62	2.83	-.69	.98
30	2.67	-1.00	.85	2.35	-.97	.80	2.94	-.74	.94	2.97	-.80	1.16
31	2.82	-.96	.92	---	---	---	1.54	-2.64	-.33	2.59	-1.07	.90
MONTH	3.58	-1.82	1.11	4.63	-1.85	1.20	4.95	-3.21	.50	3.79	-2.52	.81

HUDSON RIVER BASIN

01372058 HUDSON RIVER BELOW Poughkeepsie, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.52	-1.01	.70	2.36	-1.06	.65	3.45	.07	1.83	2.39	-.96	.88
2	2.67	-.82	.97	2.55	-.55	1.10	3.54	-.05	1.57	2.98	-.64	1.26
3	1.34	-1.95	-.29	3.03	-.40	1.12	2.92	-.55	1.15	2.90	-.80	1.09
4	2.69	-2.19	.54	3.01	-.43	1.46	2.89	-.70	1.14	3.03	-1.12	.99
5	2.96	-1.48	.86	4.08	.58	2.07	2.98	-.83	1.15	3.19	-1.26	.94
6	2.59	-2.11	.23	3.34	-.83	1.09	3.38	-.63	1.36	3.67	-.86	1.17
7	2.48	-2.11	-.05	4.64	.13	2.42	3.96	-.47	1.53	3.65	-.90	1.22
8	2.57	-2.42	.09	4.51	.34	2.39	4.22	.11	2.03	3.20	-.98	.93
9	3.20	-1.84	.68	4.05	-.13	1.83	4.51	.32	2.26	3.24	-.80	1.05
10	2.93	-2.47	.32	3.26	-1.43	.72	4.32	.61	2.27	3.18	-.62	1.15
11	1.04	-3.28	-1.03	2.87	-1.20	.78	4.21	.47	2.17	3.24	-.54	1.20
12	1.97	-2.86	-.41	2.10	-1.69	.29	3.82	.51	1.96	3.14	-.32	1.27
13	2.92	-1.48	.79	2.95	-.34	1.32	3.74	.40	1.93	2.26	-.87	.66
14	2.53	-1.38	.78	3.34	-1.23	.97	2.96	.31	1.51	2.55	-.42	1.02
15	2.88	-.75	.84	2.45	-.72	.72	2.91	.33	1.65	2.30	-.52	.88
16	2.53	-.94	.73	2.63	-.39	.92	3.09	.64	1.84	2.65	.28	1.57
17	3.00	-1.57	.32	2.50	-.23	1.01	2.73	.25	1.52	3.02	.21	1.71
18	1.56	-2.63	-.15	2.05	-1.10	.44	2.34	-.61	1.00	2.88	-.03	1.46
19	2.38	-1.39	.52	2.08	-.83	---	2.22	-.86	.77	2.80	-.48	1.31
20	2.32	-1.11	.60	---	---	---	2.68	-.88	.83	3.50	-1.10	1.60
21	2.40	-1.84	.20	---	---	---	2.80	-.84	.93	3.51	-.42	1.40
22	2.28	-2.11	.13	---	---	---	2.72	-1.14	.77	3.79	-.46	1.51
23	2.94	-.92	.83	---	---	---	3.28	-1.08	.89	3.82	-.22	1.69
24	1.93	-2.01	.14	---	---	---	3.36	-.21	1.54	3.92	-.56	1.48
25	2.88	-.87	1.00	---	---	---	3.12	-.85	.97	3.56	-.37	1.40
26	2.69	-1.53	.61	3.00	-.53	---	3.33	-.27	1.43	3.63	-.63	1.32
27	2.14	-1.29	.41	---	---	---	3.70	.00	1.70	3.42	-.32	1.53
28	2.17	-1.29	.46	2.37	-1.15	.58	3.67	-.81	1.17	3.72	-.07	1.75
29	---	---	---	2.35	-.97	.71	2.69	-.81	.89	3.48	-.15	1.72
30	---	---	---	3.08	.20	1.68	2.69	-.96	.80	2.98	-.64	1.19
31	---	---	---	3.27	-.15	1.35	---	---	---	2.49	-1.11	.88
MONTH	3.20	-3.28	.39	4.64	-1.69	1.16	4.51	-1.14	1.42	3.92	-1.26	1.27
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	3.20	-.80	1.08	3.17	-.70	1.16	3.11	-.62	1.05	3.44	-.63	1.27
2	3.79	-.23	1.76	2.85	-1.42	.53	3.18	-.35	1.20	3.33	-.58	1.33
3	3.76	-.25	1.72	3.45	-.90	1.04	3.05	-.67	.97	3.36	-.33	1.54
4	3.36	-.64	1.37	3.57	-.53	1.25	3.12	-.75	1.05	3.38	-.21	1.52
5	3.29	-.67	1.15	3.57	-.35	1.39	3.25	-.39	1.24	2.93	-.63	1.09
6	3.32	-.69	1.10	3.49	-.73	1.01	3.02	-.61	1.14	2.75	-.55	1.22
7	3.34	-.62	1.13	3.02	-.64	1.16	2.93	-.62	1.08	2.73	-.49	1.27
8	3.36	-.57	1.16	3.24	-.36	1.35	2.66	-.77	1.04	2.78	-.48	1.28
9	3.22	-.60	1.17	3.21	-.38	1.40	2.77	-.42	1.33	2.81	-.65	1.18
10	3.20	-.46	1.25	3.13	-.28	1.45	2.83	-.45	1.27	3.05	-.32	1.32
11	2.91	-.60	1.27	2.97	-.28	1.39	2.42	-.86	.90	2.59	-.78	.85
12	2.94	-.46	1.37	2.68	-.37	1.22	2.78	-.49	1.22	3.39	-.55	1.23
13	2.80	-.37	1.29	2.34	-.43	1.14	2.72	-.66	1.08	3.42	-.33	1.41
14	2.47	-.51	1.14	2.41	-.58	1.09	3.15	-.72	1.07	3.35	-.96	1.03
15	2.53	-.55	1.13	2.77	-.47	1.15	3.54	---	---	3.56	-.59	1.43
16	2.85	-.49	1.21	3.16	-.47	1.21	3.70	-.44	1.47	3.60	-.65	1.42
17	3.06	-.81	1.12	3.19	-.62	1.22	3.54	-.65	1.43	3.53	-.74	1.39
18	2.91	-1.04	.93	3.63	-.62	1.23	3.54	-.90	1.18	3.43	-.69	1.40
19	3.36	-.88	1.02	4.08	-.33	1.58	3.53	-.75	1.32	3.44	-.66	1.53
20	3.24	-.81	1.07	3.95	-.65	1.51	3.64	-.58	1.49	3.82	-.21	1.90
21	---	---	---	3.77	-.73	1.34	3.60	-.64	1.41	3.54	-.17	1.73
22	---	---	---	3.77	-.49	1.48	3.24	-.86	1.23	3.40	-.29	1.58
23	---	---	---	3.75	-.54	1.46	2.98	-.85	1.21	2.98	-.50	1.31
24	---	---	---	3.44	-.68	1.37	2.94	-.72	1.19	3.55	-.12	1.62
25	---	---	---	3.12	-.91	1.14	3.38	-.43	1.52	3.48	.59	2.01
26	---	---	---	2.72	-1.10	1.02	3.36	-.16	1.65	2.59	-.25	1.11
27	---	---	---	2.91	-.79	1.34	3.06	-.08	1.50	2.71	-.41	1.12
28	2.63	-.97	1.03	3.01	-.92	1.06	3.38	-.25	1.36	2.69	-.45	1.01
29	3.55	-.52	1.44	3.07	-.65	1.25	3.13	-.32	1.25	3.78	-.50	1.40
30	3.28	-.72	1.39	3.52	-.21	1.45	3.61	-.31	1.38	4.33	.62	2.42
31	---	---	---	3.23	-.27	1.42	3.65	.18	1.74	---	---	---
MONTH	3.79	-1.04	1.23	4.08	-1.42	1.25	3.70	-.90	1.27	4.33	-.96	1.40

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

WATER-QUALITY RECORDS

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. All data are collected, stored, and reported in Eastern Standard Time. Interruptions of record were due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 2,800 $\mu\text{S}/\text{cm}$, Sept. 26, 1995; minimum, 96 $\mu\text{S}/\text{cm}$, Jan. 30, 1995.

WATER TEMPERATURE: Maximum, 28.5°C, July 30, Aug. 1, 1999; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 613 $\mu\text{S}/\text{cm}$, Sept. 25; minimum, 130 $\mu\text{S}/\text{cm}$, May 9, 11.

WATER TEMPERATURE: Maximum, 27.5°C, Aug. 9, 15; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	248	239	242	260	256	257	250	246	248	216	188	199
2	242	240	241	266	257	259	253	247	249	210	186	201
3	246	241	242	262	258	259	252	248	249	208	185	201
4	249	241	243	265	260	261	255	250	251	206	186	198
5	252	242	243	274	260	265	258	251	254	200	189	193
6	257	242	245	278	262	268	255	250	252	197	191	194
7	256	243	246	268	263	265	259	250	253	200	196	197
8	252	243	246	266	264	265	254	250	252	203	198	199
9	255	243	248	271	265	267	251	249	250	210	199	204
10	247	243	245	307	267	283	265	249	254	215	200	207
11	250	243	245	318	271	278	251	247	249	219	207	213
12	260	244	248	337	278	310	251	247	249	222	209	216
13	268	246	251	290	283	286	253	245	249	224	215	220
14	264	247	254	303	280	287	269	247	256	227	217	221
15	260	247	253	285	272	280	259	251	253	229	219	223
16	258	248	251	287	271	276	252	249	250	229	221	224
17	254	249	251	281	271	275	261	250	252	229	218	223
18	259	250	253	280	270	273	278	259	265	229	218	225
19	266	252	254	279	267	272	261	217	238	232	220	225
20	266	254	257	271	264	268	239	212	225	231	220	226
21	282	256	260	268	261	265	236	214	222	232	220	227
22	284	257	264	271	257	263	220	212	215	232	220	226
23	273	257	263	262	254	259	224	207	214	232	223	227
24	266	255	259	260	255	257	221	207	212	231	224	227
25	262	253	257	259	252	254	221	201	211	230	223	227
26	260	254	256	255	252	254	209	200	204	230	223	227
27	256	253	255	254	251	253	210	196	201	230	223	226
28	265	253	256	258	250	253	218	199	204	229	224	227
29	262	254	256	252	247	250	215	194	200	229	225	227
30	264	255	257	251	246	249	217	194	204	230	227	229
31	265	255	258	---	---	---	218	192	210	232	226	229
MONTH	284	239	252	337	246	267	278	192	235	232	185	216

HUDSON RIVER BASIN

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	234	226	229	353	343	350	297	293	295	182	157	167
2	234	226	231	373	343	354	300	291	295	172	156	165
3	240	225	232	371	351	357	333	285	302	181	152	163
4	242	229	238	354	349	350	338	284	297	190	148	163
5	249	234	243	352	348	350	326	282	297	177	142	156
6	250	227	242	350	338	344	306	275	286	166	141	150
7	251	226	242	347	338	343	279	264	273	151	133	144
8	252	231	245	346	340	343	288	264	273	153	133	140
9	253	233	247	342	333	337	296	275	282	148	130	139
10	254	228	246	338	323	332	303	280	295	145	132	138
11	256	228	247	325	319	323	294	271	286	147	130	136
12	259	243	256	323	315	320	280	254	266	146	131	135
13	260	249	257	328	314	320	267	221	243	164	132	139
14	262	249	259	336	311	321	260	215	241	150	133	139
15	267	255	261	329	309	317	241	191	221	150	133	141
16	274	258	266	331	307	316	229	200	213	146	136	139
17	277	252	265	319	306	310	235	193	202	147	136	140
18	298	247	282	341	308	316	208	186	197	143	136	139
19	323	277	310	---	---	---	198	179	190	167	137	144
20	331	308	324	---	---	---	211	172	184	156	139	145
21	343	306	328	---	---	---	194	168	180	149	141	145
22	343	287	322	---	---	---	191	167	177	155	141	147
23	333	305	325	---	---	---	225	168	179	160	143	148
24	337	299	324	---	---	---	202	170	180	157	146	151
25	343	319	334	---	---	---	192	169	177	169	150	156
26	346	316	336	---	---	---	206	173	180	162	155	157
27	350	326	347	---	---	---	200	173	178	165	157	160
28	350	344	348	327	296	303	185	175	177	175	159	163
29	---	---	---	305	294	298	183	172	176	189	164	171
30	---	---	---	296	288	292	183	167	172	188	170	177
31	---	---	---	299	291	294	---	---	---	205	177	187
MONTH	350	225	278	---	---	---	338	167	230	205	130	151
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	191	184	188	229	215	220	288	224	250	395	329	363
2	217	185	192	229	217	222	276	226	253	381	307	346
3	207	194	199	232	219	223	291	227	258	401	334	374
4	219	196	205	236	219	224	273	230	258	436	376	393
5	228	208	214	236	219	227	296	234	265	384	326	364
6	226	216	220	232	221	226	288	231	263	380	331	353
7	230	219	225	230	220	226	292	233	265	396	339	371
8	238	223	229	233	219	225	293	236	269	392	341	375
9	242	228	234	235	219	225	299	235	273	416	336	384
10	242	229	234	232	220	226	288	231	264	398	357	381
11	237	230	232	233	220	227	269	217	246	370	338	356
12	252	229	233	234	223	228	270	218	248	409	341	360
13	244	228	233	238	221	228	271	212	243	486	353	392
14	234	225	229	239	219	228	276	210	242	455	333	359
15	246	224	230	244	220	229	326	219	255	402	344	368
16	252	221	230	243	221	230	327	236	262	481	366	413
17	240	219	226	238	220	229	269	240	254	486	396	430
18	246	218	226	245	221	230	278	244	256	519	415	457
19	237	216	223	238	222	225	282	247	262	527	446	470
20	224	216	220	241	222	227	272	256	264	567	494	541
21	---	---	---	251	222	230	292	267	277	546	497	521
22	---	---	---	253	225	235	315	271	287	562	493	520
23	---	---	---	259	223	245	293	274	287	569	458	525
24	---	---	---	256	223	241	325	281	300	574	509	540
25	---	---	---	259	223	243	350	296	320	613	538	577
26	---	---	---	260	220	235	346	311	332	594	452	507
27	---	---	---	256	224	241	392	325	350	517	413	449
28	237	213	218	273	222	240	391	330	355	435	373	407
29	230	213	217	269	221	242	348	318	339	433	370	405
30	235	214	219	277	227	249	344	312	335	463	386	426
31	---	---	---	286	223	255	412	330	370	---	---	---
MONTH	---	---	---	286	215	232	412	210	281	613	307	424

01372058 HUDSON RIVER BELOW Poughkeepsie, NY--Continued

DAY	OCTOBER					NOVEMBER					DECEMBER					JANUARY				
	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN		
1	20.0	19.5	19.5	12.5	12.0	12.5	12.5	12.5	6.0	5.5	6.0	5.5	6.0	5.5	5.5	6.0	5.5	6.0		
2	19.5	19.5	19.5	12.5	12.0	12.5	12.5	12.5	5.5	5.0	5.5	5.0	5.5	5.0	5.0	5.5	5.0	5.5		
3	20.0	19.0	19.5	12.5	12.0	12.5	12.5	12.0	5.0	4.5	5.0	4.5	5.0	4.5	4.5	5.0	4.0	5.0		
4	19.5	19.0	19.0	12.5	12.0	12.5	12.5	12.0	5.0	4.5	5.0	4.5	5.0	4.5	4.5	5.0	4.0	5.0		
5	19.0	19.0	19.0	12.0	11.5	12.0	12.0	11.5	5.0	4.5	5.0	4.5	5.0	4.5	4.5	5.0	4.0	5.0		
6	19.0	18.5	19.0	12.0	11.5	12.0	12.0	11.5	4.5	4.0	4.5	4.0	4.5	4.0	4.0	4.5	3.5	4.5		
7	18.5	18.0	18.5	12.0	11.5	12.0	12.0	11.5	4.0	3.5	4.0	3.5	4.0	3.5	3.5	4.0	3.0	4.0		
8	18.0	17.5	18.0	12.0	11.5	12.0	12.0	11.5	4.0	3.5	4.0	3.5	4.0	3.5	3.5	4.0	3.0	4.0		
9	17.5	17.0	17.5	11.5	11.5	12.0	12.0	11.5	4.0	3.5	4.0	3.5	4.0	3.5	3.5	4.0	3.0	4.0		
10	17.5	17.0	17.0	11.5	11.5	12.0	12.0	11.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.0	4.0		
11	17.0	16.5	16.5	11.5	11.0	11.5	11.5	11.5	3.5	3.0	3.5	3.0	3.5	3.0	3.5	3.5	3.0	4.0		
12	17.5	16.5	16.5	11.0	10.5	11.0	11.0	11.0	4.0	3.0	4.0	3.0	4.0	3.0	3.5	4.0	3.0	4.0		
13	17.0	16.5	16.5	11.0	10.5	10.5	10.5	10.5	3.0	2.5	3.0	2.5	3.0	2.5	2.5	3.0	2.0	3.0		
14	17.0	16.0	16.5	11.0	10.5	10.5	10.5	10.5	3.0	2.5	3.0	2.5	3.0	2.5	2.5	3.0	2.0	3.0		
15	17.0	16.5	16.5	10.5	9.5	10.0	10.0	10.0	2.5	2.0	2.5	2.0	2.5	2.0	2.5	3.0	2.0	3.0		
16	17.0	16.0	16.5	10.0	9.5	9.5	9.5	9.5	2.5	2.0	2.5	2.0	2.5	2.0	2.5	3.0	2.0	3.0		
17	16.5	16.0	16.5	9.5	9.0	9.5	9.5	9.0	3.0	2.5	3.0	2.5	3.0	2.0	2.5	3.0	2.0	3.0		
18	16.0	15.5	16.0	9.5	9.0	9.0	9.0	9.0	3.0	2.5	3.0	2.5	3.0	2.0	2.5	3.0	2.0	3.0		
19	15.5	15.0	15.5	9.0	9.0	9.0	9.0	9.0	1.0	.5	1.0	.5	1.0	.5	.5	1.0	.0	1.0		
20	15.0	15.0	15.0	9.0	8.5	9.0	9.0	8.5	1.0	.5	1.0	.5	1.0	.5	.5	1.0	.0	1.0		
21	15.0	14.5	15.0	8.5	8.0	8.5	8.5	8.0	1.0	.5	1.0	.5	1.0	.5	.5	1.0	.0	1.0		
22	15.0	14.5	14.5	8.0	8.0	8.0	8.0	8.0	1.0	.5	1.0	.5	1.0	.5	.5	1.0	.0	1.0		
23	14.5	14.0	14.5	8.0	7.5	7.5	7.5	7.5	.5	.0	.5	.0	.5	.0	.5	1.0	.0	1.0		
24	15.0	14.0	14.5	7.5	7.0	7.0	7.0	7.0	.5	.0	.5	.0	.5	.0	.5	1.0	.0	1.0		
25	15.0	14.0	14.5	7.5	7.0	7.0	7.0	7.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0		
26	15.0	14.0	14.5	7.0	7.0	7.0	7.0	7.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0		
27	14.5	14.0	14.5	7.0	7.0	7.0	7.0	7.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0		
28	14.5	13.5	14.0	7.0	6.5	7.0	7.0	6.5	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0		
29	13.5	13.0	13.5	6.5	6.5	6.5	6.5	6.5	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0		
30	13.0	13.0	13.0	6.5	6.0	6.5	6.0	6.5	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0		
31	12.5	12.0	12.5	---	---	---	---	---	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0		
MONTH	20.0	12.0	16.0	12.5	6.0	9.5	6.0	9.5	6.0	.0	2.0	.0	2.0	.0	.0	1.0	.0	.0		
DAY	FEBRUARY					MARCH					APRIL					MAY				
	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN		
1	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.5	3.5	3.5	3.5	12.5	12.0	12.0	12.5	12.0		
2	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.5	3.5	3.5	3.5	13.0	12.0	12.0	13.0	12.5		
3	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.5	3.5	3.5	3.5	13.5	12.5	12.5	13.5	13.0		
4	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.5	3.5	3.5	3.5	14.0	12.5	12.5	14.0	13.0		
5	.0	.0	.0	.0	.0	.0	.0	.0	4.5	3.5	4.0	3.5	4.0	14.0	13.0	13.0	14.0	13.5		
6	.0	.0	.0	.0	.0	.0	.0	.0	4.5	3.5	4.0	3.5	4.0	14.0	13.0	13.0	14.0	13.5		
7	.0	.0	.0	.0	.0	.0	.0	.0	4.5	3.5	4.0	3.5	4.0	14.5	13.0	13.0	14.5	13.5		
8	.0	.0	.0	.0	.0	.0	.0	.0	4.5	3.5	4.0	3.5	4.0	14.5	13.0	13.0	14.5	14.0		
9	.0	.0	.0	.0	.0	.0	.0	.0	6.0	4.5	5.0	4.5	5.0	15.0	13.5	13.5	15.0	14.0		
10	.0	.0	.0	.0	.0	.0	.0	.0	6.5	5.0	5.5	5.0	5.5	15.0	14.0	14.0	15.0	14.5		
11	.0	.0	.0	.0	.0	.0	.0	.0	6.0	5.5	6.0	5.5	6.0	15.5	14.5	14.5	15.5	14.5		
12	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.5	5.5	5.5	5.5	15.0	14.5	14.5	15.0	15.0		
13	.0	.0	.0	.0	.0	.0	.0	.0	6.5	6.0	6.5	6.0	6.5	15.0	14.5	14.5	15.0	15.0		
14	.0	.0	.0	.0	.0	.0	.0	.0	7.0	6.5	7.0	6.0	6.5	15.5	15.0	15.0	15.5	15.0		
15	.5	.0	.0	1.5	.5	1.0	.5	1.0	7.5	6.5	7.5	6.5	6.5	16.0	15.0	15.0	15.5	15.5		
16	.0	.0	.0	.0	.0	.0	.0	.0	7.5	7.0	7.5	6.5	7.0	16.0	15.0	15.0	16.0	15.0		
17	.0	.0	.0	.0	.0	.0	.0	.0	8.0	7.0	8.0	6.5	7.0	16.5	15.0	15.0	16.5	15.0		
18	.0	.0	.0	.0	.0	.0	.0	.0	8.0	7.0	8.0	6.5	7.0	16.5	15.0	15.0	16.5	15.0		
19	.0	.0	.0	.0	.0	.0	.0	.0	8.0	7.0	8.0	6.5	7.0	16.5	15.0	15.0	16.5	15.0		
20	.0	.0	.0	.0	.0	.0	.0	.0	8.0	7.0	8.0	6.5	7.0	16.5	15.0	15.0	16.5	15.0		
21	.0	.0	.0	.0	.0	.0	.0	.0	8.5	7.5	8.5	7.0	7.5	16.5	15.0	15.0	16.5	15.0		
22	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
23	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
24	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
25	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
26	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
27	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
28	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
29	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
30	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
31	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.0	9.0	7.5	8.0	16.5	15.0	15.0	16.5	15.0		
MONTH	---	---	---	---	---	---	---	---	12.0	3.0	7.0	3.0	7.0	18.0	12.0	12.0	18.0	15.0		

HUDSON RIVER BASIN

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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

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 mi².

PERIOD OF RECORD.--May 1903 to June 1905 (monthly discharges and daily gage heights only, published in WSP 97, 125, 166, and 202), August 1928 to current year.

REVISED RECORDS.--WSP 741: 1932. WSP 1902: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 114.37 ft above sea level (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 fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft³/s, Aug. 19, 1955, gage height, 19.60 ft, from floodmarks in gage shelter, from rating curve extended above 6,000 ft³/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 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	0530	*2,610	*7.38	Mar. 31	0445	2,270	6.96
Mar. 22	1630	1,650	6.10				

Minimum discharge, 5.3 ft³/s, Sept. 6, gage height, 2.19 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	103	195	e205	282	345	1500	155	79	63	15	8.8
2	128	88	173	e200	299	329	1140	149	339	76	14	7.9
3	122	83	147	e200	293	311	934	142	429	65	13	7.5
4	117	80	e140	e200	e240	306	804	134	446	57	17	7.1
5	117	81	e130	e200	e235	304	735	125	320	80	19	6.4
6	179	76	e120	e220	e240	310	695	118	238	74	20	5.9
7	179	72	e110	e215	e260	299	690	109	186	60	18	6.2
8	157	69	e100	214	234	278	690	104	155	53	15	6.1
9	133	69	e100	211	234	287	663	100	133	53	13	6.3
10	122	134	e100	e180	309	288	711	97	119	48	11	8.3
11	120	282	114	e170	366	300	616	91	109	48	11	12
12	116	260	110	e180	e300	304	596	88	114	47	17	8.0
13	100	196	e110	e170	e300	470	573	86	109	42	20	7.3
14	96	178	118	e160	311	638	507	79	102	38	23	12
15	91	275	122	e160	346	624	455	75	89	37	21	14
16	86	262	117	173	360	667	418	71	80	34	17	16
17	86	226	1020	180	372	780	385	70	119	31	15	13
18	108	200	2220	174	e300	796	357	70	149	33	14	11
19	181	185	1280	179	e280	767	325	71	121	32	15	9.8
20	156	165	906	204	299	802	303	67	106	29	14	9.9
21	152	157	694	e160	330	866	289	63	146	26	14	89
22	128	150	607	e160	e280	1390	289	83	132	25	13	66
23	109	141	516	e160	e270	1510	262	128	125	23	12	40
24	97	129	e410	e150	261	1230	241	134	221	20	12	28
25	93	128	e375	e140	276	1080	222	114	173	19	10	59
26	91	141	e325	e130	391	928	212	98	131	21	10	81
27	89	204	e280	e130	401	795	196	131	105	22	9.5	49
28	85	193	e260	e130	385	712	186	165	83	22	9.6	37
29	82	172	e230	e130	---	651	171	133	72	20	11	29
30	78	183	e220	e140	---	1290	163	106	64	18	8.9	26
31	82	---	e210	252	---	2070	---	90	---	16	8.8	---
TOTAL	3619	4682	11559	5477	8454	21727	15328	3246	4794	1232	440.8	687.5
MEAN	117	156	373	177	302	701	511	105	160	39.7	14.2	22.9
MAX	181	282	2220	252	401	2070	1500	165	446	80	23	89
MIN	78	69	100	130	234	278	163	63	64	16	8.8	5.9
CFSM	.64	.86	2.06	.98	1.67	3.87	2.82	.58	.88	.22	.08	.13
IN.	.74	.96	2.38	1.13	1.74	4.47	3.15	.67	.99	.25	.09	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001, BY WATER YEAR (WY)

	MEAN	119	194	270	304	338	569	499	311	191	118	82.8	95.8
MAX	882	696	949	932	786	1195	1112	1204	813	884	845	890	
(WY)	1956	1956	1997	1979	1976	1936	1983	1989	1972	1975	1955	1938	
MIN	7.42	10.5	23.5	24.0	72.2	168	140	82.2	30.7	10.8	7.82	4.29	
(WY)	1965	1965	1965	1981	1940	1965	1985	1941	1965	1965	1966	1964	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

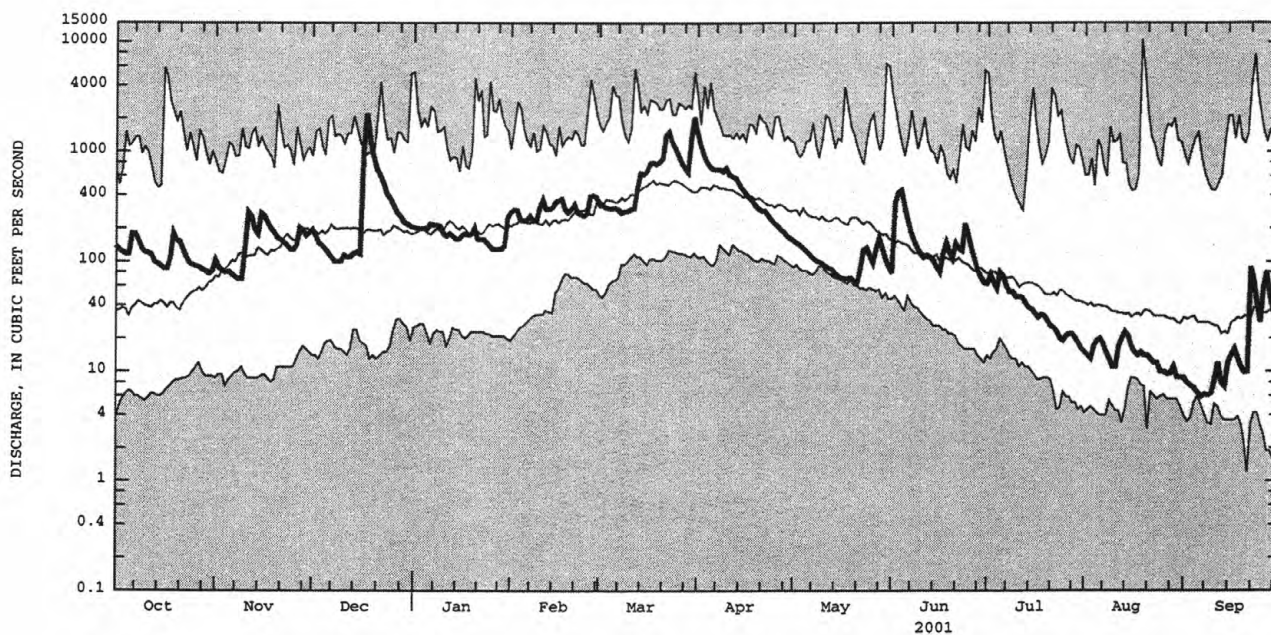
WATER YEARS 1928 - 2001

ANNUAL TOTAL	117220		81246.3									
ANNUAL MEAN	320		223							257		
HIGHEST ANNUAL MEAN										438		1973
LOWEST ANNUAL MEAN										65.7		1965
HIGHEST DAILY MEAN	2220	Dec 18	2220	Dec 18						10500	Aug 19	1955
LOWEST DAILY MEAN	66	Aug 31			5.9	Sep 6				1.2	Sep 20	1964
ANNUAL SEVEN-DAY MINIMUM	76	Aug 26			6.5	Sep 3				2.4	Sep 24	1964
ANNUAL RUNOFF (CFSM)	1.77				1.23					1.42		
ANNUAL RUNOFF (INCHES)	24.09				16.70					19.29		
10 PERCENT EXCEEDS	682				582					606		
50 PERCENT EXCEEDS	230				131					150		
90 PERCENT EXCEEDS	95				14					23		

e Estimated

HUDSON RIVER BASIN

01372500 WAPPINGER CREEK NEAR WAPPINGERS FALLS, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY

LOCATION.--Lat 41°23'10", long 73°57'20", Orange County, Hydrologic Unit 02020008, on right bank at South Dock at West Point.
 Water-quality sampling site at stage station.
DRAINAGE AREA.--12,598 mi².

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 sea level.

REMARKS.--Satellite and telephone gage-height, temperature, and specific conductance telemeter at station. All data are collected, stored, and reported in Eastern Standard Time.

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, 4.60 ft, Dec. 17; minimum, -3.01 ft, Dec. 13.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	2.82	-.73	1.09	2.81	-.11	1.29	2.62	-.84	.74	1.57	-1.71	-.21
2	2.89	-.59	1.21	2.91	.32	1.56	1.99	-.79	.64	1.85	-1.50	.37
3	2.92	-.12	1.39	3.15	.48	1.71	1.91	-.57	.58	2.05	-1.39	.65
4	2.98	-.11	1.27	2.98	.22	1.58	1.74	-.74	.58	2.42	-1.16	.69
5	2.65	-.29	1.12	2.12	-.67	1.03	2.42	-.84	1.00	2.59	-1.48	1.01
6	2.88	.01	1.52	2.52	-.70	1.15	1.77	-1.43	.03	3.33	-1.00	1.06
7	2.61	-.14	1.17	2.55	-.28	1.26	2.23	-1.16	.38	2.94	-1.54	.90
8	2.35	-.54	.83	3.00	-.16	1.58	2.40	-1.62	.74	3.21	-.96	1.03
9	2.49	-.78	.90	3.32	-.47	1.58	2.67	-1.14	.71	3.43	-.94	1.09
10	2.56	-.47	1.10	4.29	.25	2.22	2.62	-1.43	.70	2.22	-1.77	.24
11	1.67	-1.91	.04	3.23	-.43	1.46	2.80	-1.31	.82	3.13	-1.25	.80
12	2.46	-1.47	.58	3.43	-.48	1.46	3.82	-1.24	1.06	2.72	-1.57	.60
13	2.36	-1.09	.72	3.46	-.57	1.46	1.82	-3.01	-.44	3.15	-.88	1.06
14	2.49	-1.22	.74	3.68	-.44	1.61	3.41	-.90	.98	2.60	-1.13	.82
15	2.64	-1.02	.83	2.82	-.89	.84	2.21	-1.95	.22	2.42	-.81	.88
16	3.20	-.92	1.24	2.48	-1.19	.62	2.87	-1.19	.99	2.81	-1.10	.99
17	3.31	-.37	1.43	2.41	-1.17	.68	4.60	.61	2.47	2.03	-1.12	.45
18	3.40	-.29	1.47	2.16	-1.28	.39	1.90	-1.38	.29	2.17	-1.38	.76
19	2.65	-.62	1.06	2.09	-1.01	.74	2.17	-1.47	.68	2.71	-.82	1.13
20	2.62	-.60	1.04	2.80	-.85	1.17	2.86	-1.31	.71	2.56	-.68	1.07
21	2.67	-.72	.94	1.98	-.96	.57	1.75	-1.90	.21	2.19	-1.33	.84
22	2.41	-1.01	.68	1.40	-1.72	-.06	2.47	-1.43	.53	2.60	-1.27	.59
23	2.74	-1.04	.91	1.81	-1.96	.12	1.54	-2.20	-.13	2.35	-1.09	.55
24	2.70	-.82	1.01	2.49	-1.33	.58	2.10	-1.59	.22	2.87	-.63	.97
25	2.61	-1.09	.80	2.49	-1.33	.66	1.17	-2.92	-.92	2.83	-.79	.93
26	2.92	-.89	1.11	3.87	-.61	1.71	1.41	-2.24	-.71	2.61	-1.03	.73
27	3.01	-.77	1.18	3.10	-.71	1.01	1.59	-2.40	-.39	2.88	-.91	1.03
28	3.03	-1.21	.93	2.43	-1.23	.61	1.53	-2.02	-.10	1.87	-1.47	.21
29	2.73	-.98	.75	2.50	-1.08	.75	2.99	-.70	.90	2.41	-.56	.87
30	2.64	-.90	.81	2.23	-1.08	.64	3.10	-.34	1.22	2.82	-.38	1.17
31	2.71	-1.02	.93	---	---	---	1.71	-2.50	-.27	2.43	-.67	1.00
MONTH	3.40	-1.91	.99	4.29	-1.96	1.07	4.60	-3.01	.47	3.43	-1.77	.78

HUDSON RIVER BASIN

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.34	-.45	.81	2.25	-1.11	.63	3.23	.26	1.70	2.23	-1.06	.76
2	2.51	-.55	1.08	2.48	-.35	1.09	3.41	-.57	1.43	2.81	-.76	1.13
3	1.25	-1.48	-.10	3.01	-.45	1.17	2.72	-.70	1.05	2.66	-1.01	.97
4	2.44	-1.72	.71	3.08	-.37	1.55	2.72	-.81	1.04	2.75	-1.29	.87
5	2.76	-1.10	1.05	4.07	.26	2.17	2.81	-.93	1.02	3.13	-1.37	.88
6	2.35	-1.74	.33	3.37	-.57	1.25	3.17	-.83	1.21	3.43	-.94	1.08
7	2.21	-1.71	.07	4.53	.14	2.50	3.68	-.60	1.40	3.05	-1.12	1.06
8	2.32	-2.00	.20	4.43	.19	2.29	4.07	-.09	1.78	2.98	-1.12	.76
9	2.90	-1.51	.75	3.89	-.23	1.74	4.07	.14	1.97	2.98	-.94	.92
10	2.66	-2.05	.35	2.97	-1.47	.65	4.01	.45	1.97	2.95	-.65	1.02
11	.83	-2.84	-.95	2.65	-1.29	.66	3.79	.36	1.87	3.04	-.59	1.05
12	1.62	-2.42	-.31	2.09	-1.74	.22	3.49	.36	1.73	2.89	-.39	1.11
13	2.65	-1.17	.79	2.95	-.55	1.24	3.33	.41	1.67	2.17	-.78	.64
14	2.28	-.64	.83	3.16	-1.35	.83	2.67	.26	1.31	2.39	-.40	.92
15	2.77	-.78	.91	2.19	-.85	.58	2.63	.34	1.49	2.24	-.47	.87
16	2.40	-.78	.84	2.45	-.40	.84	3.00	.68	1.73	2.50	.16	1.50
17	3.02	-1.73	.41	2.48	-.27	.94	2.65	.26	1.42	3.00	-.04	1.58
18	1.46	-2.39	-.05	2.06	-.95	.39	2.12	-.63	.99	2.72	-.41	1.33
19	2.24	-1.27	.59	1.76	-1.10	.39	2.09	-.95	.64	2.66	-.67	1.21
20	2.24	-1.11	.64	2.03	-.71	.72	2.44	-1.05	.72	3.27	-.37	1.49
21	2.37	-1.62	.26	3.33	-.46	1.43	2.57	-1.11	.78	3.27	-.61	1.29
22	2.31	-1.95	.25	3.67	.03	1.87	2.24	-1.34	.59	3.49	-.57	1.42
23	2.92	-.84	.85	2.55	-.71	.97	2.99	-1.24	.68	3.68	-.39	1.57
24	2.14	-1.91	.21	2.87	-.60	1.05	2.96	-.42	1.29	3.63	-.66	1.36
25	2.77	-1.02	1.01	2.49	-1.29	.61	2.98	-.81	.82	3.27	-.53	1.28
26	2.66	-1.51	.60	2.79	-.72	.96	3.15	-.41	1.23	3.33	-.73	1.17
27	2.10	-1.34	.41	2.25	-1.23	.45	3.39	-.13	1.51	3.16	-.34	1.37
28	2.13	-1.33	.45	2.16	-1.28	.44	3.44	-.94	1.03	3.47	-.11	1.56
29	---	---	---	2.11	-1.13	.56	2.44	-.82	.71	3.26	-.19	1.56
30	---	---	---	3.06	.02	1.58	2.54	-1.04	.61	2.85	-.66	1.13
31	---	---	---	3.05	-.37	1.19	---	---	---	2.39	-1.04	.84
MONTH	3.02	-2.84	.46	4.53	-1.74	1.06	4.07	-1.34	1.25	3.68	-1.37	1.15

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	2.91	-.93	1.04	2.91	-.92	1.05	2.81	-.73	.98	2.68	-.62	1.20
2	3.58	-.30	1.71	2.61	-1.53	.50	2.96	-.47	1.08	3.06	-.57	1.24
3	3.47	-.40	1.61	3.20	-.94	.96	2.65	-.81	.84	3.15	-.36	1.37
4	3.09	-.72	1.26	3.30	-.74	1.15	3.00	-.72	.95	3.10	-.26	1.39
5	3.08	-.75	1.06	3.22	-.34	1.28	2.97	-.54	1.12	2.79	-.60	1.02
6	3.11	-.78	1.01	3.13	-.88	.91	2.79	-.62	1.01	2.57	-.57	1.13
7	3.11	-.57	1.05	3.01	-.73	1.03	2.72	-.64	.94	2.55	-.52	1.14
8	3.13	-.53	1.06	3.05	-.43	1.22	2.46	-.79	.92	2.51	-.57	1.11
9	3.02	-.55	1.08	3.03	-.37	1.29	2.59	-.47	1.19	2.44	-.70	1.03
10	2.98	-.43	1.13	3.00	-.30	1.33	2.68	-.48	1.10	2.89	-.43	1.20
11	2.77	-.57	1.15	2.87	-.34	1.29	2.14	-.94	.80	2.40	-.87	.80
12	2.86	-.46	1.24	2.60	-.39	1.12	2.50	-.56	1.11	3.10	-.47	1.19
13	2.78	-.38	1.19	2.25	-.49	1.04	2.46	-.74	1.00	3.15	-.43	1.36
14	2.43	-.61	1.04	2.23	-.67	1.01	2.85	-.84	1.03	3.02	-.94	1.03
15	2.31	-.69	1.03	2.59	-.62	1.08	3.25	-.51	1.31	3.30	-.63	1.40
16	2.56	-.65	1.13	2.91	-.65	1.14	3.33	-.62	1.36	3.33	-.68	1.37
17	2.77	-.91	1.07	2.96	-.76	1.14	3.23	-.73	1.30	3.20	-.73	1.32
18	2.62	-1.19	.84	3.32	-.76	1.17	3.24	-.98	1.10	3.19	-.61	1.33
19	3.01	-1.12	.92	3.75	-.46	1.50	3.36	-.83	1.20	3.21	-.60	1.43
20	2.94	-1.03	.96	3.47	-.76	1.40	3.33	-.59	1.36	3.55	-.23	1.76
21	3.12	-1.17	.83	3.41	-.86	1.21	3.34	-.64	1.26	3.34	-.15	1.60
22	3.78	-.54	1.34	3.41	-.64	1.31	3.03	-.85	1.08	3.15	-.31	1.47
23	3.78	-.47	1.52	3.45	-.65	1.28	2.80	-.82	1.07	2.76	-.49	1.23
24	3.63	-.70	1.26	3.17	-.67	1.17	2.76	-.69	1.09	3.24	.00	1.55
25	3.25	-.72	1.12	2.87	-.87	.97	3.04	-.46	1.41	3.42	.08	1.90
26	3.11	-.63	1.08	2.51	-.98	.93	3.05	-.29	1.51	2.44	-.28	1.05
27	2.82	-.80	1.03	2.70	-.75	1.23	2.87	-.22	1.39	2.59	-.38	1.09
28	2.51	-1.00	.94	2.68	-.97	.98	3.09	-.24	1.28	2.50	-.46	1.03
29	3.23	-.62	1.36	2.73	-.76	1.15	2.89	-.48	1.18	3.55	-.45	1.46
30	3.04	-.88	1.29	3.20	-.31	1.40	3.27	-.34	1.29	4.18	.64	2.45
31	---	---	---	2.97	-.39	1.33	3.38	-.12	1.59	---	---	---
MONTH	3.78	-1.19	1.14	3.75	-1.53	1.15	3.38	-.98	1.16	4.18	-.94	1.32

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. All data are collected, stored, and reported in Eastern Standard Time. Interruption of record was due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 12,600 $\mu\text{S}/\text{cm}$, Sept. 23, 1995; minimum, 102 $\mu\text{S}/\text{cm}$, May 30, 1996.

WATER TEMPERATURE: Maximum, 28.5°C, Aug. 1, 1999; minimum, 0.0°C on many days during winter periods, except 1998.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 10,100 $\mu\text{S}/\text{cm}$, Nov. 10; minimum, 151 $\mu\text{S}/\text{cm}$, May 15.

WATER TEMPERATURE: Maximum, 28.0°C, Aug. 8, 9, 15; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	362	251	289	532	345	408	379	298	330	415	199	247
2	394	255	289	1080	348	523	322	278	299	859	214	592
3	362	262	293	3040	410	1140	314	275	287	1220	520	940
4	369	257	282	4710	848	1980	617	273	331	1690	863	1250
5	861	252	345	4300	1350	2350	2440	316	993	2300	966	1620
6	1590	257	558	6360	1700	3660	2470	472	1240	2770	1030	1860
7	2210	342	923	6700	2930	4580	3550	1440	2240	2880	710	1570
8	2800	678	1530	8050	3990	6030	4060	1220	2560	2450	761	1420
9	3950	1260	2320	7950	4530	6510	3910	1560	2680	2140	657	1160
10	4540	2390	3510	10100	6690	8270	3820	1650	2570	1220	412	683
11	4910	1900	3180	8480	5360	6740	3550	1370	2310	1250	422	683
12	4930	2420	3790	8000	5240	6490	3970	1020	2320	781	364	514
13	5220	2780	4000	7460	4800	6100	---	---	---	800	372	516
14	4880	2550	3750	7010	4500	5760	---	---	---	554	315	419
15	4610	2450	3590	5440	3090	4470	---	---	---	452	294	361
16	5040	2390	3590	4790	2710	3740	---	---	---	481	266	341
17	4490	2570	3580	3940	2390	3260	---	---	---	334	241	272
18	4000	2300	3260	3270	1690	2580	---	---	---	307	225	257
19	2810	1530	2320	3010	1730	2420	---	---	---	307	228	254
20	2240	1070	1650	3130	1630	2360	244	229	238	269	220	236
21	1700	885	1240	3080	1310	1850	233	214	221	251	217	230
22	1330	599	860	1980	838	1210	222	210	214	1570	217	576
23	1230	585	791	1440	729	1010	211	204	207	1810	278	893
24	1180	542	759	1740	699	1050	212	203	205	2110	474	1150
25	936	468	623	1520	664	952	207	202	203	1990	563	1170
26	1070	444	636	2280	732	1210	207	203	204	2000	474	1040
27	927	451	611	1290	604	909	206	203	204	1940	621	1260
28	807	384	527	747	435	597	206	203	204	1220	446	756
29	654	362	456	612	392	482	207	203	204	1520	493	959
30	564	352	434	446	299	389	213	204	205	1640	581	1020
31	625	345	406	---	---	---	211	199	204	1270	464	853
MONTH	5220	251	1630	10100	299	2970	---	---	---	2880	199	810

HUDSON RIVER BASIN

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

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	997	416	603	307	290	298	291	281	287	170	165	167
2	936	376	532	308	293	302	287	275	280	170	166	168
3	400	255	303	312	297	307	277	274	275	172	168	170
4	1100	245	535	316	305	311	279	274	276	174	169	172
5	1080	272	517	632	310	346	280	275	278	175	171	172
6	698	255	371	1180	316	526	281	276	278	173	171	172
7	469	248	303	3280	524	1900	280	269	274	173	170	171
8	507	246	301	3730	1370	2590	274	262	268	173	167	169
9	654	259	352	3180	1010	2130	265	250	258	173	163	167
10	515	244	319	2320	583	1140	273	252	261	171	161	165
11	264	240	249	1560	553	935	283	270	278	169	160	163
12	251	241	245	857	445	596	282	261	274	168	156	161
13	273	243	248	1090	475	676	266	230	251	161	154	157
14	249	244	246	936	360	527	231	200	218	162	153	156
15	252	246	247	475	353	394	203	192	197	396	151	206
16	251	246	248	408	340	359	193	186	189	2550	213	872
17	255	247	250	354	331	338	186	179	182	3390	1040	1940
18	256	251	253	331	317	324	181	176	179	5110	1600	2850
19	255	252	253	323	315	318	180	176	178	6290	1650	3530
20	257	252	254	339	309	315	179	175	176	6280	3060	4580
21	261	254	257	689	306	387	179	176	176	6760	3640	5140
22	263	258	260	852	295	463	178	171	175	6880	3760	5180
23	269	260	262	304	296	299	175	169	171	6900	3360	4990
24	270	264	267	308	300	304	172	162	167	6130	2220	3990
25	273	266	269	305	293	298	163	158	161	4920	2070	3290
26	285	269	274	297	289	292	161	158	159	4240	1540	2790
27	292	275	283	296	289	291	160	158	159	3550	1420	2380
28	302	282	291	298	291	294	163	159	161	2880	1060	1890
29	---	---	---	301	293	297	165	161	163	1980	644	1230
30	---	---	---	301	294	297	168	163	165	1080	426	696
31	---	---	---	300	288	293	---	---	---	632	282	425
MONTH	1100	240	314	3730	288	585	291	158	217	6900	151	1560

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	607	241	345	288	222	234	5490	2660	3950	8200	4660	6350
2	607	245	339	262	219	227	5520	2970	4120	7590	4380	6330
3	432	197	250	268	221	229	5490	3340	4250	7650	5000	6520
4	259	174	192	286	223	232	5500	3450	4460	7900	5440	6610
5	212	175	180	273	221	232	5950	3360	4570	7210	4940	6100
6	186	179	183	259	213	226	5730	3350	4400	7150	5080	6200
7	191	183	187	247	219	224	5390	3270	4290	7630	5150	6300
8	193	187	190	250	220	227	5020	3170	4150	7490	5110	6370
9	197	190	193	247	220	226	5300	3540	4430	7590	4810	6270
10	205	193	197	246	221	228	5420	3440	4500	7610	5320	6320
11	202	196	200	241	221	226	5510	3180	4320	6760	4290	5660
12	205	199	202	246	222	226	5820	3230	4500	7910	4580	5880
13	209	203	206	847	222	405	5750	3140	4380	7770	4970	6460
14	226	207	210	1830	333	908	6780	3150	4440	8710	4950	6580
15	853	211	305	3280	741	1570	7500	3530	5120	8710	5470	7020
16	1490	251	624	4820	1080	2430	8000	4510	6080	8590	5410	6960
17	2180	363	967	6040	1680	3410	8320	4860	6520	8520	5470	6910
18	2610	344	1170	6250	2430	3990	8010	4260	6190	8200	5520	6820
19	2800	576	1460	7370	3400	4910	7960	4700	6170	8090	5380	6810
20	3280	664	1770	7310	3230	5100	8010	4790	6290	8660	5730	7150
21	3280	666	1480	6940	3460	4980	7470	4500	6020	7940	5430	6790
22	2610	830	1540	6780	3690	5120	6840	4380	5690	7620	5090	6430
23	2660	766	1420	6900	3520	5040	6660	4300	5590	6890	4680	5940
24	1790	438	898	6240	3530	4890	6560	4100	5380	7560	4830	6040
25	914	291	497	5700	3290	4500	7710	4420	5770	7720	5590	6610
26	480	243	324	5080	3150	4150	7410	4490	5860	6530	4380	5410
27	336	231	261	5380	3090	4320	6820	4520	5740	6090	4510	5290
28	274	225	239	5420	2830	4080	7120	4110	5520	6210	4230	5150
29	355	224	245	5480	3040	4100	7150	4100	5410	7890	4680	5730
30	280	225	239	6110	3080	4300	7960	4010	5910	7580	5510	6450
31	---	---	---	5980	2950	4320	7960	5900	6810	---	---	---
MONTH	3280	174	550	7370	213	2430	8320	2660	5190	8710	4230	6320

HUDSON RIVER BASIN

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	20.0	19.5	19.5	14.0	13.0	13.5	7.0	6.5	7.0	.0	.0	.0
2	20.0	19.5	19.5	13.5	12.5	13.0	6.5	6.5	6.5	.0	.0	.0
3	19.5	19.5	19.5	13.0	12.5	13.0	6.5	6.0	6.0	.0	.0	.0
4	19.5	19.5	19.5	13.0	12.5	13.0	6.0	5.5	6.0	.0	.0	.0
5	19.5	19.0	19.0	13.0	12.5	12.5	6.0	5.5	6.0	.0	.0	.0
6	19.5	19.0	19.0	12.5	12.0	12.5	6.0	5.0	5.5	.0	.0	.0
7	19.0	18.5	19.0	12.5	12.0	12.5	6.0	4.5	5.5	.0	.0	.0
8	19.0	18.0	18.5	12.5	12.0	12.5	5.5	4.5	5.0	.0	.0	.0
9	18.5	17.5	18.0	12.5	12.5	12.5	5.5	4.5	5.0	.0	.0	.0
10	18.0	17.5	18.0	12.5	12.5	12.5	5.0	4.5	5.0	.0	.0	.0
11	18.0	17.5	17.5	12.5	12.5	12.5	5.0	4.5	5.0	.0	.0	.0
12	18.0	17.0	17.5	12.5	12.0	12.5	5.0	4.0	5.0	.0	.0	.0
13	18.0	17.5	17.5	12.5	12.0	12.0	4.5	4.0	4.0	.0	.0	.0
14	18.0	17.5	17.5	12.0	12.0	12.0	4.5	4.0	4.5	.0	.0	.0
15	18.0	17.5	17.5	12.0	11.0	11.5	4.5	4.0	4.0	.0	.0	.0
16	17.5	17.5	17.5	11.5	11.0	11.5	4.5	4.0	4.0	.0	.0	.0
17	17.5	17.0	17.5	11.5	10.5	11.0	4.5	4.0	4.5	.0	.0	.0
18	17.5	17.0	17.0	11.0	10.5	10.5	4.0	1.5	3.0	.0	.0	.0
19	17.0	16.5	17.0	10.5	10.0	10.5	1.5	1.0	1.0	.0	.0	.0
20	17.0	16.5	16.5	10.5	10.0	10.0	1.0	.5	1.0	.0	.0	.0
21	17.0	16.5	16.5	10.5	9.5	10.0	1.0	.5	.5	.0	.0	.0
22	16.5	16.0	16.5	9.5	8.5	9.0	1.0	.5	.5	.0	.0	.0
23	17.0	16.0	16.0	9.0	8.0	8.5	.5	.0	.5	.0	.0	.0
24	16.5	16.0	16.0	9.0	8.0	8.5	.5	.0	.5	.5	.0	.0
25	16.5	15.5	16.0	8.5	7.5	8.0	.5	.0	.0	.5	.0	.0
26	16.5	15.5	16.0	8.5	7.5	8.0	.0	.0	.0	.5	.0	.0
27	16.0	15.5	16.0	8.0	7.5	7.5	.0	.0	.0	.5	.0	.0
28	16.0	15.0	15.5	7.5	7.0	7.5	.0	.0	.0	.5	.0	.0
29	15.5	14.5	15.0	7.5	7.0	7.0	.0	.0	.0	.5	.0	.0
30	15.0	14.0	14.5	7.0	7.0	7.0	.0	.0	.0	.5	.0	.0
31	14.5	13.5	14.0	---	---	---	.0	.0	.0	.5	.0	.0
MONTH	20.0	13.5	17.0	14.0	7.0	11.0	7.0	.0	3.0	.5	.0	.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.5	.0	.5	1.0	.5	.5	4.0	4.0	4.0	12.0	11.0	11.5
2	.5	.0	.5	.5	.5	.5	4.0	4.0	4.0	12.5	11.5	12.0
3	.5	.0	.5	1.0	.5	.5	4.5	4.0	4.0	13.5	12.0	12.5
4	.5	.0	.5	.5	.5	.5	4.5	4.0	4.5	14.0	12.5	13.0
5	.5	.0	.5	1.0	.0	.5	5.0	4.5	4.5	14.5	13.0	14.0
6	.5	.0	.0	.5	.0	.0	5.0	4.5	4.5	14.5	13.5	14.0
7	.5	.0	.0	1.0	.0	.5	5.0	4.5	4.5	14.5	13.5	14.0
8	.5	.0	.0	1.0	.5	.5	4.5	4.5	4.5	15.0	14.0	14.5
9	.5	.5	.5	1.0	.5	.5	5.0	4.5	4.5	15.5	14.0	14.5
10	1.0	.5	.5	1.0	.5	.5	6.0	5.0	5.0	16.0	14.5	15.0
11	1.0	.5	.5	1.0	.5	.5	6.0	5.5	5.5	15.5	14.5	15.0
12	.5	.0	.5	1.0	.5	.5	6.0	6.0	6.0	16.0	15.0	15.5
13	.5	.5	.5	1.0	.5	1.0	6.5	6.0	6.0	16.0	15.5	15.5
14	.5	.5	.5	1.0	1.0	1.0	6.5	6.0	6.0	16.0	15.5	15.5
15	.5	.5	.5	1.5	1.0	1.0	7.0	6.0	6.5	16.5	15.5	16.0
16	.5	.5	.5	1.5	1.0	1.5	7.0	6.5	7.0	16.0	15.5	16.0
17	.5	.0	.5	1.5	1.5	1.5	7.0	7.0	7.0	16.0	15.5	16.0
18	.5	.0	.5	2.0	1.5	2.0	7.5	7.0	7.0	16.0	15.5	15.5
19	.5	.0	.5	2.5	1.5	2.0	7.5	7.0	7.0	16.5	15.5	16.0
20	.5	.5	.5	3.0	2.0	2.5	8.0	7.0	7.5	16.5	16.0	16.0
21	.5	.5	.5	2.5	2.5	2.5	8.0	7.5	7.5	16.5	16.0	16.0
22	.5	.5	.5	3.0	2.5	2.5	9.5	7.5	8.5	16.5	16.0	16.0
23	.5	.5	.5	3.0	2.5	3.0	10.0	8.5	9.0	16.5	16.0	16.0
24	.5	.0	.5	3.0	3.0	3.0	10.0	9.0	9.5	17.0	16.0	16.5
25	.5	.5	.5	3.5	3.0	3.0	9.5	9.5	9.5	16.5	16.5	16.5
26	1.0	.5	.5	3.5	3.0	3.5	10.0	9.0	9.5	16.5	16.5	16.5
27	1.0	.5	.5	3.5	3.0	3.5	10.0	9.5	9.5	16.5	16.5	16.5
28	1.0	.5	.5	4.0	3.5	3.5	11.0	9.5	10.5	17.0	16.5	16.5
29	---	---	---	4.0	3.5	3.5	11.0	10.0	10.5	17.0	16.5	17.0
30	---	---	---	4.0	3.5	4.0	11.5	10.5	11.0	17.5	16.5	17.0
31	---	---	---	4.0	4.0	4.0	---	---	---	17.5	17.0	17.0
MONTH	1.0	.0	.5	4.0	.0	1.5	11.5	4.0	7.0	17.5	11.0	15.5

HUDSON RIVER BASIN

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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

01374349 HUDSON RIVER AT TOMKINS COVE, NY

LOCATION.--Lat 41°15'31", long 73°58'41", Rockland County, Hydrologic Unit 02030101, on right bank at power plant at Tomkins Cove. Water-quality sampling site at stage station.

DRAINAGE AREA.--12,731 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--December 1996 to June 2001 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below sea level (Orange and Rockland Utilities, Inc. benchmark).

REMARKS.--Satellite gage-height, temperature, and specific conductance telemeter at station. All data are collected, stored, and reported in Eastern Standard Time.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.30 ft, Dec. 13, 1996; minimum, -3.33 ft, Jan. 17, 2000.

EXTREMES FOR CURRENT PERIOD.--October 2000 to June 2001: Maximum elevation, 4.92 ft, Mar. 7; minimum, -2.90 ft, Dec. 13.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	3.14	-.62	1.25	3.09	-.04	1.48	2.84	-.81	.90	1.37	-1.74	-.31
2	3.25	-.47	1.38	3.29	.33	1.71	2.24	-.69	.79	2.02	-1.30	.52
3	3.17	-.02	1.53	3.53	.45	1.85	2.18	-.54	.74	2.16	-1.02	.79
4	3.27	.00	1.43	3.34	.21	1.72	2.02	-.68	.73	2.55	-1.18	.83
5	2.87	-.20	1.28	2.46	-.71	1.16	2.71	-1.06	1.12	2.75	-1.30	1.16
6	3.17	-.09	1.64	2.90	-.71	1.33	---	-1.42	---	3.40	-.79	1.20
7	2.94	-.17	1.30	2.99	-.25	1.43	---	---	---	2.98	-1.33	1.06
8	2.65	-.56	.98	3.36	-.20	1.75	---	---	---	3.27	-.73	1.20
9	2.76	-.64	1.06	3.68	-.35	1.75	---	---	---	3.48	-.71	1.25
10	2.91	-.41	1.25	4.59	.29	2.38	---	---	---	2.39	-1.49	.41
11	1.99	-1.79	.19	3.55	-.38	1.62	---	---	---	3.22	-1.02	.93
12	2.80	-1.40	.74	3.79	-.34	1.63	4.16	-1.17	1.12	2.81	-1.30	.77
13	2.67	-.98	.87	3.78	-.48	1.61	2.29	-2.90	-.25	3.27	-.64	1.20
14	2.79	-1.13	.89	3.99	-.33	1.73	3.77	-.78	1.09	2.70	-.82	.95
15	2.96	-.92	.97	3.18	-.86	.95	2.47	-1.88	.37	2.53	-.56	1.03
16	3.46	-.83	1.40	2.79	-1.13	.74	3.15	-1.09	1.13	2.94	-.83	1.12
17	3.60	-.27	1.57	2.72	-1.06	.78	4.81	.55	2.49	2.18	-1.08	.61
18	3.71	-.22	1.59	2.40	-1.17	.52	2.10	-1.30	.33	2.23	-1.13	.95
19	2.94	-.55	1.18	2.39	-.93	.88	2.40	-1.31	.82	2.85	-.60	1.32
20	2.89	-.57	1.18	3.07	-.80	1.32	3.22	-1.44	.84	2.67	-.48	1.29
21	2.89	-.61	1.09	2.32	-.88	.71	2.05	-1.77	.37	2.36	-1.20	.98
22	2.74	-.83	.87	1.69	-1.61	.09	2.71	-1.30	.69	2.66	-1.09	.77
23	3.07	-.96	1.09	2.15	-1.88	.30	1.80	-2.05	.05	2.51	-.81	.72
24	3.02	-.72	1.18	2.79	-1.23	.75	2.36	-1.46	.39	3.00	-.44	1.13
25	2.92	-.94	.99	2.80	-1.19	.83	1.18	-2.74	-.75	2.97	-.56	1.07
26	3.21	-.78	1.29	4.11	-.49	1.88	1.51	-2.04	-.56	2.76	-.82	.91
27	3.36	-.65	1.36	3.42	-.66	1.13	1.74	-2.21	-.21	3.03	-.67	1.15
28	3.46	-1.01	1.11	2.67	-1.12	.75	1.76	-1.78	.06	1.95	-1.28	.35
29	2.99	-.86	.93	2.78	-.97	.89	3.15	-.52	1.09	2.56	-.35	1.03
30	3.01	-.78	1.00	2.55	-.95	.76	3.26	-.12	1.40	2.94	-.19	1.31
31	3.06	-.87	1.13	---	---	---	1.83	-2.30	-.18	2.58	-.44	1.13
MONTH	3.71	-1.79	1.15	4.59	-1.88	1.21	4.81	-2.90	.58	3.48	-1.74	.93

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	2.51	-.24	.95	2.55	-.93	.81	3.51	.40	1.88	2.58	-.93	.98
2	2.67	-.55	1.21	2.75	-.19	1.28	3.71	-.50	1.62	3.18	-.65	1.35
3	1.53	-1.37	.04	3.33	-.28	1.38	3.05	-.52	1.27	3.05	-.87	1.21
4	2.46	-1.51	.90	3.38	.08	1.77	3.06	-.69	1.27	3.15	-1.13	1.11
5	2.91	-.91	1.24	4.36	.09	2.37	3.20	-.78	1.24	3.39	-1.14	1.14
6	2.53	-1.49	.50	3.66	-.43	1.47	3.53	-.68	1.42	3.84	-.79	1.34
7	2.31	-1.45	.27	4.92	.19	2.73	4.00	-.42	1.62	3.40	-.93	1.28
8	2.33	-1.72	.40	4.83	.25	2.47	4.29	-.04	1.95	3.33	-.97	.97
9	2.99	-1.26	.94	4.22	-.11	1.92	4.24	.24	2.12	3.33	-.76	1.13
10	2.83	-1.78	.49	2.91	-1.33	.82	4.23	.56	2.10	3.33	-.52	1.2
11	1.01	-2.55	-.79	3.01	-1.18	.82	3.99	.51	1.99	3.39	-.46	1.26
12	1.70	-2.12	-.10	2.58	-1.58	.41	3.71	.49	1.88	3.22	-.28	1.31
13	2.75	-.88	.95	3.33	-.43	1.42	3.55	.59	1.81	2.54	-.56	.87
14	2.45	-.41	1.01	3.44	-1.19	.98	2.89	.47	1.47	2.66	-.26	1.10
15	2.96	-.55	1.09	2.45	-.75	.76	2.85	.49	1.66	2.54	-.49	1.04
16	2.64	-.53	1.04	2.72	-.29	1.04	3.29	.77	1.92	2.88	.16	1.68
17	3.35	-1.73	.59	2.77	-.12	1.15	2.93	.41	1.61	3.41	.05	1.74
18	1.55	-2.14	.16	2.38	-.81	.60	2.41	-.47	1.22	3.07	-.27	1.52
19	2.41	-1.05	.79	2.05	-.91	.60	2.41	-.79	.82	3.08	-.57	1.40
20	2.47	-.91	.84	2.35	-.63	.91	2.74	-.96	.91	3.60	-.22	1.68
21	2.64	-1.42	.45	3.57	-.34	1.65	2.88	-.95	.98	3.61	-.51	1.49
22	2.59	-1.74	.48	4.01	.06	2.01	2.60	-1.22	.78	3.88	-.50	1.62
23	3.24	-.72	1.04	2.90	-.66	1.11	3.30	-1.16	.87	4.05	-.30	1.75
24	2.48	-1.68	.43	3.15	-.48	1.18	3.33	-.35	1.46	3.67	-.53	1.53
25	3.02	-.79	1.20	2.80	-1.17	.81	3.37	-.64	1.02	3.64	-.44	1.45
26	2.98	-1.31	.77	3.11	-.57	1.16	3.68	-.31	1.42	3.65	-.64	1.33
27	2.40	-1.20	.62	2.53	-1.04	.65	3.68	-.04	1.70	3.53	-.27	1.53
28	2.44	-1.15	.65	2.45	-1.09	.63	3.80	-.79	1.23	3.79	-.05	1.69
29	---	---	---	2.46	-1.00	.76	2.77	-.74	.90	3.54	-.14	1.70
30	---	---	---	3.33	.13	1.77	2.85	-.90	.79	3.20	-.56	1.29
31	---	---	---	3.35	-.25	1.36	---	---	---	2.75	-.95	1.02
MONTH	3.35	-2.55	.65	4.92	-1.58	1.25	4.29	-1.22	1.43	4.05	-1.14	1.35
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	3.20	-.79	1.25	---	---	---	---	---	---	---	---	---
2	3.92	-.20	1.90	---	---	---	---	---	---	---	---	---
3	3.77	-.24	1.80	---	---	---	---	---	---	---	---	---
4	3.43	-.54	1.46	---	---	---	---	---	---	---	---	---
5	3.41	-.56	1.27	---	---	---	---	---	---	---	---	---
6	3.44	-.63	1.23	---	---	---	---	---	---	---	---	---
7	3.49	-.44	1.26	---	---	---	---	---	.78	---	---	---
8	3.44	-.43	1.25	---	---	---	---	---	---	---	---	---
9	3.33	-.44	1.27	---	---	---	---	---	---	---	---	---
10	3.26	-.33	1.32	---	---	---	---	---	---	---	---	---
11	3.09	-.43	1.33	---	---	---	---	---	---	---	---	---
12	3.22	-.36	1.41	---	---	---	---	---	---	---	---	---
13	3.13	-.20	1.36	---	---	---	---	---	---	---	---	---
14	2.72	-.51	1.20	---	---	---	---	---	---	---	---	---
15	2.59	-.58	1.19	---	---	---	---	---	---	---	---	---
16	2.81	-.57	1.28	---	---	---	---	---	---	---	---	---
17	3.03	-.81	1.24	---	---	---	---	---	---	---	---	---
18	2.94	-1.15	.98	---	---	---	---	---	---	---	---	---
19	3.28	-1.03	1.06	---	---	---	---	---	---	---	---	---
20	3.27	-.93	1.11	---	---	---	---	---	---	---	---	---
21	3.45	-1.07	1.00	---	---	---	---	---	---	---	---	---
22	4.09	-.49	1.49	---	---	---	---	---	---	---	---	---
23	3.97	-.45	1.65	---	---	---	---	---	---	---	---	---
24	3.97	-.59	1.39	---	---	---	---	---	---	---	---	---
25	3.57	-.62	1.26	---	---	---	---	---	---	---	---	---
26	3.43	-.56	1.23	---	---	---	---	---	---	---	---	---
27	3.15	-.73	1.19	---	---	---	---	---	---	---	---	---
28	2.85	-.88	1.12	---	---	---	---	---	---	---	---	---
29	3.57	-.47	1.56	---	---	---	---	---	---	---	---	---
30	3.32	-.72	1.47	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	4.09	-1.15	1.32	---	---	---	---	---	---	---	---	---

01374349 HUDSON RIVER AT TOMKINS COVE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1996 to June 2001 (discontinued).

WATER TEMPERATURE: December 1996 to June 2001 (discontinued).

INSTRUMENTATION.--Water-quality monitor provides 15-minute-interval readings.

REMARKS.--Satellite temperature and specific conductance telemeter at station. All data are collected, stored, and reported in Eastern Standard Time. Interruptions of record were due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 16,200 $\mu\text{S}/\text{cm}$, Aug. 27, 1999; minimum recorded, 161 $\mu\text{S}/\text{cm}$, Apr. 30, 2001, but may have been less during period of instrument malfunction.

WATER TEMPERATURE: Maximum, 30.5°C, Aug. 1, 2, 3, 4, 17, 18, 1999; minimum, 0.0°C on many days during winter periods except 1998.

EXTREMES FOR CURRENT PERIOD.--October 2000 to June 2001

SPECIFIC CONDUCTANCE: Maximum, 13,800 $\mu\text{S}/\text{cm}$, Nov. 11; minimum, 161 $\mu\text{S}/\text{cm}$, Apr. 30.

WATER TEMPERATURE: Maximum, 28.0°C, June 29; minimum, 0.0°C on several days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	3380	1070	2100	4020	1620	2640	2500	727	1400	3380	785	1960
2	3500	1180	2090	5770	1970	3680	1980	733	1230	4130	1830	2900
3	3490	1230	2280	7460	3190	4910	3230	598	1450	5070	2240	3510
4	3610	1340	2250	7760	4810	6090	4430	1290	2520	4880	2940	3940
5	4130	1430	2600	9710	5790	7150	6330	2340	3870	5740	3110	4440
6	6010	2300	3580	11000	6020	8270	6620	---	---	6180	4020	5010
7	7330	3390	4820	11400	---	---	7010	4270	5600	6530	3790	5130
8	8020	4200	6000	13100	9120	11000	7490	4490	6060	6570	3710	4960
9	9240	5480	6950	13300	10400	11900	7760	5170	6340	6180	3310	4530
10	9960	6710	8240	13700	11000	12500	7640	4880	6190	5140	2220	3480
11	9910	6610	8210	13800	10200	12000	7400	4690	6000	5060	2270	3450
12	10000	7010	8470	13200	9460	11100	7750	4090	6050	4370	1930	2990
13	9850	7100	8430	12500	9030	10600	6000	2770	4150	4200	1810	2970
14	9390	6640	8110	12200	8710	10400	6770	3720	5180	3700	1430	2560
15	9250	6500	7900	10600	6890	8830	5800	2930	4190	3220	1420	2170
16	9290	6330	7810	9880	6320	7950	5960	3310	4450	3460	1280	2050
17	9100	6450	7750	8940	5750	7380	6280	3240	5060	2510	1000	1490
18	8750	5720	7260	8030	4980	6430	3240	264	883	2280	813	1400
19	7370	4600	6100	7980	4960	6450	292	243	260	2450	841	1460
20	6720	3970	5290	7740	4910	6370	280	241	250	3290	771	1620
21	6160	3210	4700	6940	4290	5620	287	241	254	4650	1350	2430
22	5110	2560	3830	6110	3280	4540	285	235	250	5870	1850	3590
23	5280	2670	3830	5460	3020	4110	242	216	233	6090	2970	4390
24	5290	2570	3750	5720	3070	4140	240	218	228	6630	3440	4890
25	4700	2180	3280	5440	2780	3910	232	209	218	6730	3660	5000
26	4720	2210	3270	6000	2970	4240	230	206	216	5980	3080	4420
27	4540	2080	3100	5140	2210	3610	226	208	215	6380	3560	4790
28	4370	1540	2670	4280	1610	2730	221	207	213	5280	2720	3730
29	3670	1570	2390	3740	1360	2370	398	209	220	5620	3090	4110
30	3740	1470	2360	2880	841	1800	1900	212	632	5600	3140	4140
31	3670	1440	2240	---	---	---	2290	501	1230	5320	2600	3870
MONTH	10000	1070	4890	13800	---	---	7760	---	---	6730	771	3460

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[illegible]

HUDSON RIVER BASIN

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01374349 HUDSON RIVER AT TOMKINS COVE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	21.5	20.0	21.0	15.5	14.0	15.0	8.5	7.5	8.0	5.0	.0	.5
2	22.0	20.0	21.0	15.5	13.5	14.5	8.5	7.5	8.0	4.0	.0	.5
3	22.0	20.0	21.0	15.5	13.5	14.0	8.5	7.0	7.5	4.0	.0	.5
4	22.0	20.5	21.0	15.0	13.5	14.0	7.5	6.5	7.0	4.0	.0	.5
5	21.5	20.0	20.5	14.0	13.0	13.0	8.0	6.5	7.0	4.5	.0	1.0
6	21.5	20.0	20.5	13.5	12.5	13.0	9.1	6.0	---	3.5	.5	1.0
7	21.0	19.0	20.0	13.5	12.5	13.0	9.5	6.0	6.5	3.5	.5	1.0
8	20.5	18.5	19.0	13.5	12.5	12.5	7.5	6.0	6.5	4.0	.0	1.0
9	20.5	18.0	19.0	13.5	12.5	13.0	8.0	5.5	6.0	3.5	.5	1.0
10	19.5	17.5	18.5	14.0	12.5	13.0	8.0	5.5	6.0	3.0	.0	.5
11	19.5	17.5	18.5	14.0	12.5	13.0	7.5	5.5	6.0	3.5	.0	1.0
12	19.5	17.0	18.0	13.5	12.5	13.0	7.0	5.5	6.0	2.5	.0	.5
13	19.5	17.5	18.0	13.0	12.5	12.5	7.5	4.5	5.5	4.0	.5	1.0
14	20.0	17.5	18.0	13.0	12.5	12.5	7.0	5.0	5.5	5.0	.5	1.0
15	19.5	17.5	18.5	13.0	12.0	12.5	7.5	4.5	5.5	4.0	.0	1.0
16	19.5	17.5	18.5	12.5	12.0	12.0	6.5	5.0	5.5	4.5	.5	1.5
17	19.0	17.5	18.0	12.5	11.5	12.0	7.0	5.0	5.5	4.5	.5	1.5
18	19.0	17.5	18.0	12.0	11.5	11.5	5.5	3.5	4.5	4.0	.5	1.5
19	19.0	17.5	18.0	12.0	11.0	11.5	6.5	2.5	3.5	2.5	.5	1.5
20	19.0	17.5	18.0	12.0	11.0	11.0	6.5	1.0	2.5	3.0	.5	1.0
21	19.0	17.5	18.0	11.5	10.5	11.0	5.0	1.0	1.5	4.5	.5	1.0
22	18.0	17.0	17.5	11.0	10.0	10.5	4.0	1.0	1.5	5.0	.0	1.0
23	18.0	16.5	17.0	10.5	9.5	10.0	4.0	.5	1.0	2.5	.5	1.0
24	18.0	16.5	17.0	10.0	8.5	9.5	5.5	.5	1.0	4.5	.5	1.5
25	18.0	16.5	17.0	10.0	8.5	9.0	3.5	.0	1.0	4.0	1.0	1.5
26	17.5	16.5	17.0	10.0	8.0	9.0	4.0	.0	.5	5.0	.5	1.5
27	17.5	16.5	16.5	10.0	8.5	9.0	2.5	.0	.5	5.0	1.0	1.5
28	17.5	16.0	16.5	10.0	8.5	9.0	2.0	.0	.5	4.5	.5	1.5
29	17.0	15.5	16.0	9.0	8.0	8.5	2.5	.0	.5	3.0	1.0	1.5
30	16.5	15.0	15.5	9.5	7.5	8.5	2.0	.0	.5	3.0	1.5	2.0
31	16.0	14.0	15.0	---	---	---	2.0	.0	.5	4.0	1.5	2.5
MONTH	22.0	14.0	18.5	15.5	7.5	11.5	9.5	.0	---	5.0	.0	1.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	4.5	1.0	2.0	5.0	1.0	2.0	6.5	4.0	5.0	13.0	11.5	12.0
2	5.5	1.0	2.0	4.5	1.0	2.5	6.0	4.5	5.0	13.5	12.0	12.5
3	4.0	1.0	1.5	5.0	1.5	2.5	5.5	4.0	4.5	14.5	12.0	13.0
4	3.5	1.0	1.5	4.5	2.0	2.5	5.5	4.5	5.0	15.0	13.0	13.5
5	4.5	1.0	2.0	3.5	1.5	2.0	7.0	4.5	5.0	15.5	13.5	14.0
6	3.0	1.0	1.5	3.5	1.0	1.5	6.5	5.0	5.5	16.0	13.5	14.0
7	3.0	1.0	1.5	3.5	1.5	2.0	7.0	5.0	5.5	15.5	14.0	14.5
8	3.5	1.0	2.0	4.5	1.5	2.5	6.5	5.0	5.5	16.0	14.0	15.0
9	3.0	1.5	2.0	5.0	1.5	2.5	7.0	4.5	5.5	16.5	14.5	15.0
10	3.5	.5	2.0	5.0	1.0	2.0	7.5	5.0	5.5	17.0	15.0	15.5
11	3.0	.5	1.0	5.5	1.5	2.5	6.5	5.0	6.0	17.5	15.5	16.5
12	4.5	.5	1.5	4.0	1.5	2.5	7.5	5.5	6.5	18.0	16.0	16.5
13	4.5	1.0	2.0	5.5	2.0	3.0	7.5	6.5	7.0	17.0	16.0	16.5
14	4.5	1.0	2.0	5.0	1.5	3.0	7.5	6.5	7.0	17.5	16.0	16.5
15	4.5	1.5	2.0	5.0	1.5	3.0	8.0	6.5	7.0	17.5	16.0	16.5
16	4.5	1.0	1.5	6.0	1.5	3.0	8.5	6.5	7.5	17.0	16.0	16.0
17	5.5	.5	1.5	5.5	2.0	3.0	8.5	7.0	7.5	16.5	15.5	16.0
18	6.0	.5	1.5	5.5	2.0	3.0	9.0	7.0	7.5	16.5	15.5	16.0
19	6.5	.5	2.0	5.5	2.0	3.0	9.5	7.0	8.0	17.0	15.5	16.5
20	5.5	1.0	2.0	6.0	2.5	3.5	10.0	7.5	8.0	17.5	16.0	16.5
21	6.0	.5	2.0	6.5	3.0	3.5	10.5	7.5	8.5	17.0	16.0	16.5
22	6.0	1.0	1.5	6.0	3.0	3.5	10.0	8.0	9.0	17.0	16.5	16.5
23	4.0	1.0	1.5	5.5	3.0	3.5	11.0	8.5	9.5	17.0	16.5	16.5
24	4.5	.5	1.5	5.0	3.0	3.5	10.5	9.0	9.5	19.0	16.5	17.0
25	3.5	1.5	2.0	5.0	3.0	3.5	11.0	9.5	10.0	17.5	16.5	17.0
26	3.5	1.0	2.0	4.5	3.0	3.5	12.0	9.5	10.5	17.5	16.5	17.0
27	4.0	1.0	1.5	4.5	3.0	3.5	11.5	10.0	10.5	18.5	17.0	17.5
28	3.5	1.5	2.0	5.5	3.5	4.0	12.5	10.0	11.0	19.0	17.5	17.5
29	---	---	---	5.0	4.0	4.5	12.5	10.0	11.0	18.5	17.5	18.0
30	---	---	---	6.0	4.0	4.5	12.5	10.5	11.5	19.0	17.0	18.0
31	---	---	---	6.0	4.0	5.0	---	---	---	19.0	17.0	17.5
MONTH	6.5	.5	2.0	6.5	1.0	3.0	12.5	4.0	7.5	19.0	11.5	16.0

HUDSON RIVER BASIN

01374349 HUDSON RIVER AT TOMKINS COVE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[illegible]

0137448595 HUDSON RIVER NEAR CONGERS, NY

LOCATION.--Lat 41°09'46", long 73°55'17", Rockland County, Hydrologic Unit 02030101, on right bank across from Tellers Point and 1.5 mi northeast of Congers. Water-quality sampling site at stage station.

DRAINAGE AREA.--12,805 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--April 1997 to June 2001 (discontinued). Gage height published prior to October 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to May 10, 2000, datum of gage was 9.34 ft below sea level (benchmark and levels by licensed surveyor). Gage-height data for water years 1997-98 need a -9.34 ft correction applied to compute water-surface elevation.

REMARKS.--Satellite gage-height, temperature, and specific conductance telemeter at station. All data are collected, stored, and reported in Eastern Standard Time.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.33 ft, Feb. 24, 1998; minimum, -3.44 ft, Jan. 17, 2000.

EXTREMES FOR CURRENT PERIOD.--October 2000 to June 2001: Maximum elevation, 4.79 ft, Mar. 7; minimum, -3.02 ft, Dec. 13.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	3.15	-.70	1.16	2.99	-.22	1.37	2.74	-.97	.80	---	---	---
2	3.25	-.57	1.32	3.24	.15	1.61	2.17	-.82	.69	---	---	---
3	3.17	-.17	1.47	3.46	.29	1.76	2.09	-.71	.64	---	---	---
4	3.22	-.08	1.36	3.27	.05	1.64	1.99	-.86	.61	---	---	---
5	2.85	-.29	1.23	2.47	-.90	1.06	2.64	-1.41	1.00	---	---	---
6	3.17	-.26	1.58	2.87	-.89	1.23	1.93	-1.57	.06	3.26	-.82	1.09
7	2.96	-.48	1.24	2.97	-.46	1.34	2.44	-1.26	.40	2.78	-1.42	.92
8	2.64	-.72	.91	3.32	-.39	1.65	2.64	-1.67	.80	3.11	-.82	1.11
9	2.76	-.83	.98	3.66	-.51	1.65	2.89	-1.18	.75	3.37	-.78	1.16
10	2.87	-.60	1.15	4.54	.07	2.27	2.87	-1.45	.76	2.28	-1.52	.28
11	1.90	-1.94	.08	3.53	-.52	1.51	3.09	-1.49	.89	3.10	-1.07	.80
12	2.80	-1.54	.66	3.77	-.59	1.52	3.99	-1.23	.96	2.67	-1.40	.63
13	2.67	-1.11	.78	3.77	-.64	1.48	2.31	-3.02	-.35	3.15	-.72	1.07
14	2.81	-1.20	.81	3.95	-.50	1.61	3.74	-.96	.97	2.58	-.87	.83
15	2.96	-1.03	.90	3.10	-1.04	.82	2.46	-2.05	.26	2.45	-.66	.93
16	3.46	-1.00	1.33	2.73	-1.33	.59	3.14	-1.19	1.05	2.81	-.88	1.01
17	3.60	-.38	1.48	2.72	-1.21	.64	4.69	.26	2.31	2.10	-1.19	.51
18	3.70	-.35	1.50	2.37	-1.28	.41	1.97	-1.45	.16	2.15	-1.19	.85
19	2.92	-.64	1.09	2.35	-1.04	.76	2.37	-1.43	.74	2.70	-.71	1.21
20	2.86	-.70	1.09	3.03	-.95	1.20	3.13	-1.72	.74	2.54	-.58	1.19
21	2.89	-.85	1.01	2.25	-1.24	.58	2.01	-1.92	.28	2.34	-1.33	.85
22	2.70	-1.01	.79	1.64	-1.78	-.03	2.69	-1.46	.60	2.51	-1.23	.64
23	3.07	-1.08	1.02	2.10	-2.10	.18	1.80	-2.21	-.04	2.40	-.89	.59
24	3.02	-.85	1.10	2.74	-1.38	.64	2.37	-1.58	.33	2.89	-.53	1.00
25	2.97	-1.04	.94	2.76	-1.36	.74	---	---	---	2.84	-.64	.93
26	3.25	-.85	1.24	4.10	-.63	1.79	---	---	---	2.63	-.92	.76
27	3.39	-.79	1.31	3.42	-.85	1.01	---	---	---	2.89	-.75	1.00
28	3.44	-1.22	1.00	2.65	-1.33	.64	---	---	---	1.80	-1.39	.21
29	2.97	-1.05	.81	2.72	-1.14	.79	---	---	---	2.44	-.47	.88
30	3.01	-1.14	.88	2.46	-1.14	.65	---	---	---	2.79	-.42	1.15
31	3.02	-1.21	1.00	---	---	---	---	---	---	2.46	-.60	.98
MONTH	3.70	-1.94	1.07	4.54	-2.10	1.10	4.69	-3.02	.64	3.37	-1.52	.87

0137448595 HUDSON RIVER NEAR CONGERS, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	2.35	-.37	.81	2.44	-1.14	.67	3.41	-.19	1.72	2.53	-1.06	.86
2	2.57	-.66	1.07	2.64	-.45	1.13	3.63	-.73	1.45	3.12	-.84	1.23
3	1.34	-1.62	-.10	3.21	-.47	1.23	2.96	-.71	1.12	3.01	-1.05	1.10
4	2.26	-1.63	.76	3.25	.01	1.60	2.97	-.93	1.12	3.13	-1.30	.99
5	2.76	-1.01	1.10	4.20	-.34	2.20	3.12	-.99	1.08	3.34	-1.43	1.02
6	2.39	-1.58	.34	---	---	---	3.45	-.91	1.26	3.79	-1.02	1.20
7	2.20	-1.56	.13	4.79	---	---	3.91	-.66	1.46	3.36	-1.23	1.12
8	2.22	-1.88	.25	4.69	.01	2.26	4.20	-.35	1.75	3.26	-1.27	.81
9	2.93	-1.36	.79	4.13	-.33	1.74	4.19	.05	1.93	3.29	-1.00	1.00
10	2.72	-1.90	.30	2.80	-1.49	.65	4.12	.25	1.91	3.29	-.69	1.13
11	.91	-2.81	-.99	2.91	-1.40	.64	3.88	.24	1.80	3.36	-.64	1.14
12	1.53	-2.37	-.29	2.54	-1.71	.24	3.63	.25	1.72	3.20	-.39	1.20
13	2.60	-.98	.79	3.17	-.64	1.26	3.45	.39	1.64	2.48	-.74	.75
14	2.32	-.54	.87	3.36	-1.34	.81	2.81	.25	1.31	2.58	-.42	.97
15	2.88	-.67	.95	2.38	-.94	.59	2.73	.31	1.52	2.47	-.70	.92
16	2.54	-.54	.93	2.61	-.47	.90	3.18	.57	1.78	2.79	-.08	1.55
17	3.31	-2.10	.40	2.68	-.27	1.01	2.84	.17	1.47	3.32	-.20	1.59
18	1.39	-2.38	.00	2.31	-1.10	.44	2.33	-.68	1.05	3.02	-.51	1.37
19	2.27	-1.22	.62	1.90	-1.12	.45	2.34	-1.02	.66	3.06	-.80	1.28
20	2.32	-1.10	.68	2.26	-.85	.75	2.65	-1.16	.76	3.54	-.43	1.53
21	2.52	-1.63	.30	3.44	-.55	1.51	2.76	-1.15	.83	3.56	-.73	1.35
22	2.50	-1.94	.31	3.90	-.30	1.82	2.56	-1.35	.64	3.75	-.72	1.48
23	3.10	-.92	.87	2.73	-.96	.91	3.21	-1.39	.74	3.98	-.53	1.61
24	2.37	-1.84	.28	2.99	-.75	.99	3.27	-.58	1.31	3.60	-.75	1.39
25	2.93	-1.01	1.05	2.70	-1.39	.64	3.29	-.88	.86	3.64	-.67	1.31
26	2.88	-1.51	.61	3.03	-.79	.99	3.61	-.59	1.25	3.64	-.81	1.20
27	2.31	-1.37	.48	2.39	-1.28	.49	3.62	-.29	1.55	3.47	-.43	1.41
28	2.36	-1.35	.50	2.37	-1.35	.47	3.72	-.97	1.07	3.76	-.18	1.58
29	---	---	---	2.47	-1.21	.60	2.72	-.91	.74	3.54	-.24	1.60
30	---	---	---	3.25	-.08	1.62	2.78	-1.09	.65	3.22	-.67	1.19
31	---	---	---	3.23	-.44	1.21	---	---	---	2.75	-1.07	.93
MONTH	3.31	-2.81	.49	4.79	-1.71	1.03	4.20	-1.39	1.27	3.98	-1.43	1.22
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	3.17	-.97	1.16	---	---	---	---	---	---	---	---	---
2	3.93	-.34	1.84	---	---	---	---	---	---	---	---	---
3	3.78	-.38	1.72	---	---	---	---	---	---	---	---	---
4	3.45	-.69	1.39	---	---	---	---	---	---	---	---	---
5	3.43	-.76	1.21	---	---	---	---	---	---	---	---	---
6	3.47	-.77	1.16	---	---	---	---	---	---	---	---	---
7	3.51	-.59	1.20	---	---	---	---	---	---	---	---	---
8	3.38	-.52	1.20	---	---	---	---	---	---	---	---	---
9	3.38	-.50	1.21	---	---	---	---	---	---	---	---	---
10	3.30	-.40	1.26	---	---	---	---	---	---	---	---	---
11	3.12	-.52	1.29	---	---	---	---	---	---	---	---	---
12	3.20	-.44	1.35	---	---	---	---	---	---	---	---	---
13	3.14	-.26	1.31	---	---	---	---	---	---	---	---	---
14	2.76	-.57	1.15	---	---	---	---	---	---	---	---	---
15	2.59	-.68	1.14	---	---	---	---	---	---	---	---	---
16	2.85	-.67	1.25	---	---	---	---	---	---	---	---	---
17	3.09	-.91	1.21	---	---	---	---	---	---	---	---	---
18	2.94	-1.29	.93	---	---	---	---	---	---	---	---	---
19	3.32	-1.25	1.01	---	---	---	---	---	---	---	---	---
20	3.31	-1.11	1.06	---	---	---	---	---	---	---	---	---
21	3.49	-1.17	.97	---	---	---	---	---	---	---	---	---
22	4.13	-.65	1.40	---	---	---	---	---	---	---	---	---
23	4.04	-.60	1.59	---	---	---	---	---	---	---	---	---
24	4.01	-.73	1.34	---	---	---	---	---	---	---	---	---
25	3.62	-.73	1.22	---	---	---	---	---	---	---	---	---
26	3.49	-.59	1.19	---	---	---	---	---	---	---	---	---
27	3.22	-.80	1.16	---	---	---	---	---	---	---	---	---
28	2.87	-.89	1.10	---	---	---	---	---	---	---	---	---
29	3.62	-.54	1.54	---	---	---	---	---	---	---	---	---
30	3.40	-.78	1.47	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	4.13	-1.29	1.27	---	---	---	---	---	---	---	---	---

0137448595 HUDSON RIVER NEAR CONGERS, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1997 to June 2001 (discontinued).

WATER TEMPERATURE: April 1997 to June 2001 (discontinued).

INSTRUMENTATION.--Water-quality monitor provides 15-minute-interval readings.

REMARKS.--Satellite temperature and specific conductance telemeter at station. All data are collected, stored, and reported in Eastern Standard Time.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 18,500 $\mu\text{S}/\text{cm}$, Aug. 28, 29, 1999; minimum, 156 $\mu\text{S}/\text{cm}$, Apr. 26, 2000.

WATER TEMPERATURE: Maximum, 30.0°C, July 6, 1999; minimum, 0.0°C on many days during winter periods, except 1997-98.

EXTREMES FOR CURRENT PERIOD.--October 2000 to June 2001

SPECIFIC CONDUCTANCE: Maximum, 16,200 $\mu\text{S}/\text{cm}$, Nov. 10; minimum, 173 $\mu\text{S}/\text{cm}$, Apr. 28, 30, May 1, 2.

WATER TEMPERATURE: Maximum, 27.0°C, June 29, 30; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6510	3200	4690	6450	3520	4380	5500	2850	4140	3680	2540	2940
2	6230	3050	4230	6720	4220	4960	4030	2440	3220	5150	2770	3550
3	5720	3130	4000	10900	4710	5780	3940	1810	2590	6670	3370	4720
4	6580	2890	3930	9460	5460	6820	5890	1820	2940	6110	4220	4900
5	7880	3190	4030	9840	6720	8280	5870	3160	4250	8570	4660	5470
6	7170	3400	4580	10300	8760	9450	7780	3970	5950	8900	5000	5990
7	7720	4050	5730	11900	8850	9980	7830	6500	6960	8960	5820	7110
8	8010	5780	6580	14900	10400	11600	10400	7200	7820	9660	5770	7280
9	9860	6930	7480	15100	11900	13100	10500	7550	8520	8770	5680	7120
10	10300	8350	8990	16200	13200	14100	11100	7530	8980	7940	4790	6490
11	11100	9340	9980	15000	13400	14000	10900	7800	9100	7860	4700	6410
12	12500	9820	10800	15100	12900	13800	11100	7220	9430	7140	4370	5740
13	12000	9740	10800	15100	12100	13400	9480	5730	7530	6750	4070	5510
14	11700	9520	10600	15000	11900	13400	10100	6630	8410	6300	3530	4920
15	11600	9330	10300	13700	9900	12200	8620	5920	7100	5700	3240	4510
16	11800	8950	10300	13400	9180	11400	9670	5310	7240	5960	3200	4310
17	11800	8990	10100	12300	9130	10900	10200	6140	8320	4780	2610	3580
18	11300	8560	9790	11600	8580	10000	6850	739	2590	5340	2230	3510
19	10000	7370	8840	10900	8030	9540	1080	379	640	5520	2300	3420
20	9760	6370	8040	11000	7630	9420	670	280	403	5590	2080	3080
21	9340	5920	7450	9890	7680	8740	344	279	311	6150	2420	4030
22	7800	5330	6460	9020	6660	7750	354	266	296	7170	3790	4890
23	8400	5360	6690	8650	6210	7530	299	261	278	9440	4530	5840
24	8360	5210	6670	9050	5800	7330	312	258	280	9570	5310	6580
25	7610	4740	6080	8580	5420	6780	321	254	285	9830	5760	7040
26	7860	4650	6130	9540	5420	7090	270	204	242	9170	5650	7010
27	7650	4530	5950	8200	4840	6150	255	205	222	9380	5630	7360
28	7270	4060	5080	7320	4200	5570	262	221	248	7830	5030	6530
29	6440	4200	5400	6990	3860	5050	2170	222	523	8690	5020	6630
30	6160	3600	4740	5550	2850	4130	2520	728	1250	8470	5080	6610
31	6750	3700	4390	---	---	---	3310	1630	2350	7990	4710	6090
MONTH	12500	2890	7060	16200	2850	9090	11100	204	3950	9830	2080	5460

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7800	4180	5660	3360	1010	2040	396	324	345	196	173	181
2	7510	3960	5160	3840	1140	2260	733	312	357	408	173	205
3	6050	3870	4860	4650	929	1830	889	309	414	1300	176	400
4	7880	3860	5580	5570	929	2170	586	314	371	1720	182	533
5	8150	4300	5740	9820	1600	3830	441	302	336	1650	200	526
6	8620	4380	6250	6520	3660	5150	373	293	315	2130	230	725
7	8210	4040	5930	10600	5730	7390	335	292	309	2180	341	989
8	7580	3930	5560	10500	7530	8770	335	290	302	2150	371	973
9	7480	3820	5420	10500	7700	8740	306	284	294	2260	334	965
10	7140	2820	4910	9230	5730	7780	301	276	285	1840	346	853
11	4880	1590	3410	8600	5590	7300	290	263	273	1940	333	913
12	3990	1460	2800	7760	4610	6170	278	261	269	1870	400	973
13	4700	1480	2890	7620	4270	6090	286	269	278	1660	389	898
14	3440	1200	2260	7080	3100	5140	317	269	289	3370	978	1720
15	3130	910	1660	5650	2820	4260	306	246	272	5490	2370	3080
16	2470	702	1290	4780	2370	3330	290	230	253	8950	3620	4990
17	2530	718	1370	3570	1680	2380	274	217	234	10200	4680	6710
18	3560	1050	2060	2720	1320	1580	745	206	285	8800	6340	7610
19	4040	1550	2480	3240	1190	1830	1800	414	955	9460	7750	8310
20	3750	1880	2670	5000	1700	2520	2880	1450	1910	11400	8200	9570
21	4500	1970	2700	4150	2410	2930	3970	1950	2440	11100	9320	10200
22	5000	2310	3230	5680	2950	4250	3970	1920	2630	12400	9510	10800
23	5400	2090	3400	6760	5180	5680	4390	1660	2500	13700	10500	11400
24	4450	1690	2780	6760	4060	4990	4310	919	2000	13300	9670	11100
25	5460	1980	3310	4750	2460	3480	1700	380	726	12300	8740	10200
26	5210	1580	2620	4170	1750	2790	729	252	381	11900	7960	9470
27	3420	1210	2370	3020	1120	1920	590	224	318	11200	7740	9130
28	3310	1080	1990	2450	673	1260	451	173	236	10700	6680	8720
29	---	---	---	1780	496	983	201	176	186	9810	6010	7670
30	---	---	---	1720	392	759	198	173	182	7790	5720	6490
31	---	---	---	547	325	375	---	---	---	7340	4470	5830
MONTH	8620	702	3580	10600	325	3870	4390	173	665	13700	173	4910

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7320	3950	5420	---	---	---	---	---	---	---	---	---
2	6600	3540	5070	---	---	---	---	---	---	---	---	---
3	5510	3080	4250	---	---	---	---	---	---	---	---	---
4	4450	1920	2890	---	---	---	---	---	---	---	---	---
5	3820	988	1990	---	---	---	---	---	---	---	---	---
6	3370	581	1440	---	---	---	---	---	---	---	---	---
7	2860	528	1140	---	---	---	---	---	---	---	---	---
8	2670	416	1030	---	---	---	---	---	---	---	---	---
9	2060	448	955	---	---	---	---	---	---	---	---	---
10	1880	388	893	---	---	---	---	---	---	---	---	---
11	1450	359	808	---	---	---	---	---	---	---	---	---
12	2320	457	1270	---	---	---	---	---	---	---	---	---
13	3580	1040	1930	---	---	---	---	---	---	---	---	---
14	4640	1650	2460	---	---	---	---	---	---	---	---	---
15	5540	2440	3500	---	---	---	---	---	---	---	---	---
16	8240	3700	4460	---	---	---	---	---	---	---	---	---
17	8620	4150	5250	---	---	---	---	---	---	---	---	---
18	8640	5060	6530	---	---	---	---	---	---	---	---	---
19	9810	6750	7520	---	---	---	---	---	---	---	---	---
20	9440	7470	8210	---	---	---	---	---	---	---	---	---
21	9830	6830	7970	---	---	---	---	---	---	---	---	---
22	10100	7190	8520	---	---	---	---	---	---	---	---	---
23	10100	6660	8220	---	---	---	---	---	---	---	---	---
24	9370	5110	6830	---	---	---	---	---	---	---	---	---
25	8050	3990	5620	---	---	---	---	---	---	---	---	---
26	7040	2760	4600	---	---	---	---	---	---	---	---	---
27	5460	2540	3910	---	---	---	---	---	---	---	---	---
28	4930	2180	3180	---	---	---	---	---	---	---	---	---
29	5240	2060	3360	---	---	---	---	---	---	---	---	---
30	4860	1860	3070	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	10100	359	4080	---	---	---	---	---	---	---	---	---

HUDSON RIVER BASIN

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0137448595 HUDSON RIVER NEAR CONGERS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	20.0	19.0	19.5	13.5	12.5	13.0	8.5	7.0	7.5	.0	.0	.0
2	20.5	19.0	19.5	13.5	12.5	13.0	7.5	6.5	7.0	.0	.0	.0
3	20.5	19.5	20.0	14.0	13.0	13.5	6.5	6.0	6.5	.0	.0	.0
4	20.5	19.5	20.0	14.0	13.0	13.5	6.5	6.0	6.0	.5	.0	.0
5	20.0	19.5	19.5	13.5	12.5	13.0	6.5	5.5	6.0	.5	.0	.5
6	20.0	19.0	19.5	12.5	12.0	12.0	6.5	5.5	6.0	.5	.0	.5
7	19.5	18.5	19.0	12.5	11.5	12.0	5.5	5.0	5.5	1.0	.0	.5
8	18.5	18.0	18.5	12.5	11.5	12.0	5.5	4.5	5.0	1.0	.0	.5
9	18.0	16.5	17.0	12.5	12.0	12.5	5.5	4.5	5.0	1.0	.0	.5
10	17.0	16.5	16.5	12.5	12.5	12.5	5.5	4.5	5.0	.5	.0	.5
11	17.5	16.0	16.5	12.5	12.5	12.5	5.5	4.5	5.0	.5	.0	.5
12	17.5	16.0	16.5	12.5	12.0	12.0	5.5	4.5	5.0	.5	.0	.5
13	17.5	16.0	17.0	12.0	11.5	12.0	5.5	4.0	4.5	.5	.0	.5
14	17.5	16.5	17.0	12.5	11.5	12.0	5.0	3.5	4.0	1.0	.0	.5
15	18.0	16.5	17.5	12.0	11.0	11.5	5.0	4.0	4.5	1.0	.5	.5
16	17.5	16.5	17.0	12.0	10.5	11.0	5.0	4.0	4.5	1.5	.5	1.0
17	17.5	16.5	17.0	11.5	11.0	11.0	5.5	4.0	5.0	1.5	1.0	1.0
18	17.5	16.0	17.0	11.5	10.0	11.0	5.5	3.5	4.5	1.5	1.0	1.0
19	17.5	16.5	17.0	11.0	10.0	10.5	4.0	3.5	4.0	1.5	1.0	1.5
20	17.5	16.5	17.0	10.5	9.0	10.0	3.5	2.0	3.0	1.5	1.0	1.5
21	17.5	16.5	17.0	10.5	9.0	9.5	2.5	2.0	2.5	1.0	.5	1.0
22	17.0	16.5	16.5	10.0	8.5	9.5	2.5	1.5	2.0	1.0	.5	.5
23	17.0	15.5	16.0	9.0	7.5	8.5	1.5	.5	1.0	1.0	.5	.5
24	17.0	15.5	16.0	8.5	6.5	7.5	1.0	.5	1.0	1.0	.5	1.0
25	17.0	15.5	16.5	8.0	6.5	7.5	1.0	.0	.0	1.5	1.0	1.0
26	17.0	16.0	16.5	8.0	6.0	7.0	.0	.0	.0	1.5	.5	1.0
27	16.5	16.0	16.5	8.5	7.0	8.0	.0	.0	.0	1.5	.5	1.0
28	16.5	15.5	16.0	8.5	7.5	8.0	.0	.0	.0	1.5	1.0	1.0
29	15.5	13.5	14.5	8.5	7.5	8.0	.0	.0	.0	1.5	1.0	1.0
30	14.5	13.0	14.0	8.5	8.0	8.0	.0	.0	.0	2.0	1.0	1.5
31	13.5	12.5	13.0	---	---	---	.0	.0	.0	2.5	1.5	2.0
MONTH	20.5	12.5	17.0	14.0	6.0	10.5	8.5	.0	3.5	2.5	.0	.5

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

HUDSON RIVER BASIN

0137448595 HUDSON RIVER NEAR CONGERS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[illegible]

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 mi².

PERIOD OF RECORD.--October 1995 to current year.

REVISED RECORDS.--WDR NY-99-1: 1996(P).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 430 ft above sea level, from topographic map.

REMARKS.--Records fair 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, 2,140 ft³/s, Jan. 28, 1996, gage height, 9.82 ft; minimum, 0.07 ft³/s, Aug. 10, 11, 14, 1999, gage height, 1.90 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 19	0830	554	6.79	Mar. 31	2015	897	8.09
Mar. 23	1200	*954	*8.27	June 19	0230	531	6.69

Minimum discharge, 1.9 ft³/s, Sept. 10, gage height, 2.31 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	10	34	45	90	237	842	40	45	44	4.6	3.7
2	15	10	31	44	105	206	727	37	109	34	4.2	3.5
3	13	11	25	45	e120	182	625	33	232	28	3.7	3.6
4	12	11	23	45	e130	172	541	30	299	25	3.4	3.3
5	12	12	20	45	e120	166	479	27	283	27	3.3	5.4
6	12	12	19	45	e110	175	441	24	216	27	3.9	5.2
7	12	12	18	44	100	155	434	23	143	29	3.8	3.8
8	12	12	17	43	e90	156	446	23	85	33	3.5	2.9
9	11	10	17	42	85	153	448	22	55	34	3.7	2.7
10	11	16	18	41	102	151	443	22	35	28	3.2	3.0
11	10	47	16	40	e140	157	424	21	26	23	2.7	5.8
12	9.5	86	18	38	e150	162	411	21	23	21	2.5	5.2
13	8.9	93	e20	36	139	219	375	21	22	19	6.9	4.0
14	8.5	73	22	34	e130	293	339	19	21	17	9.0	8.6
15	8.4	59	27	32	125	340	300	17	20	15	12	13
16	7.8	50	30	34	128	368	251	15	19	13	9.2	12
17	9.2	41	e120	36	142	423	209	14	239	12	6.8	10
18	11	33	413	39	e160	495	183	14	483	11	7.1	8.8
19	16	29	544	41	e150	516	170	15	513	12	7.9	6.9
20	19	27	480	56	e120	500	157	15	428	12	12	7.9
21	17	24	378	e60	e120	503	131	17	352	10	14	24
22	17	21	275	e60	e150	682	122	19	270	9.8	13	32
23	16	19	e220	e58	120	930	113	30	232	9.6	11	34
24	13	18	e140	56	e100	875	107	76	283	8.2	11	29
25	12	17	e110	51	101	769	94	90	298	7.0	10	26
26	11	19	e80	48	168	677	76	90	289	6.9	8.4	25
27	11	30	59	44	210	590	65	121	231	7.4	6.9	24
28	10	40	51	40	234	515	56	124	166	7.3	6.8	21
29	10	38	45	e40	---	456	48	119	110	6.6	5.5	18
30	10	36	42	41	---	544	46	117	68	5.8	4.7	15
31	10	---	48	70	---	845	---	83	---	5.2	4.2	---
TOTAL	371.3	916	3360	1393	3639	12612	9103	1339	5595	547.8	208.9	367.3
MEAN	12.0	30.5	108	44.9	130	407	303	43.2	186	17.7	6.74	12.2
MAX	19	93	544	70	234	930	842	124	513	44	14	34
MIN	7.8	10	16	32	85	151	46	14	19	5.2	2.5	2.7
CFSM	.19	.49	1.75	.72	2.09	6.55	4.89	.70	3.00	.28	.11	.20
IN.	.22	.55	2.01	.83	2.18	7.56	5.45	.80	3.35	.33	.13	.22

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

	1996	1997	1998	1999	2000	2001
MEAN	101	122	141	171	169	243
MAX	277	248	445	342	253	407
(WY)	1997	1996	1997	1996	1996	2001
MIN	12.0	30.5	32.5	44.9	123	148
(WY)	2001	2001	1999	2001	2000	1997

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

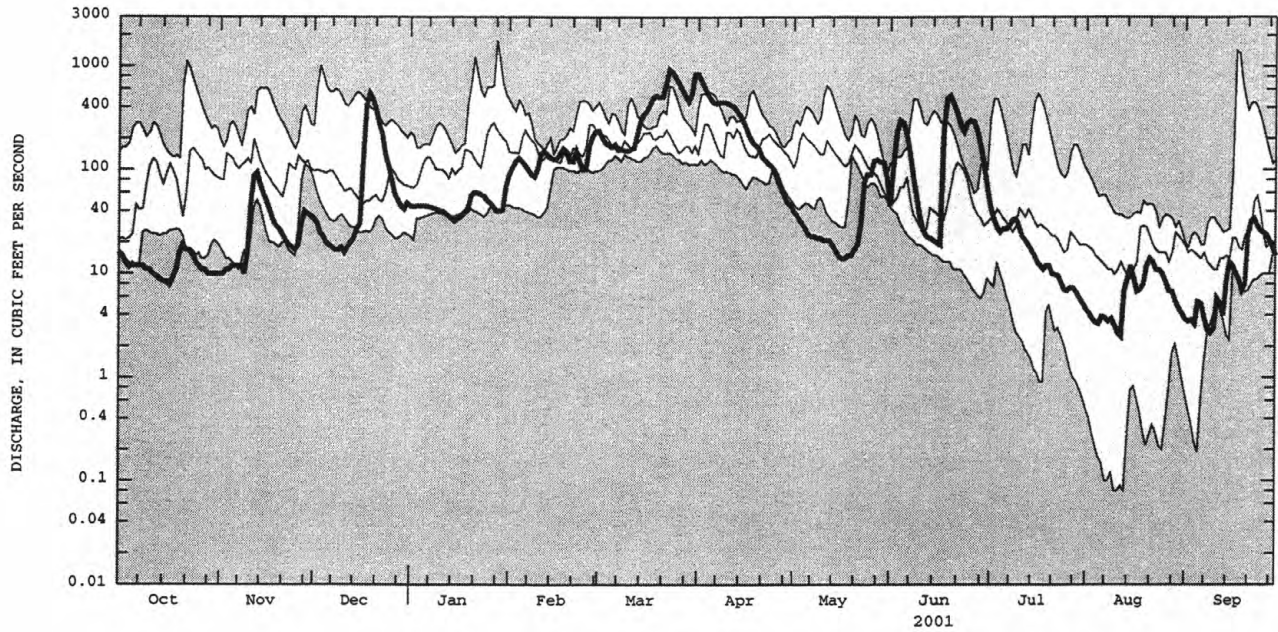
WATER YEARS 1996 - 2001

ANNUAL TOTAL	33282.1	39452.3	
ANNUAL MEAN	90.9	108	128
HIGHEST ANNUAL MEAN			162
LOWEST ANNUAL MEAN			104
HIGHEST DAILY MEAN	544	930	1760
LOWEST DAILY MEAN	7.8	2.5	.08
ANNUAL SEVEN-DAY MINIMUM	8.9	3.3	.09
ANNUAL RUNOFF (CFSM)	1.46	1.74	2.06
ANNUAL RUNOFF (INCHES)	19.94	23.63	28.01
10 PERCENT EXCEEDS	223	358	292
50 PERCENT EXCEEDS	48	34	86
90 PERCENT EXCEEDS	12	6.9	11

e Estimated

HUDSON RIVER BASIN

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

219

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 mi².

PERIOD OF RECORD.--March 1994 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 330 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by East Branch Reservoir. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,320 ft³/s, Jan. 29, 1996, gage height, 6.21 ft; minimum, 41 ft³/s, Jan. 12, 13, 1999, gage height, 3.02 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 885 ft³/s, Mar. 23, gage height, 5.50 ft; minimum, 48 ft³/s, Dec. 12, gage height, 3.11 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	52	52	53	57	192	760	72	61	102	58	56
2	54	52	52	53	57	190	670	70	95	83	58	56
3	54	52	52	53	57	177	558	67	166	72	58	56
4	55	52	52	53	57	174	470	64	218	68	58	56
5	55	52	52	52	56	184	408	63	230	69	57	56
6	54	52	50	52	57	175	372	63	210	68	57	56
7	53	52	49	52	58	166	356	62	172	68	57	56
8	52	52	49	52	58	160	362	62	134	68	57	56
9	52	51	50	52	58	167	364	61	103	68	57	56
10	52	55	50	52	62	166	379	60	82	67	57	64
11	52	54	50	52	61	162	348	59	69	67	57	57
12	52	52	49	52	61	162	349	58	65	66	58	56
13	52	52	50	53	62	227	322	58	65	66	64	56
14	52	52	52	53	63	259	289	58	65	65	57	61
15	52	52	50	53	65	275	261	57	65	65	57	57
16	52	52	50	53	67	303	230	56	65	64	57	56
17	52	51	80	53	68	365	202	56	344	64	57	57
18	53	52	58	53	68	394	180	56	419	63	57	57
19	52	52	54	56	68	412	163	55	408	62	57	57
20	52	52	53	55	70	414	157	55	386	62	66	60
21	51	51	53	55	88	429	147	55	358	62	58	65
22	51	52	53	55	103	660	141	57	288	61	57	60
23	51	52	53	54	120	852	133	58	266	60	58	59
24	52	52	53	53	119	839	129	57	316	60	57	59
25	52	51	53	53	134	711	115	58	267	60	57	65
26	52	53	53	54	172	605	107	62	250	60	57	61
27	52	51	53	53	187	517	97	61	223	59	57	60
28	52	52	52	54	195	444	89	60	189	59	57	60
29	52	52	52	54	---	391	81	60	154	59	56	60
30	52	52	53	58	---	562	76	61	122	58	56	60
31	52	---	52	58	---	683	---	61	---	58	56	---
TOTAL	1625	1561	1634	1658	2348	11417	8315	1862	5855	2033	1787	1751
MEAN	52.4	52.0	52.7	53.5	83.9	368	277	60.1	195	65.6	57.6	58.4
MAX	55	55	80	58	195	852	760	72	419	102	66	65
MIN	51	51	49	52	56	160	76	55	61	58	56	56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

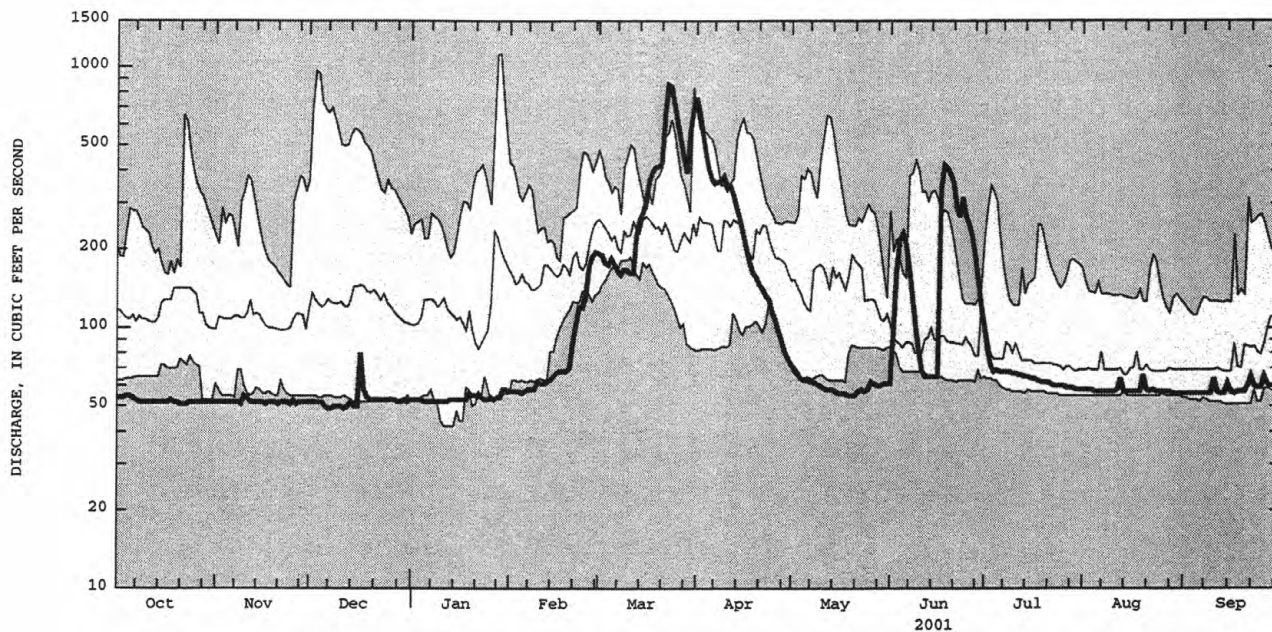
	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	122	114	166	140	170	265	241	157
MAX	221	238	510	264	281	368	366	261
(WY)	1997	1997	1997	1995	1996	2001	1994	1998
MIN	52.4	52.0	52.7	53.5	83.9	178	113	60.1
(WY)	2001	2001	2001	2001	2001	1995	1995	2001

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1994 - 2001

	2000	2001	1994-2001
ANNUAL TOTAL	42401	41846	
ANNUAL MEAN	116	115	145
HIGHEST ANNUAL MEAN			198
LOWEST ANNUAL MEAN			114
HIGHEST DAILY MEAN	476	852	1120
LOWEST DAILY MEAN	49	49	42
ANNUAL SEVEN-DAY MINIMUM	50	50	43
10 PERCENT EXCEEDS	244	288	280
50 PERCENT EXCEEDS	65	58	108
90 PERCENT EXCEEDS	52	52	56

HUDSON RIVER BASIN

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.

HUDSON RIVER BASIN

221

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 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, those less than 10 ft³/s, and those greater than 300 ft³/s, which are poor. Records include flow over spillway equal to or greater than 10 ft³/s and flow through release structure. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft³/s, Jan. 27, 1996, gage height, 6.17 ft, from rating curve extended above 380 ft³/s; minimum daily discharge, 52 ft³/s, Jan. 9, 1999; minimum instantaneous discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160 ft³/s, Mar. 22, gage height, 4.96 ft, from rating curve extended above 380 ft³/s; minimum daily discharge, 63 ft³/s, Nov. 1, Nov. 26-Dec. 17; minimum instantaneous discharge not determined.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	63	63	64	65	139	e740	65	e65	111	65	65
2	64	64	63	65	65	135	e610	65	e65	97	65	65
3	65	64	63	64	65	123	e480	65	e115	90	65	65
4	64	64	63	65	65	120	e390	65	e115	92	65	65
5	65	64	63	64	84	138	e330	80	e115	101	65	65
6	64	64	63	64	85	130	e300	65	e110	90	65	65
7	64	64	63	64	79	120	e280	65	e110	81	65	65
8	64	64	63	64	65	120	e280	65	e105	83	65	65
9	64	64	63	64	65	135	e290	65	e100	81	65	65
10	64	64	63	64	82	130	e300	65	e95	80	65	65
11	64	64	63	64	81	124	e260	65	e85	81	65	65
12	64	64	63	65	79	123	e270	65	e65	79	65	65
13	64	64	63	65	79	201	e240	65	65	65	65	65
14	64	64	63	65	79	214	205	65	65	65	65	65
15	64	64	63	65	80	213	186	65	65	65	65	65
16	64	64	63	65	82	234	165	65	65	65	66	65
17	64	64	63	65	86	e310	145	65	e420	65	65	65
18	64	64	64	65	81	e320	109	65	e360	65	65	65
19	64	64	64	65	80	e320	107	65	e290	65	65	65
20	64	64	64	65	80	e330	110	65	e280	65	65	65
21	64	64	64	65	83	e370	112	65	e280	65	65	65
22	64	64	64	65	87	e800	112	65	e220	65	65	64
23	64	64	64	65	94	e1000	105	65	e250	65	65	65
24	64	64	64	65	92	e900	105	65	e340	65	65	65
25	64	64	64	65	107	e660	88	65	e250	65	65	97
26	64	63	64	65	135	e520	88	81	214	65	65	87
27	64	63	64	65	140	e420	87	e90	187	65	65	80
28	64	63	64	65	147	e350	84	e90	157	65	65	65
29	64	63	64	65	---	e300	65	e85	132	65	65	65
30	64	63	64	65	---	e670	65	e90	116	65	65	65
31	64	---	64	65	---	e690	---	e85	---	65	65	---
TOTAL	1987	1914	1967	2006	2412	10359	6708	2161	4901	2301	2016	2018
MEAN	64.1	63.8	63.5	64.7	86.1	334	224	69.7	163	74.2	65.0	67.3
MAX	65	64	64	65	147	1000	740	90	420	111	66	97
MIN	64	63	63	64	65	120	65	65	65	65	65	64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	107	93.3	165	158	139	215	176	144
MAX	217	171	524	327	235	334	274	285
(WY)	1997	1997	1997	1996	1996	2001	1997	1998
MIN	64.1	63.8	63.5	64.7	86.1	143	95.7	69.7
(WY)	2001	2001	2001	2001	2001	1995	1995	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

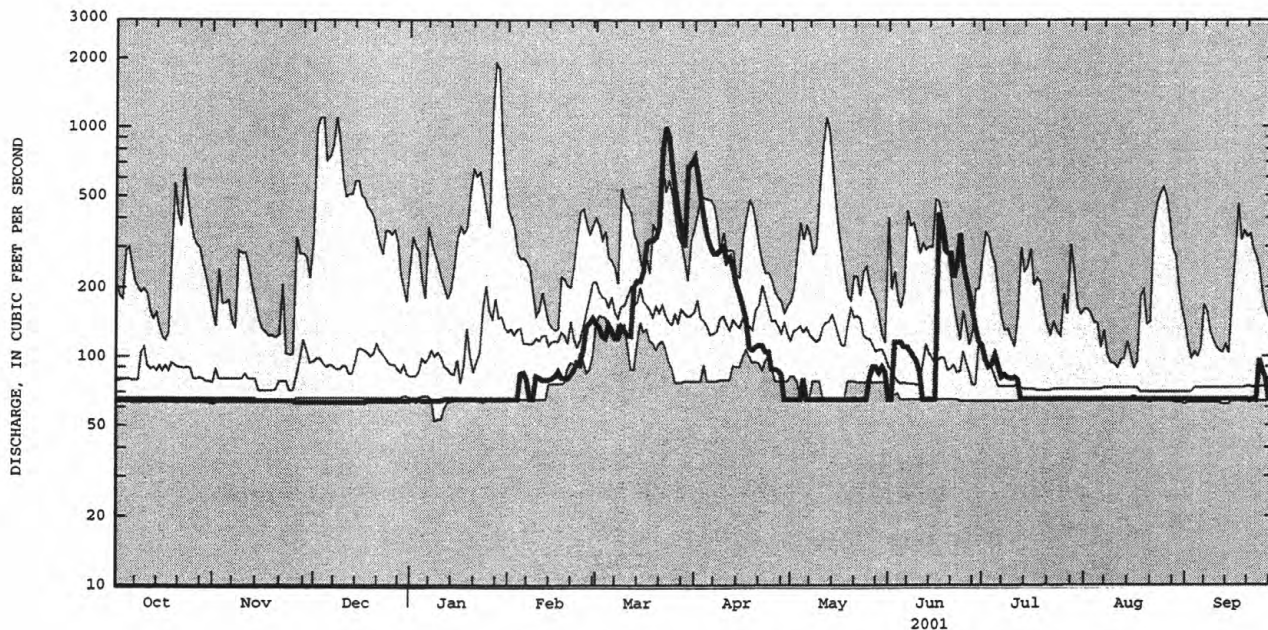
WATER YEARS 1994 - 2001

ANNUAL TOTAL	39628	40750	
ANNUAL MEAN	108	112	132
HIGHEST ANNUAL MEAN			174
LOWEST ANNUAL MEAN			109
HIGHEST DAILY MEAN	430	1000	1900
LOWEST DAILY MEAN	63	63	52
ANNUAL SEVEN-DAY MINIMUM	63	63	58
10 PERCENT EXCEEDS	210	236	250
50 PERCENT EXCEEDS	65	65	87
90 PERCENT EXCEEDS	64	64	64

e Estimated

HUDSON RIVER BASIN

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 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those below 1.0 ft³/s, those above 100 ft³/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 ft³/s, Sept. 17, 1999, gage height, 4.88 ft, from rating curve extended above 520 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	0715	176	2.80	Mar. 30	2030	*253	*3.08
Mar. 22	2300	158	2.72	June 3	0945	152	2.69

Minimum, no flow part of each day Sept. 13-14, 19-20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	2.0	9.8	e12	24	26	139	8.2	3.7	2.8	.52	.55
2	1.5	2.1	8.4	e12	24	24	104	7.9	45	2.5	.49	.41
3	1.4	1.8	6.8	e12	23	23	87	7.4	136	1.8	.88	.41
4	1.3	1.8	5.5	e12	e19	23	77	6.7	85	1.5	.84	.41
5	1.4	1.6	4.8	e11	e19	26	73	5.9	49	1.9	.61	.39
6	1.7	1.5	4.4	12	e20	28	74	4.9	32	1.5	.54	.18
7	1.5	1.5	3.9	11	24	29	75	3.9	22	1.2	.51	.09
8	1.4	1.5	3.7	11	19	25	76	3.5	17	1.9	.49	.07
9	1.3	1.5	3.7	11	18	24	75	3.3	13	1.9	.46	.04
10	1.3	5.2	3.4	11	21	24	83	3.2	10	1.4	.45	.03
11	1.3	8.7	3.5	9.8	26	23	71	2.9	8.6	1.4	.47	.03
12	1.3	7.6	4.8	9.2	e23	22	61	2.7	9.6	1.2	.49	.01
13	1.3	5.7	5.1	8.6	e22	33	54	2.7	8.4	.90	.66	.01
14	1.3	5.1	7.4	8.2	21	44	45	2.5	7.1	.84	.52	.09
15	1.3	6.1	9.2	8.4	22	42	38	2.1	6.0	.78	.47	.04
16	1.4	e5.2	9.1	9.1	23	44	33	1.9	4.5	.69	.47	.03
17	1.5	e4.8	56	9.5	25	55	29	1.8	24	.79	.76	.02
18	3.3	5.3	153	9.4	23	59	27	2.0	31	.75	.60	.01
19	4.7	4.7	88	11	21	56	23	2.0	18	.66	.48	.01
20	3.9	4.4	56	16	19	58	21	1.7	9.5	.61	.48	.31
21	3.1	4.2	41	17	20	65	20	1.6	8.0	.57	.47	2.2
22	2.5	e4.0	34	e14	19	121	21	3.5	7.0	.59	.44	.88
23	2.5	e3.8	28	e12	19	144	19	9.5	12	.58	.58	.41
24	2.1	3.6	24	e10	18	132	17	18	43	.59	.61	.27
25	1.8	3.1	20	9.7	20	104	15	13	34	.55	.44	3.2
26	1.9	5.6	16	8.9	29	83	13	9.3	18	.80	.44	1.5
27	1.8	10	14	8.7	32	65	11	13	10	.66	.46	.65
28	1.8	11	13	8.3	30	54	11	19	6.5	.59	.48	.44
29	2.1	9.0	12	e8.0	---	50	10	14	4.5	.57	.46	.33
30	2.0	9.7	e15	11	---	137	8.6	8.7	3.2	.53	.43	.25
31	1.9	---	e13	20	---	201	---	5.4	---	.52	.45	---
TOTAL	59.2	142.1	676.5	341.8	623	1844	1410.6	192.2	685.6	33.57	16.45	13.27
MEAN	1.91	4.74	21.8	11.0	22.2	59.5	47.0	6.20	22.9	1.08	.53	.44
MAX	4.7	11	153	20	32	201	139	19	136	2.8	.88	3.2
MIN	1.3	1.5	3.4	8.0	18	22	8.6	1.6	3.2	.52	.43	.01
CFSM	.17	.43	1.98	1.00	2.02	5.41	4.27	.56	2.08	.10	.05	.04
IN.	.20	.48	2.29	1.16	2.11	6.24	4.77	.65	2.32	.11	.06	.04

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

	MEAN	17.5	23.9	25.9	27.0	26.2	38.1	35.8	22.1	15.0	7.57	2.24	11.9
MAX	39.5	52.0	64.4	59.2	40.8	59.5	51.2	38.0	31.1	27.4	5.28	52.6	
(WY)	1997	1996	1997	1996	1996	2001	1997	1998	2000	1996	1996	1999	
MIN	1.91	4.74	7.54	11.0	19.6	24.1	13.3	6.20	2.53	.68	.018	.19	
(WY)	2001	2001	1999	2001	1997	1997	1999	2001	1999	1999	1999	1997	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

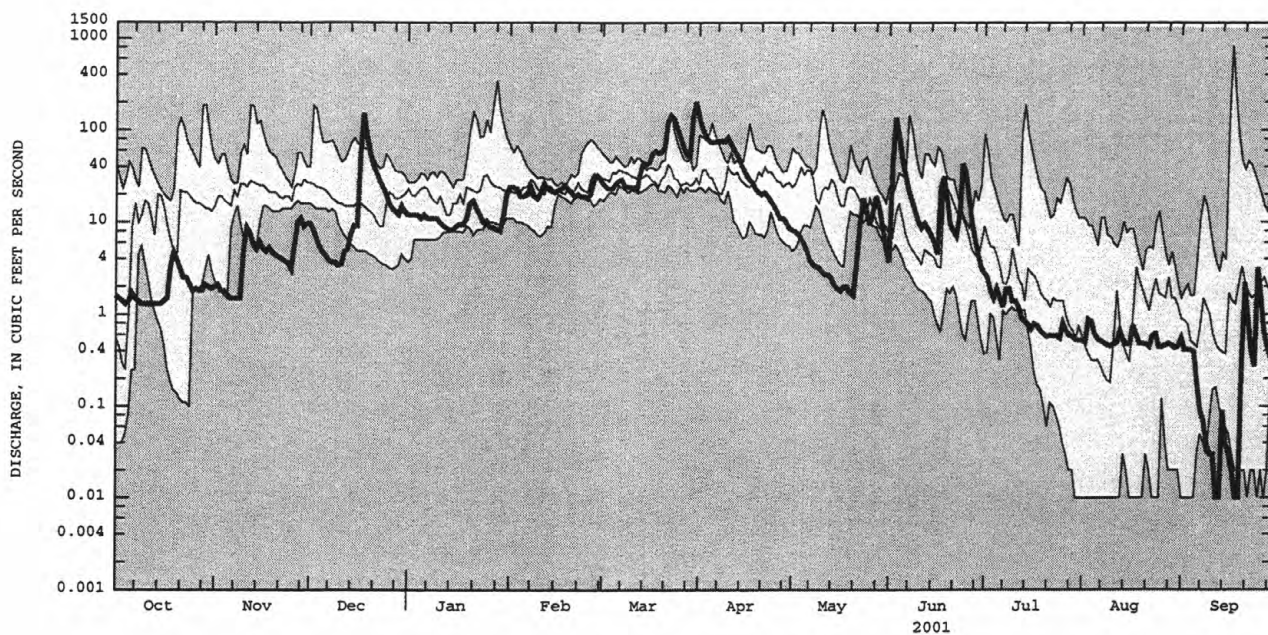
WATER YEARS 1996 - 2001

ANNUAL TOTAL	6159.0	6038.29	
ANNUAL MEAN	16.8	16.5	21.1
HIGHEST ANNUAL MEAN			30.4
LOWEST ANNUAL MEAN			16.5
HIGHEST DAILY MEAN	153	201	823
LOWEST DAILY MEAN	1.3	.01	.01
ANNUAL SEVEN-DAY MINIMUM	1.3	.03	.01
ANNUAL RUNOFF (CFSM)	1.53	1.50	1.92
ANNUAL RUNOFF (INCHES)	20.83	20.42	26.03
10 PERCENT EXCEEDS	37	45	45
50 PERCENT EXCEEDS	10	6.7	15
90 PERCENT EXCEEDS	1.5	.47	.51

e Estimated

HUDSON RIVER BASIN

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those below 1.0 ft³/s, those above 40 ft³/s, and those for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,070 ft³/s, Sept. 16, 1999, gage height, 4.61 ft, from rating curve extended above 100 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1330	82	2.32	Mar. 30	1215	*99	*2.44
Mar. 22	1730	64	2.17				

Minimum discharge, 0.02 ft³/s, Sept. 6, 7, 8, 9, 10; minimum gage height, 0.33 ft, Sept. 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.88	.76	2.9	e6.0	7.7	e9.0	42	3.1	1.8	2.7	.39	.23
2	.87	.77	e2.2	e5.0	7.8	7.9	35	2.9	22	2.5	.37	.10
3	.87	.81	e1.9	e4.6	e7.6	7.9	29	2.7	19	2.0	.37	.08
4	.85	.81	e1.6	e4.4	e7.0	7.8	25	2.4	13	2.0	.44	.07
5	.83	.80	e1.4	4.6	6.7	7.9	23	2.2	10	2.3	.43	.05
6	1.2	.77	e1.3	e4.2	11	8.5	23	2.0	8.7	1.8	.37	.03
7	1.0	.76	e1.3	e4.0	7.7	8.2	22	1.8	7.7	1.6	.34	.03
8	.92	.76	e1.3	4.3	e7.4	e8.0	23	1.7	6.2	2.4	.29	.02
9	.86	.79	e1.5	4.4	6.9	7.3	20	1.7	4.8	2.1	.24	.02
10	.83	4.7	e1.6	4.0	11	7.3	21	1.5	3.6	1.5	.20	.10
11	.85	7.8	e2.0	3.7	e10	7.1	17	1.3	3.5	1.5	.23	.13
12	.86	3.0	e2.5	3.4	e9.0	6.6	18	1.4	3.8	1.3	.25	.05
13	.84	2.0	2.7	3.2	e8.0	15	16	1.3	3.4	1.2	.39	.03
14	.89	2.3	5.1	3.1	7.9	13	13	1.2	2.9	1.1	.43	.48
15	.87	2.7	4.9	e3.2	8.4	13	12	1.2	2.6	1.0	.31	.34
16	.88	1.9	3.8	3.7	8.4	16	10	1.2	2.3	.95	.24	.20
17	.99	1.7	43	e3.6	9.6	23	9.6	1.2	19	.96	.48	.14
18	2.2	1.5	29	3.5	e9.0	22	8.7	1.3	6.4	.94	.54	.12
19	2.4	1.5	20	e4.0	e8.0	22	8.0	1.3	3.4	.85	.38	.10
20	1.1	1.5	17	5.9	7.4	24	7.4	1.2	4.7	.80	.32	.73
21	.91	1.6	e15	e5.8	7.7	27	7.2	1.1	6.2	.78	.27	3.5
22	.86	e1.4	13	e5.0	e7.6	56	7.4	2.5	4.0	.73	.23	.65
23	1.1	e1.3	e11	e4.0	e7.2	50	6.2	7.5	12	.64	.27	.45
24	1.1	e1.2	e9.0	e3.7	e7.0	44	5.7	5.1	16	.59	.34	.43
25	.81	1.3	e8.0	e3.5	8.9	37	5.2	2.6	8.5	.56	.22	3.9
26	.76	3.5	e7.0	e3.0	12	30	4.7	3.1	6.5	.67	.16	1.0
27	.76	4.4	e6.2	e3.0	10	24	4.3	6.7	5.1	.65	.14	.59
28	.77	2.9	e5.6	e2.8	9.9	21	3.8	11	4.1	.55	.14	.50
29	.72	2.4	e5.2	e2.6	---	19	3.4	3.8	3.3	.51	.15	.46
30	.74	3.1	5.2	8.7	---	67	3.3	2.6	2.7	.49	.10	.43
31	.76	---	e7.0	10	---	52	---	2.0	---	.43	.12	---
TOTAL	30.28	60.73	239.2	134.9	236.8	668.5	433.9	82.6	217.2	38.10	9.15	14.96
MEAN	.98	2.02	7.72	4.35	8.46	21.6	14.5	2.66	7.24	1.23	.30	.50
MAX	2.4	7.8	43	10	12	67	42	11	22	2.7	.54	3.9
MIN	.72	.76	1.3	2.6	6.7	6.6	3.3	1.1	1.8	.43	.10	.02
CFSM	.25	.51	1.96	1.10	2.15	5.47	3.67	.68	1.84	.31	.07	.13
IN.	.29	.57	2.26	1.27	2.24	6.31	4.10	.78	2.05	.36	.09	.14

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

	1996	1997	1998	1999	2000	2001
MEAN	6.08	5.92	9.73	10.1	9.57	15.4
MAX	16.5	12.0	24.4	20.0	13.0	21.6
(WY)	1997	1998	1999	2000	2001	1997
MIN	.86	2.02	2.58	4.35	6.94	12.0
(WY)	1998	2001	1999	2001	1997	1999

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

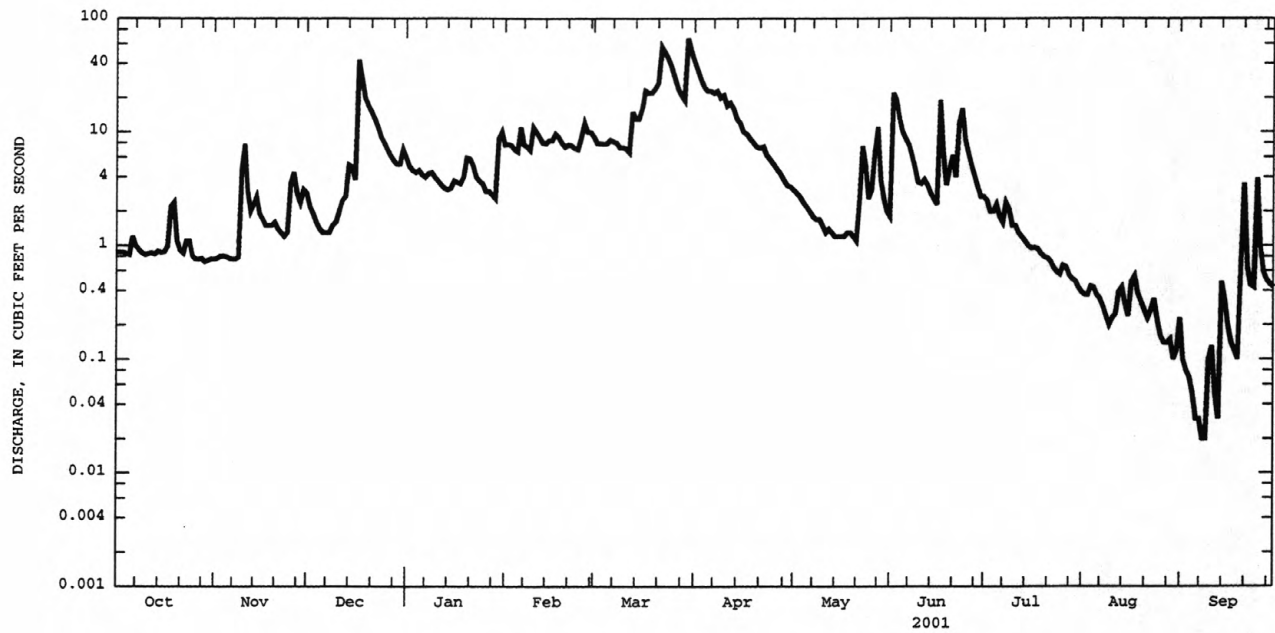
WATER YEARS 1996 - 2001

ANNUAL TOTAL	2302.96	2166.32	
ANNUAL MEAN	6.29	5.94	7.46
HIGHEST ANNUAL MEAN			9.22
LOWEST ANNUAL MEAN			5.94
HIGHEST DAILY MEAN	46	67	224
LOWEST DAILY MEAN	.58	.02	.00
ANNUAL SEVEN-DAY MINIMUM	.61	.04	.00
ANNUAL RUNOFF (CFSM)	1.60	1.51	1.89
ANNUAL RUNOFF (INCHES)	21.74	20.45	25.73
10 PERCENT EXCEEDS	14	16	16
50 PERCENT EXCEEDS	4.3	2.7	5.1
90 PERCENT EXCEEDS	.85	.34	.45

e Estimated

HUDSON RIVER BASIN

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



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

HUDSON RIVER BASIN

227

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 mi².

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 sea level, 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 ft³/s, June 16, 1998, gage height, 3.27 ft; minimum daily, about 0.30 ft³/s, Feb. 8, 1998; minimum instantaneous discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 72 ft³/s, July 2, gage height, 1.80 ft; minimum daily, 15 ft³/s, Mar. 20 to Apr. 2; minimum instantaneous discharge not determined; minimum gage height, 0.43 ft, Jan. 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	31	22	33	27	22	15	29	35	46	30	29
2	30	31	27	33	27	22	15	29	36	58	30	30
3	29	31	27	33	27	22	26	29	38	57	30	30
4	28	31	26	33	28	22	40	29	37	55	30	30
5	28	31	27	33	28	22	38	29	32	55	30	30
6	28	31	25	33	27	22	37	29	30	41	30	30
7	28	31	24	33	28	28	37	29	28	25	30	30
8	28	31	24	34	29	31	37	29	26	25	30	30
9	28	31	25	34	30	31	37	29	26	25	29	30
10	28	31	25	34	31	31	29	29	26	27	29	31
11	28	31	24	33	32	31	26	29	26	31	29	33
12	28	31	24	33	32	31	26	29	27	30	29	34
13	28	31	24	33	32	27	26	29	27	30	29	34
14	28	31	24	33	33	23	27	29	27	30	29	35
15	28	31	24	33	33	23	28	29	26	30	29	35
16	28	31	24	33	33	23	28	29	26	30	29	34
17	26	31	24	33	33	23	28	30	28	31	28	34
18	24	31	24	33	33	23	28	31	30	37	28	34
19	24	30	23	33	32	19	28	31	30	37	28	35
20	27	30	20	33	32	15	28	31	30	37	28	36
21	30	30	26	33	32	15	28	32	28	37	28	40
22	30	30	38	33	33	15	28	32	27	37	28	41
23	29	30	38	33	33	15	28	34	26	34	28	42
24	26	30	38	27	33	15	29	35	27	31	28	42
25	24	30	38	28	33	15	29	35	28	30	29	38
26	28	30	38	28	26	15	29	35	26	31	29	32
27	32	30	37	27	22	15	29	34	24	30	29	32
28	32	30	37	28	22	15	29	34	24	30	29	32
29	31	29	35	27	---	15	29	33	25	30	29	31
30	31	27	33	27	---	15	29	32	27	30	29	31
31	31	---	33	27	---	15	---	34	---	30	29	---
TOTAL	878	914	878	981	841	656	871	957	853	1087	899	1005
MEAN	28.3	30.5	28.3	31.6	30.0	21.2	29.0	30.9	28.4	35.1	29.0	33.5
MAX	32	31	38	34	33	31	40	35	38	58	30	42
MIN	24	27	20	27	22	15	15	29	24	25	28	29

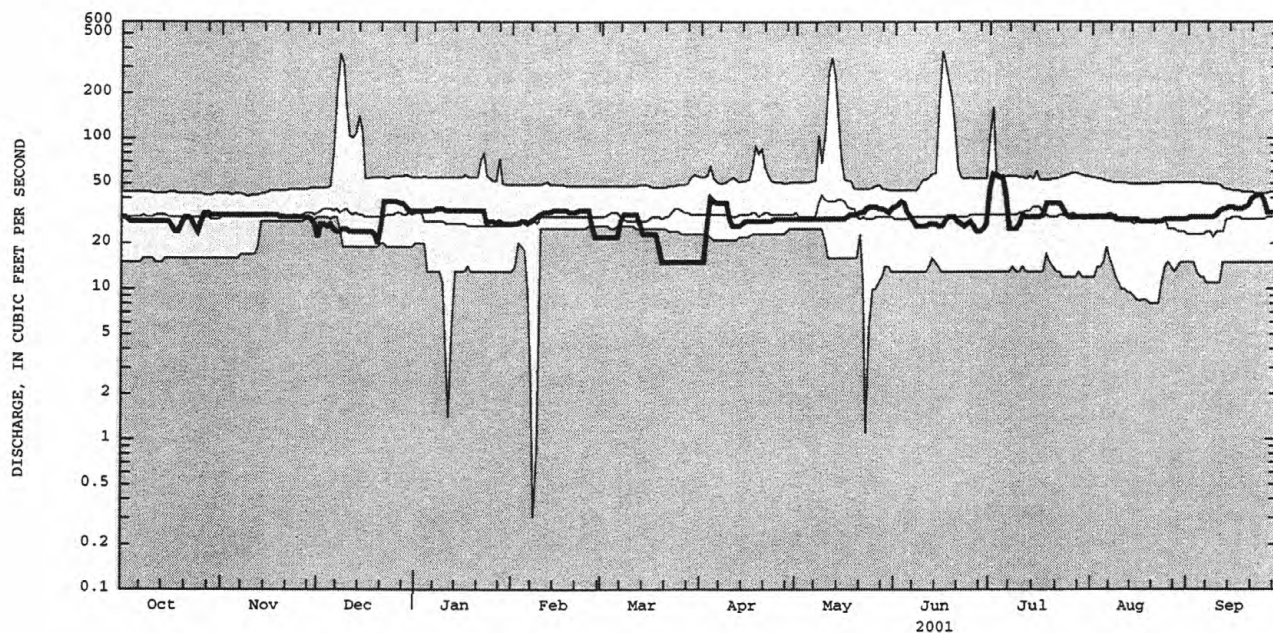
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

	MEAN	29.6	31.6	38.8	29.7	31.7	31.3	34.9	37.5	36.1	34.0	28.8	27.6
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	1994
MIN	15.7	24.1	22.3	15.1	25.4	21.2	22.5	24.9	13.2	13.0	11.9	15.0	
(WY)	1996	1996	1998	1999	1997	2001	1996	1999	1995	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1994 - 2001
ANNUAL TOTAL	11166	10820	
ANNUAL MEAN	30.5	29.6	31.4
HIGHEST ANNUAL MEAN			38.4
LOWEST ANNUAL MEAN			26.6
HIGHEST DAILY MEAN	42	May 9	58
LOWEST DAILY MEAN	20	Dec 20	15
ANNUAL SEVEN-DAY MINIMUM	23	Apr 12	15
10 PERCENT EXCEEDS	35		35
50 PERCENT EXCEEDS	30		30
90 PERCENT EXCEEDS	25		24

HUDSON RIVER BASIN

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.

HUDSON RIVER BASIN

229

01374654 MIDDLE BRANCH CROTON RIVER NEAR CARMEL, NY
(National water-quality assessment program station)

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1995 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 490 ft above sea level, 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 ft³/s, Sept. 17, 1999, gage height, 5.97 ft; minimum discharge, 1.0 ft³/s, Sept. 14, 15, 2000; minimum gage height, 1.39 ft, part or all of each day Sept. 1-3, 5-14, 17, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 164 ft³/s, Oct. 13, gage height, 3.56 ft; minimum discharge, 1.1 ft³/s, part or all of each day Oct. 10, 12, Sept. 1-3, 5-14, 17; minimum gage height, 1.39 ft, part or all of each day Sept. 1-3, 5-14, 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	2.8	11	12	21	34	140	12	10	12	2.3	1.3
2	1.6	2.8	19	e12	21	25	118	12	34	10	2.2	1.1
3	1.5	2.8	19	e20	21	4.7	103	11	60	8.2	2.1	1.2
4	1.4	2.7	12	21	21	4.7	91	10	74	7.9	2.0	1.2
5	1.3	2.5	4.4	21	22	6.0	81	9.7	54	9.2	1.9	1.2
6	1.8	2.5	e4.2	21	21	31	74	8.2	35	7.9	1.8	1.2
7	1.6	2.5	e4.2	21	21	48	73	7.5	32	7.0	1.7	1.2
8	1.4	2.6	e3.7	13	21	48	77	7.1	26	8.7	1.7	1.2
9	1.3	2.6	e3.3	4.0	21	38	72	6.9	18	9.2	1.7	1.2
10	1.2	4.2	e3.7	e4.2	22	32	73	6.8	15	8.2	1.8	2.2
11	1.3	3.9	e3.5	e10	21	32	69	6.4	13	8.3	1.8	1.3
12	51	2.7	3.6	22	21	32	66	6.3	14	6.9	1.8	1.1
13	93	30	e4.0	22	21	36	62	5.8	13	5.7	3.0	1.1
14	33	29	4.9	22	21	34	55	4.8	12	5.1	2.0	2.7
15	33	14	4.0	17	21	34	49	4.5	11	4.6	1.9	1.3
16	37	3.4	4.2	6.2	22	35	47	4.1	9.7	4.0	1.8	1.2
17	2.9	3.3	61	13	22	37	22	4.0	70	3.8	2.1	13
18	6.4	3.2	80	13	21	36	12	4.1	56	3.5	1.9	40
19	12	3.2	75	14	21	49	20	4.2	34	3.1	1.8	40
20	9.4	3.2	71	14	22	78	23	4.1	28	2.9	1.7	43
21	2.6	3.1	66	14	22	96	24	3.9	31	2.7	1.6	29
22	2.7	3.1	48	13	22	104	25	5.8	23	2.6	1.4	3.0
23	2.8	e3.1	31	13	21	102	22	11	40	2.5	1.6	2.7
24	2.8	e3.1	31	13	21	97	21	16	68	2.5	1.3	32
25	2.8	e3.1	31	13	23	94	19	16	51	2.4	1.2	29
26	2.7	e3.5	24	13	43	92	17	15	39	2.5	1.2	17
27	2.8	18	e4.2	13	52	87	16	18	27	2.3	1.3	3.0
28	2.7	3.6	e3.8	13	46	79	15	27	20	2.3	1.3	2.8
29	2.8	3.5	e10	13	---	77	13	23	17	2.3	1.3	2.8
30	2.8	3.6	e52	16	---	95	13	17	14	2.3	1.3	2.8
31	2.8	---	76	21	---	145	---	13	---	2.3	1.3	---
TOTAL	324.0	171.6	772.7	457.4	675	1742.4	1512	305.2	948.7	162.9	53.8	281.8
MEAN	10.5	5.72	24.9	14.8	24.1	56.2	50.4	9.85	31.6	5.25	1.74	9.39
MAX	93	30	80	22	52	145	140	27	74	12	3.0	43
MIN	1.2	2.5	3.3	4.0	21	4.7	12	3.9	9.7	2.3	1.2	1.1

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

	1996	1997	1998	1999	2000	2001
MEAN	23.8	17.8	32.7	36.3	33.8	44.2
MAX	56.7	37.3	87.3	77.8	49.7	56.2
(WY)	1997	1997	1997	1996	1996	1998
MIN	7.34	5.39	9.18	14.8	24.1	37.8
(WY)	1998	1999	1999	2001	2001	1997

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

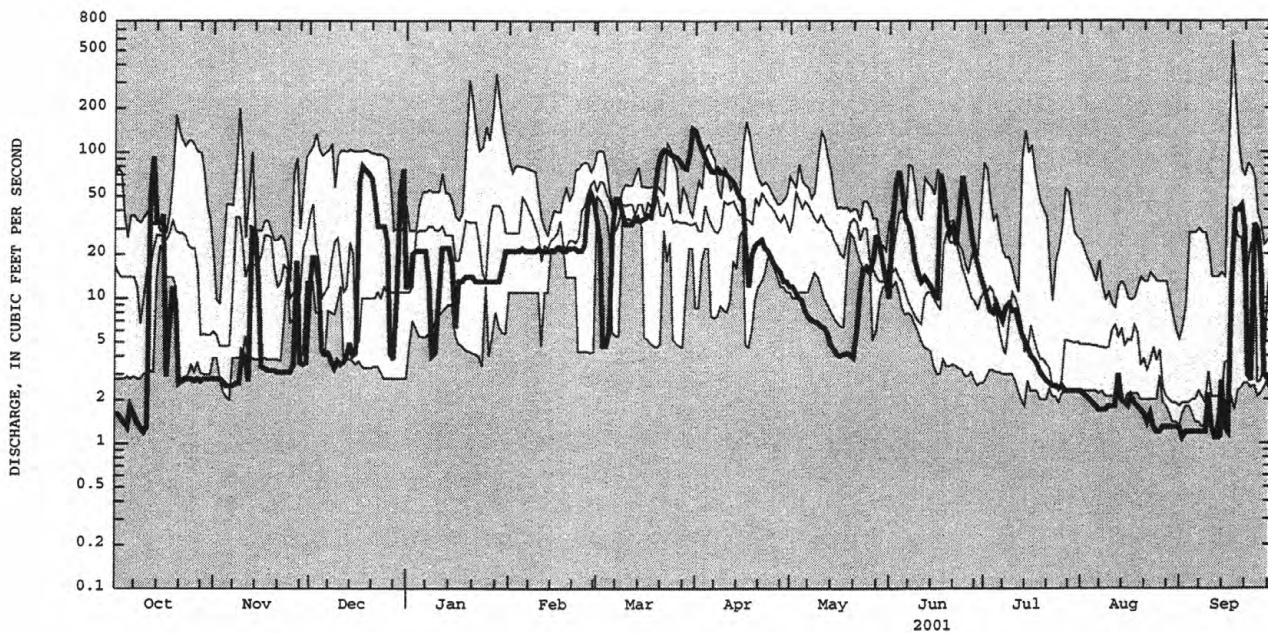
WATER YEARS 1996 - 2001

ANNUAL TOTAL	7339.7	7407.5	
ANNUAL MEAN	20.1	20.3	24.0
HIGHEST ANNUAL MEAN			31.0
LOWEST ANNUAL MEAN			20.3
HIGHEST DAILY MEAN	102	145	585
LOWEST DAILY MEAN	1.1	1.1	1.1
ANNUAL SEVEN-DAY MINIMUM	1.3	1.2	1.2
10 PERCENT EXCEEDS	49	58	58
50 PERCENT EXCEEDS	12	12	16
90 PERCENT EXCEEDS	2.1	1.7	2.4

e Estimated

HUDSON RIVER BASIN

01374654 MIDDLE BRANCH CROTON RIVER NEAR CARMEL, NY--Continued
(National water-quality assessment program station)



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01374654 MIDDLE BRANCH CROTON RIVER NEAR CARMEL, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1996, May 2000 to current year.

CHEMICAL DATA: 1996 (a).

PESTICIDE DATA: 1996 (a), 2000 (e), 2001 (d).

ORGANIC DATA: OC--1996 (a).

PCB--1996 (a).

PCN--1996 (a).

NUTRIENT DATA: 1996 (a).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (82660)	ACETO-CHLOR, WATER FLTRD REC (49260)	ALA-CHLOR, WATER, DISS, REC (46342)	ALPHA BHC, DISS, SOLVED (34253)	ATRA-ZINE, WATER, DISS, REC (39632)	BEN-FLUR-ALIN, WAT FLD GF, REC (82673)	BUTYL-ATE, WATER, DISS, REC (04028)	CAR-BARYL, WATER FLTRD GF, REC (82680)	CARBO-FURAN, WATER FLTRD 0.7 U GF, REC (82674)	CHLOR-PYRIFOS, DIS-SOLVED (38933)
OCT 10...	1205	1.1	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
NOV 10...	0710	7.6	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.014	<.020	<.005
10...	0900	6.1	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
DEC 17...	0710	9.9	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
17...	1000	24	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.007	<.020	<.005
17...	1110	118	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.010	<.020	<.005
17...	1430	109	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
26...	1230	31	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
FEB 20...	1315	21	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005

DATE	CYANA-ZINE, WATER, DISS, REC (04041)	DCPA, WATER FLTRD 0.7 U GF, REC (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (04040)	DI-AZINOM, DIS-SOLVED (39572)	DI-ELDRIN, DIS-SOLVED (39381)	DISUL-FOTON, WATER FLTRD 0.7 U GF, REC (82677)	EPTC, WATER FLTRD 0.7 U GF, REC (82668)	ETHAL-FLUR-ALIN, WAT FLT 0.7 U GF, REC (82663)	ETHO-PROP, WATER FLTRD 0.7 U GF, REC (82672)	FONOFOS, WATER DISS, REC (04095)	LINDANE, DIS-SOLVED (39341)	LIN-URON, WATER FLTRD 0.7 U GF, REC (82666)	MALA-THION, DIS-SOLVED (39532)
OCT 10...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
NOV 10...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
10...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
DEC 17...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
FEB 20...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027

DATE	METHYL AZIN-THION, WAT FLT 0.7 U GF, REC (82686)	METHYL PARA-THION, WAT FLT 0.7 U GF, REC (82667)	METO-LACHLOR, WATER DISSOLV (39415)	METRI-BUZIN, WATER DISSOLV (82630)	MOL-INATE, WATER FLTRD 0.7 U GF, REC (82671)	NAPROP-AMIDE, WATER FLTRD 0.7 U GF, REC (82684)	P,P'-DDE, DISSOLV (34653)	PARA-THION, DIS-SOLVED (39542)	PEB-ULATE, WATER FLTRD 0.7 U GF, REC (82669)	PENDI-METH-ALIN, WAT FLT 0.7 U GF, REC (82683)	PER-METHRIN, CIS, WAT FLT 0.7 U GF, REC (82687)	PHORATE, WATER FLTRD 0.7 U GF, REC (82664)	PRO-METON, WATER, DISS, REC (04037)
OCT 10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
NOV 10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
DEC 17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.014
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.009
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.015
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
FEB 20...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.007

E Estimated

HUDSON RIVER BASIN

01374654 MIDDLE BRANCH CROTON RIVER NEAR CARMEL, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, FLTRD DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, FLTRD DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT 10...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
NOV 10...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
NOV 10...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
DEC 17...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
DEC 17...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
DEC 17...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
DEC 17...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
DEC 26...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
FEB 20...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009

METHOD SH2060

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	2,4-D METHYL ESTER, FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO-FURAN WAT, FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL-UORFEN FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI-CARB SULFONE WAT, FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, REC (UG/L) (49312)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	
NOV 10...	0905	6.1	50	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	
DEC 17...	1005	24	50	<.086	E.03	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	
17...	1435	109	50	<.086	E.04	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	
26...	1235	31	10	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	
FEB 20...	1320	21	10	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	
DATE	TIME	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AMBN, METHYL ESTER WATER FLTRD REC (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT, FLT GF 0.7U REC (UG/L) (49306)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)
NOV 10...	<.061	<.022	<.0482	<.02	<.08	<.06	<.081	<.06	<.06	<.06	<.11	<.037	<.05	<.04
DEC 17...	<.061	<.022	<.0482	<.02	<.08	<.06	E.182	<.06	<.06	<.06	<.11	<.037	<.05	<.04
17...	<.061	<.022	<.0482	<.02	<.08	<.06	E.042	<.06	<.06	<.06	<.11	<.037	<.05	<.04
26...	<.061	<.022	<.0482	<.02	<.08	<.06	E.042	<.06	<.06	<.06	<.11	<.037	<.05	<.04
FEB 20...	<.061	<.022	<.0482	<.02	<.08	<.06	E.040	<.06	<.06	<.06	<.11	<.037	<.05	<.04
DATE	TIME	SI-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT, FLT GF 0.7U REC (UG/L) (49304)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)
NOV 10...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	E.03	<.07	<.0866	E.01	
DEC 17...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	E.02	<.08	<.07	<.0866	E.01	
17...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	E.01	
26...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06	
FEB 20...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06	

E Estimated

01374654 MIDDLE BRANCH CROTON RIVER NEAR CARMEL, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	HYDROXY ATRA- ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ- AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE- THAPYR WATER FLTRD REC (UG/L) (50407)	IMID- ACLOP- RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL OXIME WATER FLTRD REC (UG/L) (61696)	METH- OMYL WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	NEE- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)
NOV 10...	<.193	<.103	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
DEC 17...	<.193	E.013	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
17...	<.193	E.107	E.091	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
26...	<.193	E.017	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
FEB 20...	<.193	<.103	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07

DATE	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE, WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO- MET- RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)
NOV 10...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
DEC 17...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
17...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
26...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
FEB 20...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10

DATE

TRI-
BENURON
METHYL
WATER
FLTRD
(UG/L)
(61159)

TRI-
CLOPYR,
WATER,
FLTRD,
GF 0.7U
REC
(UG/L)
(49235)

UREA 3(
4-CHLOR
OPHENYL
METHYL
WAT FLT
REC
(UG/L)
(61692)

NOV

10...

DEC

17...

17...

26...

FEB

20...

METHOD SH2002

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	1,4- NAPTHO QUINON WATER FLTRD REC (UG/L) (61611)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	2(4TERT BUTYL- PHENOXY CYCLO- HEXANOL FLT REC (UG/L) (61637)	2,5-DI- CHLORO- ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2- ETHYL- 6-METHY -PANOL WAT FLT REC (UG/L) (61615)	2AMINON ISOPROP PYLBEN ZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO -2,6- DIETHYL ACET- PHENOL WAT FLT REC (UG/L) (61618)	4CHLORO 2-METH- YL- PHENOL WAT FLT REC (UG/L) (61633)	4CHLORO BENZYL METHYL SULFONE WAT FLT REC (UG/L) (61634)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)
DEC 17...	1010	24	50	E.0050	<.005	<.0160	<.0050	<.0160	<.0050	<.0080	<.0050	<.0080	<.0050
17...	1440	109	50	<.0080	<.005	<.0160	E.0019	<.0160	<.0050	<.0080	<.0050	<.0080	<.0050
26...	1240	31	10	<.0080	<.005	<.0160	<.0050	<.0160	<.0050	<.0080	<.0050	<.0080	<.0050
FEB 20...	1325	21	10	<.0509	<.088	<.0108	<.0261	<.1256	<.0049	<.0050	<.0056	<.0304	<.0045

DATE	ANILINE 3,4-DI- CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI- CHLORO WATER FLTRD REC (UG/L) (61627)	ANILINE 3-TRI- FLUORO- METHYL WAT FLT REC (UG/L) (61630)	AZIN- PHOS- METHYL- OXON WAT FLT REC (UG/L) (61635)	BENZO- PHENONE 4,4-DI- CHLORO WAT FLT REC (UG/L) (61631)	BENZYL ALCOHOL 3-PHEN- OXY WAT FLT REC (UG/L) (61629)	BI- FENTH- RIN WATER FLTRD REC (UG/L) (61580)	CHLOR- PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	CIS- CARBOX- YATE WATER FLTRD REC (UG/L) (79842)	CIS- PROPI- CONAZ- OLE WAT FLT REC (UG/L) (79846)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)	CY- FLUTH- RIN WATER FLTRD REC (UG/L) (61585)	CYPER- METHRIN WATER FLTRD REC (UG/L) (61586)
DEC 17...	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310	<.0310
17...	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310	<.0310
26...	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310	<.0310
FEB 20...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086

E Estimated

HUDSON RIVER BASIN

01374654 MIDDLE BRANCH CROTON RIVER NEAR CARMEL, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	DICROT- OPHOS WATER FLTRD REC (UG/L) (38454)	DIMETH- OATE WATER FLTRD GF, REC (UG/L) (82662)	DISULF- OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF- OTON SULF- OXIDE WAT FLT REC (UG/L) (61641)	E-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79844)	ENDO- SULFAN ALPHA DISSOLV (UG/L) (34362)	ENDO- SULFAN BETA DISSOLV (UG/L) (34357)	ENDO- SULFAN ETHER WATER FLTRD REC (UG/L) (61642)	ENDO- SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	ETHION DISSOLV (UG/L) (82346)	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI- PHOS SULFONE WATER FLTRD REC (UG/L) (61645)	FENAMI- PHOS SULF- OXIDE WAT FLT REC (UG/L) (61646)
DEC													
17...	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080	<.0310
17...	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080	<.0310
26...	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080	<.0310
FEB													
20...	<.0843	<.01	<.0159	<.0024	<.0457	<.0047	<.01	<.0041	<.0058	<.004	<.0336	<.0077	<.0310
DATE	FENAMI- PHOS WATER FLTRD REC (UG/L) (61591)	FEN- THION OXIDE WAT FLT REC (UG/L) (61647)	FEN- THION WATER FLTRD REC (UG/L) (38801)	FLUME- TRALIN WATER FLTRD REC (UG/L) (61592)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	HEXA- ZINONE, WATER, DISS, REC (UG/L) (04025)	HYDROXY METHYL- PENDI- METH- LION FLT REC (UG/L) (61665)	IPRO- DIONE WATER FLTRD REC (UG/L) (61593)	ISOFEN- PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA- CYHALO- THRIN WATER FLTRD REC (UG/L) (61595)	MALA- OXON WATER FLTRD REC (UG/L) (61652)	META- LAXYL WATER FLTRD REC (UG/L) (61596)	METHI- DATHION WATER FLTRD REC (UG/L) (61598)
DEC													
17...	<.0160	<.0080	<.005	<.0160	<.0160	<.01	<.0310	<.0310	<.0080	<.0080	<.0160	<.0160	<.0080
17...	<.0160	<.0080	<.005	<.0160	<.0160	<.01	<.0310	<.0310	<.0080	<.0080	<.0160	<.0160	<.0080
26...	<.0160	<.0080	<.005	<.0160	<.0160	<.01	<.0310	<.0310	<.0080	<.0080	<.0160	<.0160	<.0080
FEB													
20...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1428	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
DATE	MYCLO- BUTANIL WATER FLTRD REC (UG/L) (61599)	O-ETHYL O-METHY S-PROPY -HICATE WAT FLT REC (UG/L) (61660)	OXY- FLUOR- FEN WATER FLTRD REC (UG/L) (61600)	PARA- OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA- OXON METHYL WATER FLTRD REC (UG/L) (61664)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	PHOSMET OXON WATER FLTRD REC (UG/L) (61601)	PHOSTE- BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO- FENOFOS WATER FLTRD REC (UG/L) (61603)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROPET- AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO- TEPP WATER FLTRD REC (UG/L) (61605)
DEC													
17...	<.0080	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160	<.0050
17...	<.0080	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160	<.0050
26...	<.0080	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160	<.0050
FEB													
20...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
DATE	SUL- PROFOS WATER FLTRD REC (UG/L) (38716)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)	TEFLU- THRIN METAB- OLITE R119364 FLT REC (UG/L) (61671)	TEFLU- THRIN METAB- OLITE R152912 FLT REC (UG/L) (61672)	TEFLU- THRIN WATER FLTRD REC (UG/L) (61606)	TEME- PHOS WATER FLTRD REC (UG/L) (61607)	TER- BUFOS O-ANA- LOGUE WAT FLT REC (UG/L) (61674)	TER- BUTHYL- AZINE, WATER, DISS, REC (UG/L) (04022)	TRANS- CARBOX- YATE WATER FLTRD REC (UG/L) (79843)	TRANS- PROPI- CONA- ZOLE WAT FLT REC (UG/L) (79847)	TRIBU- PHOS WATER FLTRD REC (UG/L) (61610)	Z-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79845)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)
DEC													
17...	<.0050	<.0160	<.0050	<.0080	<.0080	<.1250	<.0160	<.005	<.0160	<.0050	<.0160	<.0310	<.01
17...	<.0050	<.0160	<.0050	<.0080	<.0080	<.1250	<.0160	<.005	<.0160	<.0050	E.0054	<.0310	<.01
26...	<.0050	<.0160	<.0050	<.0080	<.0080	<.1250	<.0160	<.005	<.0160	<.0050	<.0160	<.0310	<.01
FEB													
20...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2669	<.0676	<.010	<.0335	<.0133	<.0044	<.0203	<.01

E Estimated

HUDSON RIVER BASIN

235

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 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by Croton Falls Reservoir. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,160 ft³/s, Jan. 27, 1996, gage height, 3.79 ft, from rating curve extended above 580 ft³/s; minimum discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 693 ft³/s, Mar. 30, gage height, 3.09 ft; minimum discharge, 29 ft³/s, Sept. 12; minimum gage height, 1.26 ft, part of each day July 13-23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	44	39	40	95	178	562	68	42	73	35	32
2	42	43	39	39	95	176	510	67	167	90	35	32
3	42	43	39	39	91	161	440	64	169	54	35	32
4	42	43	39	39	85	158	397	61	175	58	35	32
5	42	43	39	39	106	175	349	81	175	69	35	31
6	42	43	39	39	105	165	320	43	157	62	34	31
7	43	43	39	39	89	156	306	36	129	42	34	31
8	43	43	39	39	85	160	306	37	110	46	33	31
9	43	43	39	39	84	176	312	43	87	46	33	31
10	43	43	39	39	89	167	328	48	67	43	33	32
11	43	42	39	39	94	163	289	40	56	53	33	32
12	43	42	39	39	92	162	295	49	52	45	33	32
13	43	42	39	39	93	238	274	77	45	38	34	31
14	43	42	39	39	92	242	251	43	42	42	34	31
15	43	42	39	39	95	240	228	46	40	42	34	31
16	43	42	39	39	101	255	211	37	38	35	34	31
17	43	42	39	39	107	309	190	36	358	36	34	31
18	43	42	39	39	98	311	205	35	314	36	34	31
19	43	42	40	39	95	305	138	35	245	38	33	32
20	43	42	39	53	95	313	137	35	225	36	33	32
21	43	42	39	85	101	348	137	35	230	36	33	32
22	44	42	40	76	115	562	137	35	175	36	33	32
23	43	41	40	67	127	619	125	41	198	36	33	33
24	43	41	40	60	124	579	130	65	265	36	33	35
25	43	39	40	55	149	506	120	64	191	35	33	83
26	43	39	40	52	176	449	97	76	159	40	33	67
27	42	39	40	50	182	392	100	87	134	38	33	51
28	44	39	41	48	185	345	117	76	113	35	33	56
29	43	39	40	48	---	313	66	71	89	e35	33	53
30	44	39	41	73	---	551	64	79	76	e35	33	46
31	44	---	40	100	---	561	---	57	---	e35	32	---
TOTAL	1330	1251	1222	1509	3045	9435	7141	1667	4323	1381	1040	1117
MEAN	42.9	41.7	39.4	48.7	109	304	238	53.8	144	44.5	33.5	37.2
MAX	44	44	41	100	185	619	562	87	358	90	35	83
MIN	42	39	39	39	84	156	64	35	38	35	32	31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

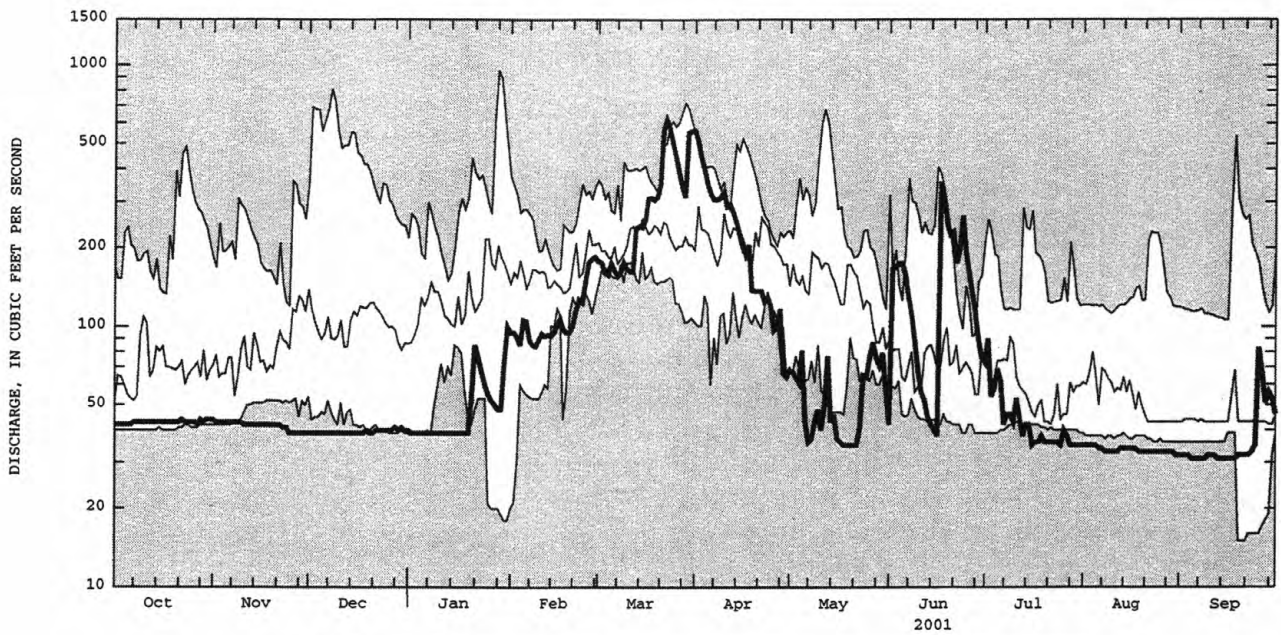
MEAN	89.5	94.5	149	147	162	254	223	144	100	74.9	65.3	63.4
MAX	196	201	460	250	232	385	343	238	157	128	122	125
(WY)	1997	1997	1997	1995	1996	1994	1994	1998	2000	1996	1995	1999
MIN	40.8	41.7	39.4	48.7	109	177	122	53.8	49.0	41.5	33.5	37.2
(WY)	1998	2001	2001	2001	2001	1995	1995	2001	1999	1999	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1994 - 2001	
ANNUAL TOTAL	36902		34461			
ANNUAL MEAN	101		94.4		126	
HIGHEST ANNUAL MEAN					170	
LOWEST ANNUAL MEAN					94.4	
HIGHEST DAILY MEAN	368	Jun 7	619	Mar 23	954	Jan 28 1996
LOWEST DAILY MEAN	39	Nov 25	31	Sep 5	15	Sep 19 1995
ANNUAL SEVEN-DAY MINIMUM	39	Nov 25	31	Sep 12	16	Sep 19 1995
10 PERCENT EXCEEDS	217		239		263	
50 PERCENT EXCEEDS	58		43		98	
90 PERCENT EXCEEDS	41		33		40	

e Estimated

HUDSON RIVER BASIN

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.

HUDSON RIVER BASIN

237

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 mi².

PERIOD OF RECORD.--March 1994 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 210 ft above sea level, 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 ft³/s, Jan. 28, 1996, gage height, 5.23 ft, from rating curve extended above 120 ft³/s; minimum discharge, 1.5 ft³/s, Sept. 3, 6, 1996, Aug. 9, 2000; minimum gage height, 1.07 ft, Aug. 9, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 157 ft³/s, Apr. 21, gage height, 3.26 ft; minimum, 3.5 ft³/s, Dec. 29, 30, gage height, 1.27 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	13	11	3.8	21	66	90	15	15	14	8.0	8.5
2	8.5	7.0	11	3.9	22	88	89	15	16	14	8.0	8.5
3	8.4	6.7	11	8.1	23	88	89	15	15	14	8.0	8.5
4	8.4	6.5	11	15	23	88	88	15	15	13	8.0	8.6
5	8.5	6.5	11	16	23	88	88	15	15	14	8.1	8.5
6	8.5	6.5	11	16	24	88	88	14	14	13	8.4	8.4
7	8.5	6.3	10	16	23	87	88	14	14	13	10	8.1
8	8.5	6.2	10	16	23	87	88	14	14	13	15	8.0
9	8.6	6.1	10	16	23	87	88	14	14	13	13	8.0
10	9.5	6.9	10	17	23	87	88	14	14	13	7.9	8.5
11	10	6.6	10	17	23	87	88	14	14	13	8.2	8.5
12	10	6.3	10	17	23	86	88	14	13	13	8.2	8.6
13	9.9	6.3	11	17	22	89	87	14	14	13	10	8.8
14	9.9	6.3	9.5	18	35	88	87	14	14	13	9.8	9.3
15	10	6.3	8.4	18	43	88	87	14	14	13	9.6	9.0
16	10	6.2	8.5	18	43	88	87	14	14	13	9.4	9.0
17	10	6.1	11	19	43	89	87	14	21	13	9.3	9.0
18	10	6.0	9.6	19	44	89	87	14	15	13	9.3	9.0
19	10	5.9	9.3	20	43	89	50	14	14	13	9.3	9.0
20	11	5.9	8.6	20	43	89	54	14	14	13	9.4	9.5
21	11	5.8	7.2	20	43	90	144	14	14	13	10	9.7
22	11	5.8	7.0	20	44	94	151	15	14	13	10	9.3
23	11	5.8	7.0	20	44	89	83	16	15	13	9.4	9.3
24	11	5.5	6.7	20	44	89	57	16	15	13	9.0	9.5
25	11	5.3	6.2	20	44	89	39	17	14	13	8.8	10
26	11	5.6	5.9	20	45	89	30	15	14	11	8.7	10
27	11	5.3	5.8	21	44	89	29	15	14	8.2	8.9	10
28	12	5.2	5.6	21	44	89	28	14	14	8.2	8.8	10
29	12	5.1	4.4	20	---	89	28	15	14	8.0	8.6	10
30	13	7.3	4.1	21	---	94	23	15	14	8.0	8.6	11
31	13	---	3.8	21	---	91	---	15	---	8.0	8.5	---
TOTAL	313.8	190.3	265.6	534.8	942	2728	2298	452	435	380.4	286.2	272.1
MEAN	10.1	6.34	8.57	17.3	33.6	88.0	76.6	14.6	14.5	12.3	9.23	9.07
MAX	13	13	11	21	45	94	151	17	21	14	15	11
MIN	8.4	5.1	3.8	3.8	21	66	23	14	13	8.0	7.9	8.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

	MEAN	27.7	27.9	39.1	55.3	58.7	68.0	69.8	48.3	34.5	33.3	17.2	15.9
MAX	81.3	64.3	133	109	73.7	106	89.1	88.8	56.9	113	38.3	46.6	
(WY)	1997	1997	1997	1996	1996	1998	1996	1997	1998	1997	2000	1999	
MIN	6.31	6.34	6.74	17.3	33.6	31.9	32.5	14.6	13.1	6.95	6.37	6.33	
(WY)	1998	2001	1998	2001	2001	2000	1995	2001	1995	1999	1997	1995	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

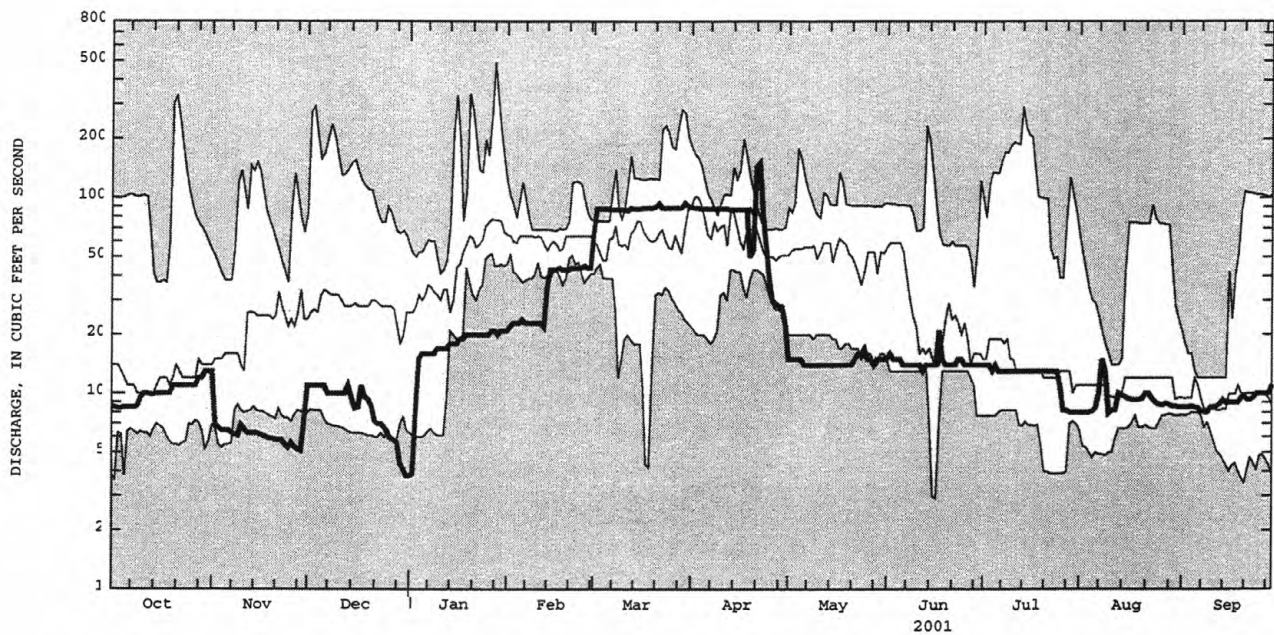
WATER YEARS 1994 - 2001

ANNUAL TOTAL	11616.6	9098.2	
ANNUAL MEAN	31.7	24.9	40.5
HIGHEST ANNUAL MEAN			66.0
LOWEST ANNUAL MEAN			24.9
HIGHEST DAILY MEAN	91	151	492
LOWEST DAILY MEAN	3.8	3.8	2.9
ANNUAL SEVEN-DAY MINIMUM	5.1	4.5	3.9
10 PERCENT EXCEEDS	61	88	90
50 PERCENT EXCEEDS	18	13	27
90 PERCENT EXCEEDS	6.8	6.8	8.0

e Estimated

HUDSON RIVER BASIN

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 mi².

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 sea level, 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 ft³/s, Sept. 17, 1999, gage height, 6.68 ft, outside gage height was 6.96 ft, from crest-stage gage; minimum discharge, 0.16 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June 17	1515	*237	*4.03				

Minimum discharge, 0.62 ft³/s, Aug. 8, 9, 10, gage height, 1.29 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	1.8	9.1	e20	37	39	122	12	7.9	11	1.2	3.3
2	3.5	1.8	7.4	e19	e34	35	100	12	42	11	1.1	2.3
3	3.3	1.8	6.4	e18	e30	35	85	11	39	8.7	.94	2.0
4	3.0	1.8	e5.6	e17	e27	34	74	10	30	8.3	1.1	2.0
5	3.0	1.7	5.0	16	23	32	66	9.4	20	15	1.1	2.1
6	3.4	1.7	e4.6	16	27	e32	59	8.4	16	29	.95	1.6
7	3.1	1.7	e4.2	17	34	e33	56	7.7	12	17	.81	1.3
8	2.7	1.7	3.9	e16	28	33	51	7.3	9.4	19	.74	1.2
9	2.5	1.7	e3.8	15	25	33	54	6.6	8.1	19	.69	1.1
10	2.4	13	e3.7	14	35	35	81	6.0	7.0	10	.70	1.7
11	2.4	24	4.5	12	e40	35	62	5.5	6.1	12	.84	3.0
12	2.4	20	6.0	13	e34	35	60	5.2	5.8	10	.92	1.6
13	4.3	15	6.7	11	30	71	52	4.8	7.4	8.1	1.3	1.3
14	3.4	12	12	e10	28	83	45	4.3	5.9	6.9	2.3	5.6
15	2.8	12	12	12	32	77	40	4.0	5.0	6.0	1.7	4.1
16	2.5	9.0	11	13	32	77	36	3.8	4.5	5.1	1.2	2.5
17	2.4	7.3	78	14	38	93	34	3.8	150	4.8	.91	2.0
18	3.0	6.1	112	14	e35	92	32	3.7	150	4.3	.80	1.6
19	4.2	5.3	86	18	e32	83	28	3.7	100	3.6	.73	1.4
20	5.4	4.8	64	26	29	76	26	3.3	61	3.6	.75	3.1
21	4.9	4.4	e48	e22	32	79	25	3.3	45	3.2	1.8	18
22	9.7	4.0	e37	e24	e28	169	25	12	39	2.7	.97	9.7
23	8.9	3.4	e31	e23	e27	188	20	19	35	2.4	1.4	7.1
24	5.9	e3.2	e28	e21	26	138	20	18	39	2.1	3.0	4.9
25	4.3	2.9	e25	18	33	114	19	16	31	1.9	1.6	16
26	3.1	15	e22	e17	55	98	18	22	24	2.1	1.2	15
27	2.3	20	e20	15	49	87	17	31	20	2.2	3.4	12
28	2.0	14	e18	14	44	77	16	23	16	1.7	4.9	7.8
29	1.9	12	e17	e17	---	69	13	17	13	1.6	2.9	5.4
30	1.9	11	e18	e21	---	149	12	12	10	1.4	1.7	4.1
31	1.8	---	e19	37	---	149	---	8.9	---	1.3	2.2	---
TOTAL	110.1	234.1	728.9	540	924	2380	1348	314.7	959.1	235.0	45.85	144.8
MEAN	3.55	7.80	23.5	17.4	33.0	76.8	44.9	10.2	32.0	7.58	1.48	4.83
MAX	9.7	24	112	37	55	188	122	31	150	29	4.9	18
MIN	1.8	1.7	3.7	10	23	32	12	3.3	4.5	1.3	.69	1.1
CFSM	.21	.46	1.38	1.02	1.93	4.49	2.63	.59	1.87	.44	.09	.28
IN.	.24	.51	1.59	1.17	2.01	5.18	2.93	.68	2.09	.51	.10	.32

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

	1996	1997	1998	1999	2000	2001
MEAN	21.1	25.9	40.8	49.0	46.9	60.5
MAX	61.2	51.3	111	89.7	59.8	76.8
(WY)	1997	1997	1997	1996	1996	1998
MIN	2.80	7.13	6.36	17.4	33.0	39.0
(WY)	1998	1999	1999	2001	2001	1997

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

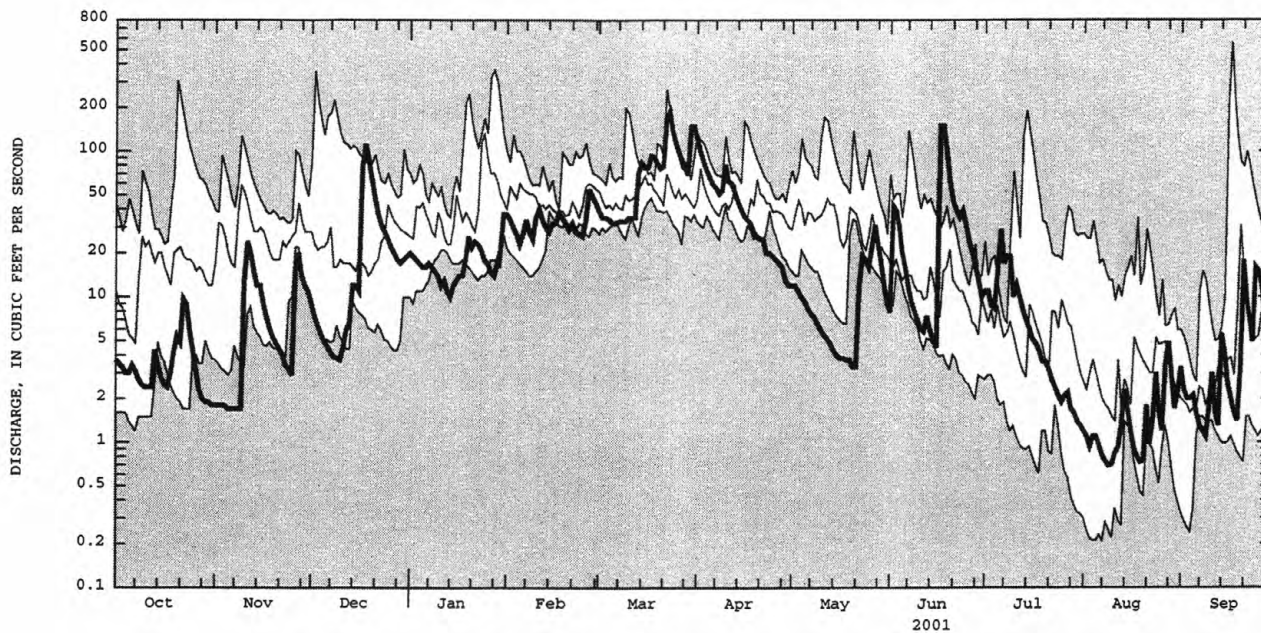
WATER YEARS 1996 - 2001

ANNUAL TOTAL	8185.7	7964.55	
ANNUAL MEAN	22.4	21.8	30.1
HIGHEST ANNUAL MEAN			40.5
LOWEST ANNUAL MEAN			21.8
HIGHEST DAILY MEAN	139	188	560
LOWEST DAILY MEAN	1.4	.69	.21
ANNUAL SEVEN-DAY MINIMUM	1.5	.81	.23
ANNUAL RUNOFF (CFSM)	1.31	1.28	1.76
ANNUAL RUNOFF (INCHES)	17.81	17.33	23.88
10 PERCENT EXCEEDS	47	57	70
50 PERCENT EXCEEDS	18	12	22
90 PERCENT EXCEEDS	2.8	1.7	1.8

e Estimated

HUDSON RIVER BASIN

01374890 CROSS RIVER NEAR CROSS RIVER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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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 mi².

PERIOD OF RECORD.--March 1994 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 210 ft above sea level, from topographic map. Feb. 8, 1996 to Sept. 16, 1998, at site 500 ft downstream at different datum.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Cross River Reservoir. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 774 ft³/s, Sept. 17, 1999, gage height, 5.50 ft, from rating curve extended above 220 ft³/s; minimum recorded discharge, 0.01 ft³/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, 437 ft³/s, June 17, gage height, 3.84 ft; minimum discharge, 5.2 ft³/s, part or all of each day Oct. 3-4, 19, Nov. 20-29; minimum gage height, 1.29 ft, Oct. 3, 4, 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	18	19	26	66	71	240	23	16	17	20	8.1
2	7.5	9.5	13	25	66	65	193	22	105	13	12	8.1
3	11	10	13	23	61	62	162	21	103	12	8.1	8.1
4	5.5	8.8	13	22	50	63	140	20	65	11	8.0	8.1
5	7.7	8.1	9.6	23	61	77	123	17	45	26	8.1	8.1
6	10	8.2	9.1	24	62	78	114	18	30	64	8.2	8.1
7	10	9.1	9.1	22	55	69	111	13	22	40	8.2	8.1
8	9.3	9.1	9.4	22	48	62	101	13	17	37	8.2	8.1
9	9.2	9.1	10	25	44	66	104	11	14	37	8.3	8.1
10	9.8	9.0	10	22	53	66	174	11	11	25	8.2	8.3
11	10	9.1	10	20	62	64	135	11	11	20	8.1	8.1
12	8.8	9.1	11	19	53	64	120	10	9.8	15	8.1	8.0
13	8.0	9.1	11	19	55	123	106	10	12	12	8.2	8.1
14	8.5	8.2	11	18	51	149	90	10	12	11	8.2	8.2
15	9.1	7.2	10	20	54	133	80	10	11	10	8.2	8.0
16	8.4	6.1	10	21	60	127	72	10	11	10	8.2	8.1
17	9.1	6.1	59	21	71	155	69	10	292	10	8.2	8.0
18	9.1	6.1	166	21	59	156	61	10	313	11	8.2	8.0
19	7.1	6.1	132	34	51	137	56	9.4	184	11	8.1	8.0
20	6.9	5.6	105	53	50	124	53	8.1	112	10	8.1	8.1
21	7.8	5.3	78	57	55	131	53	8.7	81	10	8.1	8.1
22	8.0	5.4	65	44	52	280	59	23	68	10	8.2	8.0
23	9.1	5.4	52	35	52	373	53	23	61	10	8.1	8.0
24	8.7	5.2	43	30	46	268	43	25	84	10	8.1	8.0
25	9.1	5.2	33	27	57	211	36	27	63	14	8.1	8.1
26	9.6	5.8	25	25	93	182	35	30	46	19	8.1	8.0
27	10	6.1	23	24	92	160	30	53	31	20	8.2	8.0
28	10	5.9	21	22	82	142	26	43	24	20	8.1	8.0
29	10	6.0	19	20	---	127	24	35	21	20	8.1	8.0
30	10	21	39	38	---	297	23	30	16	20	8.1	8.0
31	14	---	42	65	---	330	---	17	---	20	8.1	---
TOTAL	281.3	242.9	1080.2	867	1661	4412	2686	582.2	1890.8	575	268.2	242.0
MEAN	9.07	8.10	34.8	28.0	59.3	142	89.5	18.8	63.0	18.5	8.65	8.07
MAX	14	21	166	65	93	373	240	53	313	64	20	8.3
MIN	5.5	5.2	9.1	18	44	62	23	8.1	9.8	10	8.0	8.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

	MEAN	23.3	25.9	46.8	61.7	68.3	93.5	81.6	65.2	43.2	31.1	29.1	29.2
MAX	62.9	63.9	84.4	161	189	142	119	120	83.5	67.0	63.4	84.7	
(WY)	1997	1997	1995	1997	1997	2001	1996	1996	1996	1996	1996	1999	
MIN	1.40	.22	.86	1.07	.96	54.2	38.2	18.8	10.7	7.90	5.12	4.55	
(WY)	1998	1998	1998	1998	1998	1998	1995	2001	1999	1999	1997	1997	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

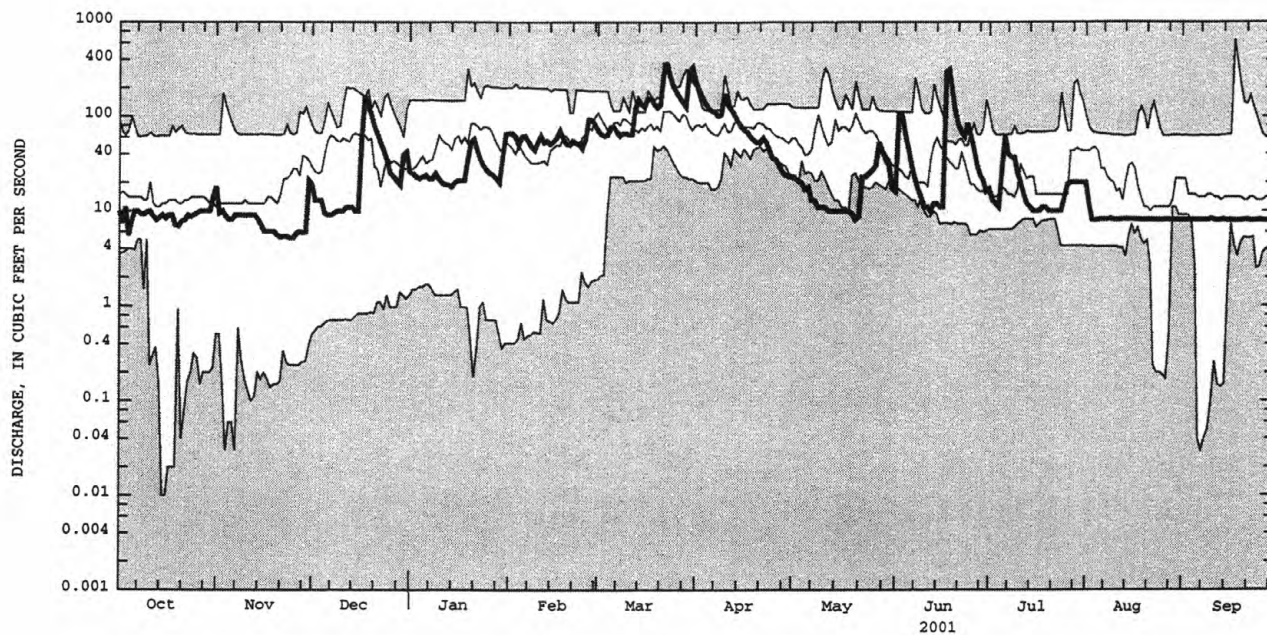
FOR 2001 WATER YEAR

WATER YEARS 1994 - 2001

ANNUAL TOTAL	13855.9	14788.6	
ANNUAL MEAN	37.9	40.5	48.8
HIGHEST ANNUAL MEAN			71.4
LOWEST ANNUAL MEAN			26.8
HIGHEST DAILY MEAN	254	373	644
LOWEST DAILY MEAN	5.2	5.2	.01
ANNUAL SEVEN-DAY MINIMUM	5.4	5.4	.09
10 PERCENT EXCEEDS	81	105	118
50 PERCENT EXCEEDS	25	18	37
90 PERCENT EXCEEDS	9.1	8.0	7.2

HUDSON RIVER BASIN

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

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 mi².

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 sea level, 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 ft³/s, Sept. 16, 1999, gage height, 6.76 ft, from rating curve extended above 580 ft³/s on basis of step-backwater analysis of peak flow; minimum discharge, 1.1 ft³/s, Aug. 4, 5, 1999; minimum gage height, 0.83 ft, Aug. 9, 10, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1330	244	2.75	Apr. 10	0030	222	2.66
Mar. 22	1815	279	2.88	June 17	0700	*456	*3.43
Mar. 30	1345	313	3.00				

Minimum discharge, 2.6 ft³/s, Aug. 9, 10, gage height, 0.83 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	5.7	12	e18	44	38	111	23	13	11	4.3	16
2	7.2	5.5	9.8	e18	41	35	89	22	75	12	4.1	8.6
3	7.2	5.5	8.2	e17	37	35	75	21	56	10	3.7	5.9
4	7.0	5.8	7.3	e17	30	35	65	20	33	10	3.9	5.2
5	7.5	6.1	e7.0	18	27	35	58	19	23	28	4.2	4.6
6	8.3	6.1	e6.4	19	31	35	55	18	18	44	3.9	4.2
7	7.6	6.2	e6.2	19	32	35	54	17	15	22	3.4	3.8
8	6.8	6.2	e6.0	18	28	33	49	16	13	20	3.2	3.5
9	7.3	6.3	e5.8	e17	26	34	60	16	12	19	3.0	3.4
10	7.1	29	e5.6	e16	46	36	123	15	11	14	3.0	8.4
11	6.8	38	e6.0	e15	e40	37	74	14	10	13	3.4	16
12	6.5	21	10	e15	e36	39	67	13	11	12	3.8	7.6
13	6.3	13	9.0	e15	e30	95	59	13	9.8	10	5.0	5.4
14	5.9	11	23	15	30	91	50	12	9.6	11	6.4	16
15	5.6	15	22	16	36	76	45	12	9.3	9.9	5.2	14
16	5.7	11	16	18	37	74	42	11	8.8	8.8	4.1	8.3
17	5.7	9.1	135	19	44	90	41	11	227	9.7	3.7	6.4
18	6.7	8.2	117	18	e33	85	40	11	124	9.5	e3.5	5.5
19	8.6	7.5	73	26	e30	71	36	11	62	8.3	e3.3	4.9
20	7.3	6.8	51	36	32	63	34	10	36	7.5	e3.4	5.8
21	5.9	6.6	e34	28	37	72	34	10	28	6.8	e5.5	30
22	5.2	6.4	e30	e27	e30	188	41	29	25	6.2	e4.0	20
23	5.1	e6.2	e26	e25	e27	165	35	36	27	5.8	7.1	11
24	5.3	e6.0	e24	20	e26	113	32	31	41	5.4	15	7.9
25	5.4	e5.6	e22	19	40	88	29	22	26	5.1	8.0	23
26	5.4	29	e20	e17	66	76	27	21	20	6.1	5.5	18
27	5.5	35	e18	e16	54	69	26	28	16	6.9	12	11
28	5.6	21	e17	e15	46	63	25	22	14	5.9	7.9	8.8
29	5.6	14	e16	16	---	57	24	18	12	5.3	6.0	7.5
30	5.6	13	e17	30	---	202	23	21	11	4.8	4.8	6.7
31	5.6	---	e18	49	---	156	---	15	---	4.6	7.1	---
TOTAL	198.8	365.8	778.3	632	1016	2321	1523	558	996.5	352.6	161.4	297.4
MEAN	6.41	12.2	25.1	20.4	36.3	74.9	50.8	18.0	33.2	11.4	5.21	9.91
MAX	8.6	38	135	49	66	202	123	36	227	44	15	30
MIN	5.1	5.5	5.6	15	26	33	23	10	8.8	4.6	3.0	3.4
CFSM	.34	.65	1.34	1.09	1.94	4.00	2.71	.96	1.78	.61	.28	.53
IN.	.40	.73	1.55	1.26	2.02	4.62	3.03	1.11	1.98	.70	.32	.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1999	19.5	32.6	2000	6.41	2001
2000	21.6	31.1	2000	12.2	2001
2001	30.7	36.2	2000	25.1	2001
2002	23.6	26.8	2001	20.4	2002
2003	35.0	36.3	2001	33.7	2002
2004	59.0	74.9	2001	43.1	2002
2005	43.9	50.8	2001	36.9	2002
2006	23.1	28.2	2000	18.0	2001
2007	31.8	33.2	2001	30.3	2000
2008	9.52	13.2	2000	3.98	1999
2009	9.02	17.6	2000	4.29	1999
2010	26.2	58.4	1999	9.91	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

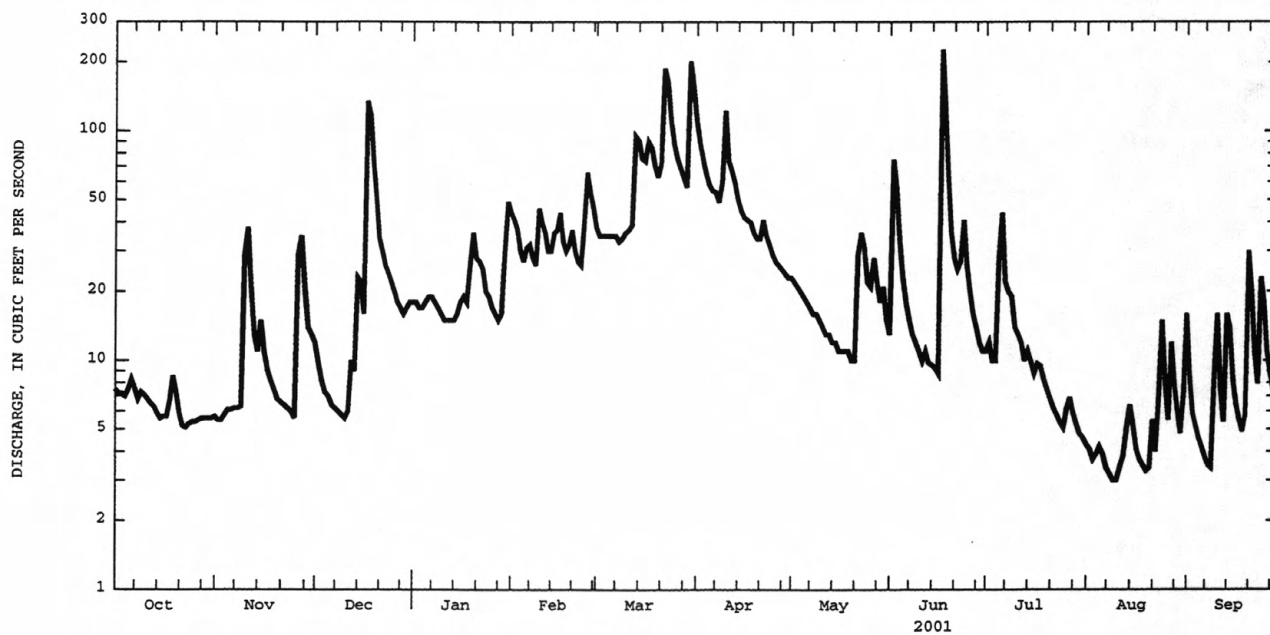
WATER YEARS 1999 - 2001

ANNUAL TOTAL	8643.2	9200.8	
ANNUAL MEAN	23.6	25.2	26.8
HIGHEST ANNUAL MEAN			28.3
LOWEST ANNUAL MEAN			25.2
HIGHEST DAILY MEAN	143	227	550
LOWEST DAILY MEAN	5.1	3.0	1.5
ANNUAL SEVEN-DAY MINIMUM	5.4	3.4	1.7
ANNUAL RUNOFF (CFSM)	1.26	1.35	1.43
ANNUAL RUNOFF (INCHES)	17.19	18.30	19.45
10 PERCENT EXCEEDS	45	57	49
50 PERCENT EXCEEDS	19	16	19
90 PERCENT EXCEEDS	6.1	5.4	4.9

e Estimated

HUDSON RIVER BASIN

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued



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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2001 to current year.

PESTICIDE DATA: 2001 (e).

REMARKS.--For many of the samples collected, analysis was performed using three analytical methods; method SH2010, method SH2060, and method SH2002. Because each of these methods share one or more pesticides, separate tables are provided so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Hudson NAWQA section near the end of this report. A sampling method code of 10 indicates an equal-width increment sample, 50 indicates a sample collected at one point in the cross section, 70 indicates a grab sample. Also published as a NAWQA water-quality miscellaneous site. And also published as a Statewide pesticide-monitored site in Volume 3, WDR NY-01.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (82660)	ACETO- CHLOR, WATER FLTRD REC (49260)	ALA- CHLOR, WATER, DISS, REC (46342)	ALPHA BHC DIS- SOLVED (34253)	ATRA- ZINE, WATER, DISS, REC (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (82673)	BUTYL- ATE, WATER, DISS, REC (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (82674)	CHLOR- PYRIFOS DIS- SOLVED (38933)
MAR													
22...	1310	152	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
*22...	1311	152	70	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
APR													
30...	1400	24	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
MAY													
14...	1150	12	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
22...	0720	22	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.008	<.020	<.005
22...	1430	39	10	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.099	<.020	<.005
*22...	1450	39	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.133	<.020	<.005
22...	2320	34	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.051	<.020	<.005
23...	1450	41	50	<.002	<.004	<.002	<.005	E.006	<.010	<.002	E.011	<.020	<.005
JUN													
02...	0115	25	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.018	<.020	<.005
02...	0215	41	50	<.002	<.004	<.002	<.005	.010	<.010	<.002	E.018	<.020	<.005
02...	0500	93	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.019	<.020	<.005
02...	0745	96	50	<.002	<.004	<.002	<.005	E.006	<.010	<.002	E.037	<.020	<.005
*02...	1545	73	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.083	<.020	<.005
02...	1600	73	10	<.002	<.004	<.002	<.005	E.006	<.010	<.002	E.044	<.020	<.005
03...	0010	81	50	<.002	<.004	<.002	<.005	E.006	<.010	<.002	E.015	<.020	<.005
03...	1030	54	50	<.002	<.004	<.002	<.005	<.010	<.010	<.002	E.011	<.020	<.005
04...	0100	40	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.007	<.020	<.005
12...	1540	11	50	<.002	<.004	<.002	<.005	<.010	<.010	<.002	<.041	<.020	<.005
17...	0340	18	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
17...	0500	77	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.038	<.020	<.005
17...	0545	224	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.342	<.020	<.005
17...	1650	244	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.421	<.020	<.005
17...	2010	187	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.391	<.020	<.005
18...	1700	107	50	<.002	<.004	<.002	<.005	E.006	<.010	<.002	E.086	<.020	<.005
24...	0140	52	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.007	<.020	<.005
27...	1640	16	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
JUL													
10...	1410	14	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.004	<.020	<.005
AUG													
15...	1255	5.4	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.493	<.020	<.005
27...	1530	13	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.003	<.020	<.005
27...	1540	57	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.004	<.020	<.005
SEP													
11...	1445	12	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
21...	1155	40	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
25...	1300	32	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005

* Replicate

E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

DATE	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)
MAR													
22...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
*22...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
APR													
30...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAY													
14...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	E.002	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	E.003	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
*22...	<.018	<.003	E.003	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	E.003	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	E.003	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUN													
02...	<.018	<.003	<.006	.011	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
02...	<.018	<.003	<.006	.006	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
02...	<.018	<.003	<.006	E.002	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
02...	<.018	<.003	E.002	E.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.014
*02...	<.018	<.003	E.003	E.001	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
02...	<.018	<.003	<.006	E.004	<.005	<.021	<.002	<.009	<.005	<.003	E.003	<.035	E.016
03...	<.018	<.003	E.002	.014	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
03...	<.018	<.003	<.006	.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
04...	<.018	<.003	<.006	E.001	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
12...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	<.020	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.016
17...	<.018	<.003	E.003	.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.037
17...	<.018	<.003	E.003	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.032
18...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
24...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
27...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUL													
10...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	.014	<.035	<.027
AUG													
15...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
27...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
27...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
SEP													
11...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
21...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
25...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027

* Replicate

E Estimated

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

DATE	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)
MAR													
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
*22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
APR													
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
MAY													
14...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
*22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.008	<.010	<.006	<.011	E.004
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.008	<.010	<.006	<.011	E.005
JUN													
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.010	<.010	<.006	<.011	E.003
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
*02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
03...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
03...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
04...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.010	<.010	<.006	<.011	<.015
12...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.010	<.010	<.006	<.011	E.005
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
17...	<.050	<.006	<.013	<.200	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.002
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
24...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
JUL													
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
AUG													
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
SEP													
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
21...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015

* Replicate
E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
MAR											
22...	<.004	<.010	<.011	<.023	E.004	<.016	<.034	<.017	<.005	<.002	<.009
*22...	<.004	<.010	<.011	<.023	E.003	<.016	<.034	<.017	<.005	<.002	<.009
APR											
30...	<.004	<.010	<.011	<.023	.031	<.016	<.034	<.017	<.005	<.002	<.009
MAY											
14...	<.004	<.010	<.011	<.023	.061	<.016	<.034	<.017	<.005	<.002	<.009
22...	<.004	<.010	<.011	<.023	.053	<.016	<.034	<.017	<.005	<.002	<.009
22...	<.004	<.010	<.011	<.023	.038	<.016	<.034	<.017	<.005	<.002	<.009
*22...	<.004	<.010	<.011	<.023	.042	<.016	<.034	<.017	<.005	<.002	<.009
22...	<.004	<.010	<.011	<.023	.066	<.016	<.034	<.017	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.023	.038	<.016	<.034	<.017	<.005	<.002	<.009
JUN											
02...	<.004	<.010	<.011	<.023	E21.2	<.016	<.034	<.017	<.005	<.002	<.009
02...	<.004	<.010	<.011	<.023	16.1	<.016	<.034	<.017	<.005	<.002	<.009
02...	<.004	<.010	<.011	<.023	5.43	<.016	<.034	<.017	<.005	<.002	<.009
02...	<.004	<.010	<.011	<.023	.822	<.016	<.034	<.017	<.005	<.002	<.009
*02...	<.004	<.010	<.011	<.023	2.76	<.016	<.034	<.017	<.005	<.002	<.009
02...	<.004	<.010	<.011	<.023	1.17	<.016	<.034	<.017	<.005	<.002	<.009
03...	<.004	<.010	<.011	<.023	.489	<.016	<.034	<.017	<.005	<.002	<.009
03...	<.004	<.010	<.011	<.023	5.74	<.016	<.034	<.017	<.005	<.002	<.009
04...	<.004	<.010	<.011	<.023	E25.1	<.016	<.034	<.017	<.005	<.002	<.009
12...	<.004	<.010	<.011	<.023	1.46	<.016	<.034	<.017	<.005	<.002	<.009
17...	<.004	<.010	<.011	<.023	.347	<.016	<.034	<.017	<.005	<.002	<.009
17...	<.004	<.010	<.011	<.023	.152	<.016	<.034	<.017	<.005	<.002	<.009
17...	<.004	<.010	<.011	<.023	.062	<.016	<.034	<.017	<.005	<.002	<.009
17...	<.004	<.010	<.011	<.023	.030	<.016	<.034	<.017	<.005	<.002	E.004
17...	<.004	<.010	<.011	<.023	.034	<.016	<.034	<.017	<.005	<.002	<.009
18...	<.004	<.010	<.011	<.023	.194	<.016	<.034	<.017	<.005	<.002	<.009
24...	<.004	<.010	<.011	<.023	.084	<.016	<.034	<.017	<.005	<.002	<.009
27...	<.004	<.010	<.011	<.023	.090	<.016	<.034	<.017	<.005	<.002	<.009
JUL											
10...	<.004	<.010	<.011	<.023	.314	<.016	<.034	<.017	<.005	<.002	<.009
AUG											
15...	<.004	<.010	<.011	<.023	.075	<.016	<.034	<.017	<.005	<.002	<.009
27...	<.004	<.010	<.011	<.023	.639	<.016	<.034	<.017	<.005	<.002	<.009
27...	<.004	<.010	<.011	<.023	.148	<.016	<.034	<.017	<.005	<.002	<.009
SEP											
11...	<.004	<.010	<.011	<.023	.026	<.016	<.034	<.017	<.005	<.002	<.009
21...	<.004	<.010	<.011	<.023	.015	<.016	<.034	<.017	<.005	<.002	<.009
25...	<.004	<.010	<.011	<.023	.025	<.016	<.034	<.017	<.005	<.002	<.009

E Estimated
* Replicate

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS- SOLVED REC (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO- FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	
DATE	TIME													
MAR														
22...	1315	152	10	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	
*22...	1316	152	70	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	
APR														
30...	1405	24	10	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	
MAY														
14...	1155	12	10	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
22...	1435	39	10	.686	E6.92	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
*22...	1455	39	50	<.009	E8.37	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.004	
23...	1455	41	50	<.009	.62	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
JUN														
02...	0220	41	50	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
02...	0505	93	50	E3.78	E16.1	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.006	
*02...	1550	73	50	.378	E2.28	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
02...	1605	73	10	.588	E1.51	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
03...	1035	54	50	<.009	.05	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
12...	1545	11	50	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
17...	0345	18	50	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
17...	0505	77	50	<.009	.03	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
17...	0550	224	50	<.009	.54	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
17...	1655	244	50	<.009	.75	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
17...	2015	187	50	<.009	.27	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
18...	1705	107	50	<.009	.12	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
24...	0145	52	50	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.002	
27...	1650	16	10	<.009	E.01	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
JUL														
10...	1415	14	10	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
AUG														
27...	1545	57	50	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
SEP														
11...	1450	12	10	<.009	.05	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
21...	1200	40	50	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
25...	1305	32	50	<.009	.13	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	
DATE		BENDIO- CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN- SUL- FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF- FEINE, WATER FLTRD REC (UG/L) (50305)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR- AMBEN, METHYL ESTER WATER FLTRD REC (UG/L) (61188)	CHLORI- MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)
MAR														
22...	<.061	.027	<.0482	<.02	<.08	<.06	E.035	<.06	<.06	<.06	<.11	<.037	<.05	<.04
*22...	<.061	.070	<.0482	<.02	<.08	<.06	.090	<.06	<.06	<.06	<.11	<.037	<.05	<.04
APR														
30...	<.061	E.012	<.0482	<.02	<.08	<.06	<.081	<.06	<.06	<.06	<.11	<.037	<.05	<.04
MAY														
14...	<.025	.013	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.02	<.010	<.04	<.01
22...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	E.03	<.01	<.02	<.02	<.010	<.04	<.01
*22...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	.04	<.01	<.02	<.02	<.010	<.04	<.01
23...	<.025	<.004	<.0158	<.01	<.03	<.02	.028	<.03	<.01	<.02	<.02	<.010	<.04	<.01
JUN														
02...	<.025	E.088	<.0158	<.01	<.03	<.02	E.138	M	<.01	<.02	<.02	<.010	<.04	<.01
02...	<.025	E1.15	<.0158	<.01	<.03	<.02	E.032	M	<.01	<.02	<.02	<.010	<.04	<.01
*02...	<.025	.090	<.0158	<.01	<.03	<.02	.044	E.01	<.01	<.02	<.02	<.010	<.04	<.01
02...	<.025	.118	<.0158	<.01	<.03	<.02	<.010	E.01	<.01	<.02	<.02	<.010	<.04	<.01
03...	<.025	E.041	<.0158	<.01	<.03	<.02	E.034	<.03	<.01	<.02	<.02	<.010	E1.62	<.01
12...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.02	<.010	<.04	<.01
17...	<.025	<.004	<.0158	<.01	<.03	<.02	E.016	<.03	<.01	<.02	<.02	<.010	<.04	<.01
17...	E.008	<.004	<.0158	<.01	<.03	<.02	E.084	E.01	<.01	<.02	<.02	<.010	<.04	<.01
17...	<.025	E.312	<.0158	<.01	<.03	<.02	<.010	.14	<.01	<.02	<.02	<.010	<.04	<.01
17...	<.025	E.035	<.0158	<.01	<.03	<.02	<.010	.15	<.01	<.02	<.02	<.010	<.04	<.01
17...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	.16	<.01	<.02	<.02	<.010	<.04	<.01
18...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.02	<.010	<.04	<.01
24...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	M	<.01	<.02	<.02	<.010	<.04	<.01
27...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.02	<.010	<.04	<.01
JUL														
10...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.02	<.010	<.04	<.01
AUG														
27...	<.025	<.004	<.0158	<.01	<.03	<.02	E.048	<.03	<.01	<.02	<.02	<.010	<.04	<.01
SEP														
11...	<.025	<.004	<.0158	<.01	<.03	<.02	.016	<.03	<.01	<.02	<.02	<.010	E2.46	<.01
21...	<.025	.380	<.0158	<.01	<.03	<.02	.037	<.03	<.01	<.02	<.02	<.010	<.04	<.01
25...	<.025	E.238	<.0158	E.01	<.03	<.02	.013	<.03	<.01	<.02	<.02	<.010	<.04	<.01

* Replicate

E Estimated

M Presence verified, not quantified

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	SI-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04039)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET- SULAM WATER, FLTRD, GF 0.7U REC (UG/L) (61694)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)
MAR													
22...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
*22...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
APR													
30...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
MAY													
14...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
22...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
*22...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.05	<.03	<.0110	<.03
23...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.0110	<.03
JUN													
02...	<.01	<.01	<.028	<.01	E.01	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
02...	<.01	<.01	<.028	<.01	E.12	.10	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
*02...	<.01	E.02	<.028	<.01	E.02	<.01	<.01	<.01	<.03	.03	<.03	<.0110	<.03
02...	<.01	<.01	<.028	<.01	E.02	<.01	<.01	<.01	<.03	.02	<.03	<.0110	<.03
03...	<.01	<.01	<.028	<.01	E.05	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
12...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	E.06	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	E.02	.03	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	<.04	.14	.03	<.01	<.03	.06	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	<.04	<.01	.03	<.01	<.03	<.01	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	<.04	<.01	.04	<.01	<.03	<.01	<.03	<.0110	<.03
18...	<.01	<.01	<.028	<.01	<.04	<.01	.02	<.01	<.03	<.01	<.03	<.0110	<.03
24...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.0017	<.03	<.01	<.03	<.0110	<.03
27...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
JUL													
10...	<.01	<.01	<.028	<.01	E.05	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
AUG													
27...	<.01	<.01	<.028	<.01	E.02	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
SEP													
11...	<.01	<.01	<.028	<.01	E.01	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
21...	<.01	<.01	<.028	<.01	E.01	<.01	<.01	<.01	<.03	.02	<.03	<.0110	<.03
25...	<.01	<.01	<.028	<.01	E.01	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
DATE	HYDROXY ATRA- ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ- AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE- THAPYR WATER FLTRD REC (UG/L) (50407)	IMID- ACLOP- RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL OXIME WATER, FLTRD, REC (UG/L) (61696)	METH- OMYL WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET- SUL- FURON WATER, METHYL WAT FLT REC (UG/L) (61697)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)
MAR													
22...	<.193	E.034	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
*22...	<.193	E.084	<.088	<.1060	<.07	<.06	<.06	E.004	<.08	<.0102	<.08	<.1138	<.07
APR													
30...	<.193	<.103	<.088	<.1060	<.07	<.06	<.06	E.004	<.08	<.0102	<.08	<.1138	<.07
MAY													
14...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.008	<.01	<.0110	<.0044	<.0250	<.01
22...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
*22...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
23...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.004	<.01	<.0110	<.0044	<.0250	<.01
JUN													
02...	E.008	E.073	<.017	E.0591	<.01	<.02	<.01	E.009	<.01	<.0110	<.0044	<.0250	<.01
02...	<.008	E.034	<.017	E1.30	<.01	<.02	<.01	E.006	<.01	<.0110	<.0044	<.0250	<.01
*02...	<.008	E.014	<.017	.5213	<.01	<.02	<.01	E.006	<.01	<.0110	<.0044	<.0250	<.01
02...	<.008	E.020	<.017	.3730	<.01	<.02	<.01	E.005	<.01	<.0110	<.0044	<.0250	<.01
03...	<.008	<.016	<.017	E.5365	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
12...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	E.014	<.017	<.0068	<.01	<.02	<.01	E.011	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	E.802	E.073	<.0068	<.01	<.02	<.01	E.006	<.01	<.0110	<.0044	E.2163	<.01
17...	<.008	<.016	<.017	E.2533	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	<.016	<.017	E.2215	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	<.016	<.017	E.2354	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
18...	<.008	E.033	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
24...	<.008	E.093	<.017	<.0068	<.01	<.02	<.01	E.004	<.0012	<.0110	<.0044	<.0250	<.01
27...	E.006	<.016	<.017	<.0068	<.01	<.02	<.01	E.007	<.01	<.0110	<.0044	<.0250	<.01
JUL													
10...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.011	<.01	<.0110	<.0044	<.0250	<.01
AUG													
27...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.036	<.01	<.0110	<.0044	<.0250	<.01
SEP													
11...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	.021	<.01	<.0110	<.0044	<.0250	<.01
21...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.006	<.01	<.0110	<.0044	E.0568	<.01
25...	<.008	<.016	<.017	.0255	<.01	<.02	<.01	E.011	<.01	<.0110	<.0044	<.0250	<.01

* Replicate
E Estimated

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	OXAMYL WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO- MET- RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)
MAR													
22...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
*22...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
APR													
30...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
MAY													
14...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
22...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.004	<.009	<.006	<.01
*22...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	E.004	<.01	E.007	<.009	<.006	<.01
23...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.003	<.009	<.006	<.01
JUN													
02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.012	<.009	<.003	<.01
02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	E.011	<.01	E.019	<.009	<.006	<.01
*02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.027	<.009	<.006	<.01
02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.036	<.009	<.006	<.01
03...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
12...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.093	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	.339	<.01	<.017	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
18...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
24...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.036	<.01	E.010	<.009	<.006	<.01
27...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
JUL													
10...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
AUG													
27...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	E.003	<.006	<.01
SEP													
11...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.033	<.01	<.017	<.009	<.006	<.01
21...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	.014	<.006	<.01
25...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01

DATE	TRI- BENURON METHYL WATER FLTRD REC (UG/L) (61159)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
MAR			
22...	<.07	<.10	<.0915
*22...	<.07	<.10	<.0915
APR			
30...	<.07	<.10	<.0915
MAY			
14...	<.01	<.02	<.0242
22...	<.01	<.02	<.0242
*22...	<.01	<.02	<.0242
23...	<.01	<.02	<.0242
JUN			
02...	<.01	<.02	<.0242
02...	<.01	<.02	<.0242
*02...	<.01	<.02	<.0242
02...	E.02	<.02	<.0242
03...	--	<.02	<.0242
12...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
18...	<.01	<.02	<.0242
24...	<.01	<.02	<.0242
27...	<.01	<.02	<.0242
JUL			
10...	<.01	<.02	<.0242
AUG			
27...	<.01	<.02	<.0242
SEP			
11...	<.01	.07	<.0242
21...	<.01	<.02	<.0242
25...	<.01	<.02	<.0242

* Replicate
E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	1,4- NAPTHO QUINON WATER FLTRD REC (UG/L) (61611)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	2(4TERT BUTYL- PHENOXY CYCLO- HEXANOL FLT REC (UG/L) (61637)	2,5-DI- CHLORO- ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2- ETHYL- 6-METHY -PANOL WAT FLT REC (UG/L) (61615)	2AMINON ISOPROP PYLBEN ZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO -2,6- DIETHYL ACET- ANILIDE FLT REC (UG/L) (61618)	4CHLORO 2-METH- YL- PHENOL WAT FLT REC (UG/L) (61633)	4CHLORO BENZYL METHYL SULFONE WAT FLT REC (UG/L) (61634)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)	
APR	30...	1410	24	10	<.0509	<.088	<.0108	<.0261	<.1256	<.0049	<.0050	<.0056	<.0304	<.0045
MAY	14...	1200	12	10	<.0509	<.088	<.0108	<.0261	<.1256	<.0049	<.0050	<.0056	<.0304	<.0045
	22...	1440	39	10	<.0509	E.005	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
	*22...	1500	39	50	<.0509	E.005	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
JUN	02...	0225	41	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
	02...	1610	73	10	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
	*02...	1555	73	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
	03...	1040	54	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	E.0043	<.0304	<.0045
	12...	1550	11	50	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
	17...	0350	18	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
	17...	0510	77	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
	17...	0555	224	50	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
	17...	1700	244	50	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
	17...	2020	187	50	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
	18...	1710	107	50	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
	27...	1700	16	10	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
AUG	15...	1305	5.4	10	E.0032	E.024	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
SEP	11...	1455	12	10	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
	21...	1205	40	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
DATE		ANILINE 3,4-DI- CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI- CHLORO WATER FLTRD REC (UG/L) (61627)	ANILINE 3-TRI- FLUORO- METHYL WAT FLT REC (UG/L) (61630)	AZIN- PHOS- METHYL- OXON WAT FLT REC (UG/L) (61635)	BENZO- PHENONE 4,4-DI- CHLORO WAT FLT REC (UG/L) (61631)	BENZYL ALCOHOL 3-PHEN- OXY WAT FLT REC (UG/L) (61629)	BI- FENTH- RIN WATER FLTRD REC (UG/L) (61580)	CHLOR- PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	CIS- CARBOX- YATE WATER FLTRD REC (UG/L) (79842)	CIS- PROPI- CONAZ- OLE WAT FLT REC (UG/L) (79846)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)	CY- FLUTH- RIN WATER FLTRD REC (UG/L) (61585)	CYPER- METHRIN WATER FLTRD REC (UG/L) (61586)
APR	30...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
MAY	14...	E.0050	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
	22...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
	*22...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
JUN	02...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
	02...	<.0045	.0946	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
	*02...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
	03...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
	12...	.0284	.0210	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022
	17...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
	17...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
	17...	<.0029	.0608	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	.1510	<.0042	<.0011	<.0022
	17...	<.0029	.0322	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	.0201	<.0042	<.0011	<.0022
	17...	<.0029	.0437	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	.0087	<.0042	<.0011	<.0022
	18...	<.0029	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022
	27...	.0059	.0062	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022
AUG	15...	.0087	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
SEP	11...	.0065	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
	21...	.0101	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	.0091	<.0047	<.0080	<.0086

E Estimated

* Replicate

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	DICROT- OPHOS WATER FLTRD REC (UG/L) (38454)	DIMETH- OATE WATER FLTRD 0.7 U GF, REC (UG/L) (82662)	DISULF- OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF- OTON SULF- OXIDE WAT FLT REC (UG/L) (61641)	E-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79844)	ENDO- SULFAN ALPHA DISSOLV (UG/L) (34362)	ENDO- SULFAN BETA DISSOLV (UG/L) (34357)	ENDO- SULFAN ETHER WATER FLTRD REC (UG/L) (61642)	ENDO- SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	ETHION MONOXON WATER FLTRD REC (UG/L) (82346)	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI- PHOS SULFONE WATER FLTRD REC (UG/L) (61645)	FENAMI- PHOS SULF- OXIDE WAT FLT REC (UG/L) (61646)
APR 30...	<.0843	<.01	<.0159	<.0024	<.0457	<.0047	<.01	<.0041	<.0058	<.004	<.0336	<.0077	<.0310
MAY 14...	<.0843	<.01	<.0159	<.0024	<.0457	<.0047	<.01	<.0041	<.0058	<.004	<.0336	<.0077	<.0310
22...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
*22...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
JUN 02...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
02...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
*02...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
03...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
12...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
17...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
17...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
17...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
17...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
17...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
17...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
18...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
27...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
AUG 15...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
SEP 11...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
21...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
DATE	FENAMI- PHOS WATER FLTRD REC (UG/L) (61591)	FEN- THION OXIDE WAT FLT REC (UG/L) (61647)	FEN- THION WATER FLTRD REC (UG/L) (38801)	FLUME- TRALIN WATER FLTRD REC (UG/L) (61592)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	HEXA- ZINONE, WATER, DISS, REC (UG/L) (04025)	HYDROXY METHYL- PENDI- METH- LION FLT REC (UG/L) (61665)	IPRO- DIONE WATER FLTRD REC (UG/L) (61593)	ISOFEN- PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA- CYHALO- THRIN WATER FLTRD REC (UG/L) (61595)	MALA- OXON WATER FLTRD REC (UG/L) (61652)	META- LAXYL WATER FLTRD REC (UG/L) (61596)	METHI- DATHION WATER FLTRD REC (UG/L) (61598)
APR 30...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1428	<1.42	<.0034	<.0089	<.0080	E.0055	<.0058
MAY 14...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1428	<1.42	<.0034	<.0089	<.0080	.0092	<.0058
22...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
*22...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
JUN 02...	<.0290	<.0079	<.015	<.0040	<.0021	.09	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
02...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	E.2530	<.0034	<.0089	<.0080	<.0051	<.0058
*02...	<.0290	<.0079	<.015	<.0040	<.0021	.10	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
03...	<.0290	<.0079	<.015	<.0040	<.0021	.08	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
12...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041	<.0026
17...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
17...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
17...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	E.0354	<.0023	<.0017	<.0025	<.0041	<.0026
17...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041	<.0026
17...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	E.0272	<.0023	<.0017	<.0025	<.0041	<.0026
18...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041	<.0026
27...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	.0074	<.0026
AUG 15...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	.0622	<.0058
SEP 11...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	.0188	<.0058
21...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	.0061	<.0058

* Replicate
E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	MYCLO- BUTANIL WATER FLTRD REC (UG/L) (61599)	O-ETHYL O-METHY S-PROPY -HIOATE WAT FLT REC (UG/L) (61660)	OXY- FLUOR- FEN WATER FLTRD REC (UG/L) (61600)	PARA- OXON WATER FLTRD REC (UG/L) (61663)	PARA- OXON METHYL WATER FLTRD REC (UG/L) (61664)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	PHOSMET WATER FLTRD REC (UG/L) (61601)	PHOSTE- BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO- FENOFOS WATER FLTRD REC (UG/L) (61603)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROPET- AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO- TEPP WATER FLTRD REC (UG/L) (61605)
APR 30...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
MAY 14...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
22...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
*22...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
JUN 02...	.1310	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
02...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
*02...	.2320	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
03...	.1180	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
12...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
17...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
17...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
17...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
17...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
17...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
18...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
27...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
AUG 15...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
SEP 11...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
21...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
DATE	SUL- PROFOS WATER FLTRD REC (UG/L) (38716)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)	TEFLU- THRIN METAB- OLITE R119364 FLT REC (UG/L) (61671)	TEFLU- THRIN METAB- OLITE R152912 FLT REC (UG/L) (61672)	TEFLU- THRIN WATER FLTRD REC (UG/L) (61606)	TEME- PHOS WATER FLTRD REC (UG/L) (61607)	TER- BUFOS O-ANA- LOGUE WAT FLT REC (UG/L) (61674)	TER- BUTHYL- AZINE, WATER, DISS, REC (UG/L) (04022)	TRANS- CARBOX- YATE WATER FLTRD REC (UG/L) (79843)	TRANS- PROPI- CONA- ZOLE WAT FLT REC (UG/L) (79847)	TRIBU- PHOS WATER FLTRD REC (UG/L) (61610)	Z-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79845)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)
APR 30...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2669	<.0676	<.010	<.0335	<.0133	<.0044	<.0203	<.01
MAY 14...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2669	<.0676	<.010	<.0335	<.0133	<.0044	<.0203	<.01
22...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
*22...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
JUN 02...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
02...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
*02...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	M
03...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	M
12...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063	<.01
17...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
17...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
17...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	.2520	<.0016	<.0063	<.01
17...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	.0139	<.0016	<.0063	<.01
17...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	.0089	<.0016	<.0063	<.01
18...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063	<.01
27...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063	<.01
AUG 15...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
SEP 11...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
21...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	E.0089	<.0044	<.0457	<.01

* Replicate

M Presence verified, not quantified

E Estimated

HUDSON RIVER BASIN

255

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 mi².

PERIOD OF RECORD.--March 2001 to current year.

PESTICIDE DATA: 2001 (e).

REMARKS.--For many of the samples collected, analysis was performed using three analytical methods; method SH2010, method SH2060, and method SH2002. Because each of these methods share one or more pesticides, separate tables are provided so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Hudson NAWQA section near the end of this report. A sampling method code of 10 indicates an equal-width increment sample, 50 indicates a sample collected at one point in the cross section, 70 indicates a grab sample. Also published as a NAWQA water-quality miscellaneous site. And also published as a Statewide pesticide-monitored site in Volume 3, WDR NY-01.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	SAM-PLING METHOD, CODES (82398)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (82660)	ACETO-CHLOR, WATER, FLTRD REC (49260)	ALA-CHLOR, WATER, DISS, REC (46342)	ALPHA BHC, DISS, SOLVED (34253)	ATRA-ZINE, WATER, DISS, REC (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (82673)	BUTYL-ATE, WATER, DISS, REC (04028)	CAR-BARYL WATER, FLTRD 0.7 U GF, REC (82680)	CARBO-FURAN WATER, FLTRD 0.7 U GF, REC (82674)	CHLOR-PYRIFOS, DIS-SOLVED (38933)
MAR													
22...	1130	5.7	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
*22...	1131	5.7	70	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
APR													
30...	1530	2.4	70	<.002	<.004	<.002	<.005	<.007	E.004	<.002	<.041	<.020	<.005
MAY													
14...	1230	E1.0	10	<.002	<.004	<.002	<.005	E.003	<.010	<.002	<.041	<.020	<.005
*14...	1231	E1.0	10	<.002	<.004	<.002	<.005	E.002	<.010	<.002	<.041	<.020	<.005
22...	1220	6.2	70	<.002	<.004	<.002	<.005	.010	E.005	<.002	E.094	<.020	.029
*22...	1230	6.2	10	<.002	<.004	<.002	<.005	.010	E.005	<.002	E.091	<.020	.032
*22...	1250	6.2	10	<.002	<.004	<.002	<.005	.010	E.006	<.002	E.108	<.020	.028
23...	1400	3.6	10	<.002	<.004	<.002	<.005	.008	E.005	<.002	E.051	<.020	.020
JUN													
02...	1250	5.7	10	<.002	<.004	<.002	<.005	E.007	<.010	<.002	E.014	<.020	E.004
12...	1505	1.4	50	<.002	<.004	<.002	<.005	.007	<.010	<.010	<.041	<.020	<.005
17...	0330	E50	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.055	<.020	<.005
17...	0345	E50	50	<.002	<.004	<.002	<.005	.011	.013	<.002	E.134	<.020	<.005
17...	0400	E50	50	<.002	<.004	<.002	<.005	.011	E.005	<.002	E.832	<.020	<.005
17...	0415	E50	50	<.002	<.004	<.002	<.005	.010	E.006	<.002	E28	<.020	.016
18...	1600	9.7	10	<.002	<.004	<.002	<.005	E.006	<.010	<.002	E.065	<.020	<.005
23...	1200	3.5	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.008	<.020	<.005
23...	1230	19	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.018	<.020	<.005
23...	1300	41	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.391	<.020	<.005
27...	1330	2.4	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.005	<.020	<.005
*27...	1400	2.4	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.005	<.020	<.005
JUL													
04...	2330	3.4	50	<.002	<.004	<.002	<.005	E.004	<.010	<.002	E.003	<.020	<.005
05...	0010	22	50	<.002	<.004	<.002	<.005	.010	<.010	<.002	E.110	<.020	.031
05...	0050	12	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.275	<.020	.013
*05...	0055	12	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.310	<.020	.021
11...	1610	2.2	70	<.002	<.004	<.002	<.005	E.004	<.010	<.002	E.019	<.020	<.005
AUG													
13...	1930	6.8	50	<.002	<.004	<.002	<.005	E.004	<.010	<.002	E.055	<.020	.020
14...	1850	11	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.107	<.020	.042
15...	1520	1.2	70	<.002	<.004	<.002	<.005	E.004	<.010	<.002	E.009	<.020	<.005
23...	1800	14	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.141	<.020	<.005
28...	1240	1.5	70	<.002	<.004	<.002	<.005	E.004	<.010	<.002	E.004	<.020	<.005
SEP													
10...	1630	6.1	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.042	<.020	<.005
10...	1745	6.2	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.111	<.020	<.005
11...	1330	1.5	70	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.007	<.020	<.005
20...	1845	6.5	50	<.002	<.004	<.002	<.005	.180	<.010	<.002	E.109	<.020	<.005
25...	0300	6.6	50	<.002	<.004	<.002	<.005	.091	<.010	<.002	E.018	<.020	<.010
25...	0540	9.9	50	<.002	<.004	<.002	<.005	.195	<.010	<.002	E.046	<.020	<.010
25...	0740	7.2	50	<.002	<.004	<.002	<.005	.128	<.010	<.002	E.050	<.020	<.010
*25...	0746	7.2	50	<.002	<.004	<.002	<.005	.126	<.010	<.002	E.050	<.020	<.010

* Replicate

E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

DATE	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)
MAR													
22...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
*22...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
APR													
30...	<.018	<.003	E.004	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAY													
14...	<.018	<.003	E.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
*14...	<.018	<.003	E.005	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	E.004	.055	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.030
*22...	<.018	<.003	E.004	.045	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.040
*22...	<.018	<.003	E.004	.030	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.060
23...	<.018	<.003	E.005	.016	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.025
JUN													
02...	<.018	<.003	E.004	.041	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
12...	<.018	<.003	E.006	E.004	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	E.005	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.011
17...	<.018	<.003	E.005	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.137
17...	<.018	<.003	E.004	.042	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.068
17...	<.018	<.003	E.004	.174	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	2.00
18...	<.018	<.003	E.004	.062	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.009
23...	<.018	<.003	E.005	.035	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	<.006	.022	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.007
23...	<.018	<.003	<.006	.118	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.292
27...	<.018	<.003	<.006	.023	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
*27...	<.018	<.003	<.006	.024	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUL													
04...	<.018	<.003	E.004	.014	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
05...	<.018	<.003	E.005	.032	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.124
05...	<.018	<.003	E.004	.029	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.214
*05...	<.018	<.003	E.003	.032	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.203
11...	<.018	<.003	E.003	.008	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
AUG													
13...	<.018	<.003	E.003	.007	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.023
14...	<.018	<.003	<.006	<.010	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.030
15...	<.018	<.003	E.004	.017	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	<.006	.033	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.062
28...	<.018	<.003	E.003	.015	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
SEP													
10...	<.018	<.003	<.006	.024	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.053
10...	<.018	<.003	<.006	.035	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.078
11...	<.018	<.003	E.003	.012	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
20...	<.018	<.003	<.006	.067	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.081
25...	<.018	<.003	E.007	.024	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
25...	<.018	<.003	E.005	.022	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.021
25...	<.018	<.003	E.003	.027	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.020
*25...	<.018	<.003	E.003	.027	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.018

* Replicate
E Estimated

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

DATE	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER (UG/L) (39415)	METRI- BUZIN SENCOR WATER (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P, P' DDE (UG/L) (34653)	PARA- THION, DIS- (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)
MAR													
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.015
*22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.015
APR													
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.023
MAY													
14...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.020
*14...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.020
22...	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.025
*22...	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.023
*22...	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.020
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.008	<.010	<.006	<.011	.019
JUN													
02...	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.023
12...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.020
17...	<.100	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.012
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.007
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.010
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.019
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.013
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.019
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.016
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.147
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.028
*27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.028
JUL													
04...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.019
05...	<.050	<.006	E.004	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.040
05...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.025
*05...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.026
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.019
AUG													
13...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.027
14...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.020
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.019
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.026
28...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.017
SEP													
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.024
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.025
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.016
20...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.011
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.012
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.008
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
*25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004

* Replicate
E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
MAR											
22...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
*22...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
APR											
30...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	E.004
MAY											
14...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
*14...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
22...	<.004	<.010	<.011	<.023	.013	<.016	<.034	<.017	<.005	<.002	E.004
*22...	<.004	<.010	<.011	<.023	.014	<.016	<.034	<.017	<.005	<.002	E.005
*22...	<.004	<.010	<.011	<.023	.046	<.016	<.034	<.017	<.005	<.002	E.005
23...	<.004	<.010	<.011	<.023	E.010	<.016	<.034	<.017	<.005	<.002	E.004
JUN											
02...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
12...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
17...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
17...	<.004	<.010	<.011	<.023	.026	<.016	<.034	<.017	<.005	<.002	<.009
17...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
17...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	E.006
18...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	.010
27...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
*27...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
JUL											
04...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
05...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
05...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
*05...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
11...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
AUG											
13...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
14...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
15...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
23...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
28...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
SEP											
10...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
10...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
11...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
20...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
25...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
25...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
25...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
*25...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009

* Replicate

E Estimated

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO- FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)
MAR													
22...	1135	5.7	10	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
*22...	1136	5.7	70	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
APR													
30...	1535	2.4	70	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
MAY													
14...	1235	E1.0	10	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
*14...	1236	E1.0	10	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
22...	1225	6.2	70	<.009	1.00	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.003
*22...	1235	6.2	10	<.009	.98	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.004
*22...	1255	6.2	10	<.009	.73	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.005
23...	1405	3.6	10	<.009	.41	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
JUN													
02...	1255	5.7	10	<.009	.10	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
12...	1510	1.4	50	<.009	.23	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
17...	0335	E50	50	<.009	.13	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
17...	0420	E50	50	.254	E1.80	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
18...	1605	9.7	10	<.009	.05	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
23...	1205	3.5	50	<.009	.01	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
23...	1235	19	50	.296	.12	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
23...	1305	41	50	.316	.35	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
27...	1340	2.4	10	<.009	E.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
*27...	1410	2.4	10	<.009	E.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
JUL													
04...	2335	3.4	50	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
05...	0015	22	50	E.070	.91	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
11...	1615	2.2	70	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
AUG													
14...	1855	11	50	<.009	.27	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
28...	1245	1.5	70	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
SEP													
10...	1635	6.1	50	<.009	.58	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
10...	1750	6.2	50	<.009	.80	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
11...	1335	1.5	70	<.009	.05	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
20...	1850	6.5	50	<.009	.61	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	.101
25...	0305	6.6	50	<.009	.30	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.063
*25...	0306	9.9	50	<.009	.32	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.065
25...	0545	7.2	50	<.009	.58	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.145
25...	0745	7.2	50	<.009	.82	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.095

* Replicate

E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	BENDIO- CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN- SUL- FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, GF 0.7U REC (UG/L) (04029)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF- FEINE, WATER FLTRD REC (UG/L) (50305)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR- AMBEN, METHYL ESTER WATER FLTRD REC (UG/L) (61188)	CHLORI- MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)
MAR													
22...	<.061	<.022	<.0482	<.02	<.08	<.06	.087	<.06	<.06	<.11	<.037	<.05	<.04
*22...	<.061	<.022	<.0482	<.02	<.08	<.06	.105	<.06	<.06	<.11	<.037	<.05	<.04
APR													
30...	<.061	<.022	<.0482	<.02	<.08	<.06	.083	<.06	<.06	<.11	<.037	<.05	<.04
MAY													
14...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01
*14...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01
22...	<.025	E.066	<.0158	<.01	<.03	<.02	<.010	E.01	<.01	<.02	<.010	<.04	<.01
*22...	<.025	<.004	<.0158	<.01	<.03	<.02	E1.24	E.02	<.01	<.02	<.010	<.04	<.01
*22...	<.025	<.004	<.0158	<.01	<.03	<.02	E.722	E.02	<.01	<.02	<.010	<.04	<.01
23...	<.025	<.004	<.0158	<.01	<.03	<.02	.259	<.03	<.01	<.02	<.010	<.04	<.01
JUN													
02...	<.025	<.004	<.0158	<.01	<.03	<.02	E5.24	M	<.01	<.02	<.010	<.04	<.01
12...	<.025	<.004	<.0158	<.01	<.03	<.02	.055	<.03	<.01	<.02	<.010	<.04	<.01
17...	<.025	<.004	<.0158	<.01	<.03	E.01	.244	E.01	<.01	<.02	<.010	<.04	<.01
17...	<.025	<.004	<.0158	<.01	<.03	<.02	E1.17	E8.02	<.01	<.02	<.010	<.04	<.01
18...	<.025	<.004	<.0158	<.01	<.03	<.02	E.053	<.03	<.01	<.02	<.010	<.04	<.01
23...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	M	<.01	<.02	<.010	<.04	<.01
23...	<.025	<.004	<.0158	<.01	<.03	<.02	E1.69	E.01	<.01	<.02	<.010	<.04	<.01
23...	<.025	<.004	<.0158	<.01	<.03	<.02	.313	.24	<.01	<.02	<.010	<.04	<.01
27...	<.025	<.004	<.0158	<.01	<.03	<.02	.059	<.03	<.01	<.02	<.010	<.04	<.01
*27...	<.025	<.004	<.0158	<.01	<.03	<.02	.071	<.03	<.01	<.02	<.010	<.04	<.01
JUL													
04...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01
05...	<.025	E.041	<.0158	<.01	<.03	<.02	E.258	E.02	<.01	<.02	<.010	<.04	<.01
11...	<.025	<.004	<.0158	<.01	<.03	<.02	E.062	E.01	<.01	<.02	<.010	<.04	<.01
AUG													
14...	<.025	<.004	<.0158	<.01	<.03	<.02	E.274	E.04	<.01	<.02	<.010	<.04	<.01
28...	<.025	<.004	<.0158	<.01	<.03	<.02	.051	<.03	<.01	<.02	<.010	<.04	<.01
SEP													
10...	<.025	<.004	<.0158	E.03	<.03	<.02	E2.35	<.03	<.01	<.02	<.010	<.04	<.01
10...	<.025	<.004	<.0158	<.01	<.03	<.02	.860	E.01	<.01	<.02	<.010	<.04	<.01
11...	<.025	<.004	<.0158	<.01	<.03	<.02	.014	<.03	<.01	<.02	<.010	E.23	<.01
20...	<.025	<.004	<.0158	<.01	<.03	<.02	.989	.05	<.01	<.02	<.010	<.04	<.01
25...	<.025	<.004	<.0158	<.01	<.03	<.02	E.201	M	<.01	<.02	<.010	<.04	<.01
*25...	<.025	<.004	<.0158	<.01	<.03	<.02	E.217	M	<.01	<.02	<.010	<.04	<.01
25...	<.025	<.004	<.0158	<.01	<.03	<.02	E.151	E.01	<.01	<.02	<.010	<.04	<.01
25...	<.025	<.004	<.0158	<.01	<.03	<.02	E.114	E.02	<.01	<.02	<.010	<.04	.02

* Replicate

E Estimated

M Presence verified, not quantified

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	SI-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04039)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET- SULAM WATER FLTRD REC (UG/L) (61694)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)
MAR													
22...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
*22...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
APR													
30...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
MAY													
14...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
*14...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
22...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.20	<.03	<.0110	<.03
*22...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.18	<.03	<.0110	<.03
*22...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.23	<.03	<.0110	<.03
23...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.09	<.03	<.0110	<.03
JUN													
02...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.0110	<.03
12...	<.01	<.01	<.028	<.01	<.04	.05	.23	<.01	<.03	<.01	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	<.04	.06	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	<.04	.34	.21	<.01	<.03	.04	<.03	<.0110	<.03
18...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
23...	<.01	<.01	<.028	<.01	<.04	.02	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
23...	<.01	<.01	<.028	<.01	<.04	.12	.04	<.01	<.03	E4.74	<.03	<.0110	<.03
23...	<.01	<.01	<.028	<.01	<.04	.04	.03	<.01	<.03	E3.07	<.03	<.0110	<.03
27...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
*27...	<.01	<.01	<.028	M	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
JUL													
04...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
05...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.13	<.03	<.0110	<.03
11...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
AUG													
14...	<.01	<.01	<.028	<.01	<.04	<.01	.14	<.01	<.03	<.01	<.03	<.0110	<.03
28...	<.01	<.01	<.028	M	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
SEP													
10...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
10...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
11...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	M	<.03	<.0110	<.03
20...	<.01	<.01	<.028	M	<.04	<.01	<.01	<.01	<.03	.05	<.03	<.0110	<.03
25...	<.01	<.01	<.028	<.01	<.04	<.01	.16	<.01	<.03	<.01	<.03	<.0110	<.03
*25...	<.01	<.01	<.028	<.01	<.04	<.01	.20	<.01	<.03	<.01	<.03	<.0110	<.03
25...	<.01	<.01	<.028	<.01	<.04	<.01	.14	<.01	<.03	<.01	<.03	<.0110	<.03
25...	<.01	<.01	<.028	<.01	<.04	<.01	.05	<.01	<.03	<.01	<.03	<.0110	M

* Replicate

E Estimated

M Presence verified, not quantified

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	HYDROXY ATRA- ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ- AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE- THAPYR WATER FLTRD REC (UG/L) (50407)	IMID- ACLOP- RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL OXIME WATER FLTRD REC (UG/L) (61696)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)
MAR													
22...	<.193	E.051	E.012	E.0080	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
*22...	<.193	E.064	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
APR													
30...	<.193	<.103	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
MAY													
14...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
*14...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
22...	<.008	<.016	<.017	E.2624	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
*22...	<.008	E3.83	<.017	E.1789	<.01	<.02	<.01	E.010	<.01	<.0110	<.0044	E.3594	<.01
*22...	<.008	E3.05	<.017	E.2318	<.01	<.02	<.01	E.007	<.01	<.0110	<.0044	E.3509	<.01
23...	<.008	<.016	<.017	.1461	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
JUN													
02...	<.008	E.262	E.032	.0125	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.0481	<.01
12...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	E.215	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.1753	<.01
17...	<.008	E6.99	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.5746	<.01
18...	<.008	<.016	<.017	E.1031	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
23...	<.008	E.105	<.017	<.0068	<.01	<.02	<.01	<.002	<.01	<.0110	<.0044	<.0250	<.01
23...	<.008	E.131	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.1806	<.01
23...	<.008	E.116	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.2656	<.01
27...	<.008	E.005	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
*27...	<.008	<.016	<.017	.0132	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
JUL													
04...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
05...	<.008	<.016	<.017	E.1772	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
11...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
AUG													
14...	<.008	E.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
28...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.003	<.01	<.0110	<.0044	<.0250	<.01
SEP													
10...	<.008	E2.08	<.017	E.1894	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.2160	<.01
10...	<.008	E1.49	<.017	E.1394	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.1803	<.01
11...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
20...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	.020	<.01	<.0110	<.0044	<.0250	<.01
25...	<.008	E.216	<.017	E.0603	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.1657	<.01
*25...	<.008	E.222	<.017	E.0586	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.1768	<.01
25...	E.025	E1.08	<.017	E.2016	<.01	<.02	<.01	E.014	<.01	<.0110	<.0044	<.0250	<.01
25...	<.008	E.651	<.017	E.0916	<.01	<.02	<.01	E.012	<.01	<.0110	<.0044	<.0250	<.01

E Estimated

* Replicate

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U (UG/L) (49292)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	OXAMYL, WATER, FLTRD, GF 0.7U (UG/L) (38866)	PIC- LORAM, WATER, FLTRD, GF 0.7U (UG/L) (49291)	PRO- PHAM, WATER, FLTRD, GF 0.7U (UG/L) (49236)	PROP- ICONA- ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO- MET- RURON METHYL REC (UG/L) (50337)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)
MAR													
22...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
*22...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
APR													
30...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
MAY													
14...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
*14...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
22...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.039	E.026	<.006	<.01
*22...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.048	E.037	<.006	<.01
*22...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.082	E.049	<.006	<.01
23...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.019	.015	<.006	<.01
JUN													
02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.011	<.009	<.006	<.01
12...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.005	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.133	<.009	<.006	<.01
18...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
23...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.031	<.01	E.004	<.009	<.006	<.01
23...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.032	<.01	.018	.396	<.006	<.01
23...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.035	<.01	E.010	.096	<.006	<.01
27...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	E.005	<.006	<.01
*27...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	E.004	<.006	<.01
JUL													
04...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
05...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.007	<.009	<.006	<.01
11...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	E.021	<.006	<.01
AUG													
14...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.046	<.009	<.006	<.01
28...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
SEP													
10...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
10...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
11...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.035	<.01	<.017	<.009	<.006	<.01
20...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	.048	<.006	<.01
25...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.028	<.009	<.006	<.01
*25...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.035	<.009	<.006	<.01
25...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.012	<.009	<.006	<.01
25...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01

* Replicate

E Estimated

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	TRI- BENURON METHYL WATER FLTRD (UG/L) (61159)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
MAR			
22...	<.07	<.10	<.0915
*22...	<.07	<.10	<.0915
APR			
30...	<.07	<.10	<.0915
MAY			
14...	<.01	<.02	<.0242
*14...	<.01	<.02	<.0242
22...	<.01	.09	<.0242
*22...	<.01	.06	<.0242
*22...	<.01	.05	<.0242
23...	<.01	<.02	<.0242
JUN			
02...	<.01	<.02	<.0242
12...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
18...	<.01	<.02	<.0242
23...	--	<.02	<.0242
23...	--	<.02	<.0242
23...	--	<.02	<.0242
27...	<.01	<.02	<.0242
*27...	<.01	<.02	<.0242
JUL			
04...	<.01	<.02	<.0242
05...	<.01	<.02	<.0242
11...	<.01	<.02	<.0242
AUG			
14...	<.01	<.02	<.0242
28...	<.01	<.02	<.0242
SEP			
10...	<.01	<.02	<.0242
10...	<.01	<.02	<.0242
11...	<.01	<.02	<.0242
20...	<.01	<.02	<.0242
25...	<.01	<.02	<.0242
*25...	<.01	<.02	<.0242
25...	<.01	.06	<.0242
25...	<.01	.10	<.0242

METHOD SH2002

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	1,4- NAPTHO QUINON WATER FLTRD REC (UG/L) (61611)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	2(4TERT BUTYL- PHENOXY CYCLO- HEXANOL FLT REC (UG/L) (61637)	2,5-DI- CHLORO- ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2- ETHYL- 6-METHY -PANOL WAT FLT REC (UG/L) (61615)	2AMINON ISOPROP PYLBEN ZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO -2,6- DIETHYL ACET- ANILIDE FLT REC (UG/L) (61618)	4CHLORO 2-METH- YL- PHENOL WAT FLT REC (UG/L) (61633)	4CHLORO BENZYL METHYL SULFONE WAT FLT REC (UG/L) (61634)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)
APR													
30...	1540	2.4	70	<.0509	<.088	<.0108	<.0261	<.1256	<.0049	<.0050	<.0056	<.0304	<.0045
MAY													
14...	1240	E1.0	10	<.0509	<.088	<.0108	<.0261	E.0192	<.0049	<.0050	<.0056	<.0304	<.0045
*14...	1241	E1.0	10	<.0509	<.088	<.0108	<.0261	E.0215	<.0049	<.0050	<.0056	<.0304	<.0045
22...	1228	6.2	70	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
*22...	1240	6.2	10	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
*22...	1300	6.2	10	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
JUN													
02...	1300	5.7	10	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
12...	1515	1.4	50	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
17...	0340	E50	50	<.0509	E.007	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
17...	0425	E50	50	E.0166	E.436	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
18...	1610	9.7	10	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
23...	1310	41	50	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
27...	1350	2.4	10	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
JUL													
11...	1620	2.2	70	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032
AUG													
14...	1900	11	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
15...	1530	1.2	70	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
SEP													
11...	1340	1.5	70	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
20...	1855	6.5	50	<.0509	E.008	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045
25...	0550	7.2	50	E.0070	E.006	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045

* Replicate
E Estimated

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	ANILINE 3,4-DI- CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI- CHLORO WATER FLTRD REC (UG/L) (61627)	ANILINE 3-TRI- FLUORO- METHYL WAT FLT REC (UG/L) (61630)	AZIN- PHOS- METHYL- OXON WAT FLT REC (UG/L) (61635)	BENZO- PHENONE 4,4-DI- CHLORO WAT FLT REC (UG/L) (61631)	BENZYL ALCOHOL 3-PHEN- OXY WAT FLT REC (UG/L) (61629)	BI- FENTH- RIN WATER FLTRD REC (UG/L) (61580)	CHLOR- PYRIFOS OXYGEN ANALOG WAT REC (UG/L) (61636)	CIS- CARBOX- YATE WATER FLTRD REC (UG/L) (79842)	CIS- PROPI- CONAZ- OLE WAT FLT REC (UG/L) (79846)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)	CY- FLUTH- RIN WATER FLTRD REC (UG/L) (61585)	CYPER- METHRIN WATER FLTRD REC (UG/L) (61586)
APR													
30...	E.0034	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
MAY													
14...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
*14...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
22...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
*22...	.0075	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022
*22...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
JUN													
02...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
12...	<.0029	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022
17...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
17...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
18...	<.0029	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022
23...	.1290	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022
27...	<.0029	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022
JUL													
11...	<.0029	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022
AUG													
14...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
15...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
SEP													
11...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
20...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
25...	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086
DATE	DICROT- OPHOS WATER FLTRD REC (UG/L) (38454)	DIMETH- OATE WATER FLTRD GF, REC (UG/L) (82662)	DISULF- OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF- OTON SULF- OXIDE WAT FLT REC (UG/L) (61641)	E-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79844)	ENDO- SULFAN ALPHA DISSOLV (UG/L) (34362)	ENDO- SULFAN BETA DISSOLV (UG/L) (34357)	ENDO- SULFAN ETHER WATER FLTRD REC (UG/L) (61642)	ENDO- SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	ETHION DISSOLV (UG/L) (82346)	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI- PHOS SULFONE WATER FLTRD REC (UG/L) (61645)	FENAMI- PHOS SULF- OXIDE WAT FLT REC (UG/L) (61646)
APR													
30...	<.0843	<.01	<.0159	<.0024	<.0457	<.0047	<.01	<.0041	<.0058	<.004	<.0336	<.0077	<.0310
MAY													
14...	<.0843	<.01	<.0159	<.0024	<.0457	<.0047	<.01	<.0041	<.0058	<.004	<.0336	<.0077	<.0310
*14...	<.0843	<.01	<.0159	<.0024	<.0457	<.0047	<.01	<.0041	<.0058	<.004	<.0336	<.0077	<.0310
22...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
*22...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
*22...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
JUN													
02...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
12...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
17...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
17...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
18...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
23...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
27...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
JUL													
11...	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
AUG													
14...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
15...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
SEP													
11...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
20...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
25...	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310

E Estimated

* Replicate

HUDSON RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	FENAMI- PHOS WATER FLTRD REC (UG/L) (61591)	FEN- THION SULF- OXIDE WAT FLT REC (UG/L) (61647)	FEN- THION WATER FLTRD REC (UG/L) (38801)	FLUME- TRALIN WATER FLTRD REC (UG/L) (61592)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	HEXA- ZINONE, DISS, REC (UG/L) (04025)	HYDROXY METHYL- PENDI- LION FLT REC (UG/L) (61665)	IPRO- DIONE WATER FLTRD REC (UG/L) (61593)	ISO-FEN- PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA- CYHALO- THRIN WATER FLTRD REC (UG/L) (61595)	MALA- OXON WATER FLTRD REC (UG/L) (61652)	META- LAXYL WATER FLTRD REC (UG/L) (61596)	METHI- DATHION WATER FLTRD REC (UG/L) (61598)
APR													
30...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1428	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
MAY													
14...	<.0290	<.0079	<.015	<.0040	<.0021	E.01	<.1428	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
*14...	<.0290	<.0079	<.015	<.0040	<.0021	E.01	<.1428	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
22...	<.0290	<.0079	<.015	<.0040	<.0021	.06	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
*22...	<.0308	<.0041	<.007	<.0011	<.0012	.06	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041	<.0026
*22...	<.0290	<.0079	<.015	<.0040	<.0021	.06	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
JUN													
02...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
12...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041	<.0026
17...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
17...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
18...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041	<.0026
23...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041	<.0026
27...	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041	<.0026
JUL													
11...	<.0308	<.0041	<.007	<.0011	<.0012	.01	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041	<.0026
AUG													
14...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
15...	<.0290	<.0079	<.015	<.0040	<.0021	.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
SEP													
11...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
20...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051	<.0058
25...	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	.0101	<.0058
DATE	MYCLO- BUTANIL WATER FLTRD REC (UG/L) (61599)	O-ETHYL O-METHY S-PROPY -HIOATE WAT FLT REC (UG/L) (61660)	OXY- FLUOR- FEN WATER FLTRD REC (UG/L) (61600)	PARA- OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA- OXON METHYL WATER FLTRD REC (UG/L) (61664)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	PHOSMET WATER FLTRD REC (UG/L) (61601)	PHOSTE- BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO- FENOFOS WATER FLTRD REC (UG/L) (61603)	PRO- METRYN, DISS, REC (UG/L) (04036)	PRO-PET- AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO- TEPP WATER FLTRD REC (UG/L) (61605)
APR													
30...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
MAY													
14...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
*14...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
22...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
*22...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
*22...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
JUN													
02...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
12...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
17...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
17...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
18...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
23...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
27...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
JUL													
11...	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026	<.0018
AUG													
14...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
15...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
SEP													
11...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
20...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025
25...	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038	<.0025

E Estimated

* Replicate

HUDSON RIVER BASIN

267

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	SUL- PROFOS WATER FLTRD REC (UG/L) (38716)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)	TEFLU- THRIN METAB- OLITE R119364 FLT REC (UG/L) (61671)	TEFLU- THRIN METAB- OLITE R152912 FLT REC (UG/L) (61672)	TEFLU- THRIN WATER FLTRD REC (UG/L) (61606)	TEME- PHOS WATER FLTRD REC (UG/L) (61607)	TER- BUFOS O-ANA- LOGUE WAT FLT REC (UG/L) (61674)	TER- BUTHYL- AZINE, WATER, DISS, REC (UG/L) (04022)	TRANS- CARBOX- YATE WATER FLTRD REC (UG/L) (79843)	TRANS- PROPI- CONA- ZOLE WAT FLT REC (UG/L) (79847)	TRIBU- PHOS WATER FLTRD REC (UG/L) (61610)	Z-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79845)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)
APR													
30...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2669	<.0676	<.010	<.0335	<.0133	<.0044	<.0203	<.01
MAY													
14...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2669	<.0676	<.010	<.0335	<.0133	<.0044	<.0203	<.01
*14...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2669	<.0676	<.010	<.0335	<.0133	<.0044	<.0203	<.01
22...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	E.02
*22...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063	E.02
*22...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	E.01
JUN													
02...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
12...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063	<.01
17...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
17...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
18...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063	<.01
23...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063	<.01
27...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063	<.01
JUL													
11...	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063	<.01
AUG													
14...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
15...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
SEP													
11...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	<.01
20...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	E1.88
25...	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457	E.01

* Replicate

E Estimated

HUDSON RIVER BASIN

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 mi².

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 sea level, 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 ft³/s, Sept. 16, 1999, gage height, 9.42 ft, from rating curve extended above 120 ft³/s on basis of contracted-opening measurement of peak flow; minimum discharge, 0.11 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 30	1830	175	5.83	June 17	1700	*200	*6.00

Minimum discharge, 0.11 ft³/s, Sept. 6, 7, 8, 9, 10, gage height, 3.55 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	3.2	7.4	e5.4	e15	e14	97	4.9	4.4	20	.41	.28
2	7.0	3.2	6.6	e5.4	e14	13	82	4.7	44	21	.36	.22
3	6.7	3.1	5.7	e5.6	e12	12	73	4.3	54	17	.40	.16
4	6.5	3.0	5.3	e5.2	e9.8	13	66	3.8	37	14	.70	.16
5	6.6	3.1	5.2	e4.9	8.8	11	61	3.5	22	13	.57	.15
6	7.0	3.0	4.9	e4.7	9.0	13	58	3.2	17	9.1	.46	.13
7	6.8	3.0	4.6	e4.5	11	13	58	2.9	13	6.4	.34	.12
8	6.4	2.3	4.4	e4.3	8.8	13	54	2.8	10	7.8	.30	.11
9	6.2	2.0	e4.4	e4.1	8.3	12	53	2.7	8.0	8.7	.27	.12
10	6.3	13	e4.4	e4.3	11	13	62	2.6	6.4	6.5	.22	1.5
11	6.2	21	4.6	e4.4	e15	17	54	2.3	5.5	6.7	.24	8.3
12	6.2	15	5.8	e4.0	e14	18	53	2.6	5.6	5.5	.26	1.5
13	6.2	12	e5.0	e3.7	9.5	37	50	2.3	4.9	4.3	.81	.73
14	6.1	11	8.9	e3.7	9.0	62	44	2.0	4.4	3.7	2.5	6.5
15	6.0	13	12	e4.1	10	60	41	1.9	3.9	3.4	.99	4.5
16	5.8	11	8.3	e4.5	11	60	38	1.7	3.5	3.0	.55	1.6
17	5.9	10	48	e5.2	14	73	35	1.7	118	3.0	.42	.98
18	6.2	9.4	69	e5.8	e12	71	33	1.9	139	3.1	.62	.76
19	8.6	8.9	30	e7.0	e11	64	28	2.1	64	2.1	.41	.68
20	6.9	8.5	19	e10	9.4	62	19	1.8	37	1.7	.37	1.6
21	6.1	8.8	e15	e11	e10	63	17	1.7	53	1.4	.36	36
22	5.7	8.4	13	e11	e10	96	18	7.6	45	1.2	.26	20
23	5.0	7.8	e11	e10	9.6	99	11	15	36	1.0	.26	7.0
24	4.8	7.3	9.1	7.9	e9.4	82	8.4	15	69	.89	.83	4.2
25	4.6	7.2	7.7	7.2	11	80	7.3	7.3	56	.77	.37	15
26	4.7	10	6.2	e6.6	21	75	6.7	7.1	41	1.2	.27	18
27	4.7	15	5.4	6.5	e19	70	6.4	13	33	1.3	.42	8.5
28	4.5	9.5	5.3	6.2	16	65	6.0	14	27	.84	.73	5.3
29	3.8	7.8	4.7	e5.6	---	60	5.4	10	23	.70	.43	4.6
30	3.6	7.9	e8.0	e6.8	---	121	5.1	7.4	21	.60	.29	4.1
31	3.4	---	e6.0	e13	---	129	---	5.5	---	.49	.24	---
TOTAL	181.6	248.4	354.9	192.6	328.6	1591	1150.3	159.3	1005.6	170.39	15.66	152.80
MEAN	5.86	8.28	11.4	6.21	11.7	51.3	38.3	5.14	33.5	5.50	.51	5.09
MAX	8.6	21	69	13	21	129	97	15	139	21	2.5	36
MIN	3.4	2.0	4.4	3.7	8.3	11	5.1	1.7	3.5	.49	.22	.11
CFSM	.43	.61	.85	.46	.87	3.80	2.84	.38	2.48	.41	.04	.38
IN.	.50	.68	.98	.53	.91	4.38	3.17	.44	2.77	.47	.04	.42

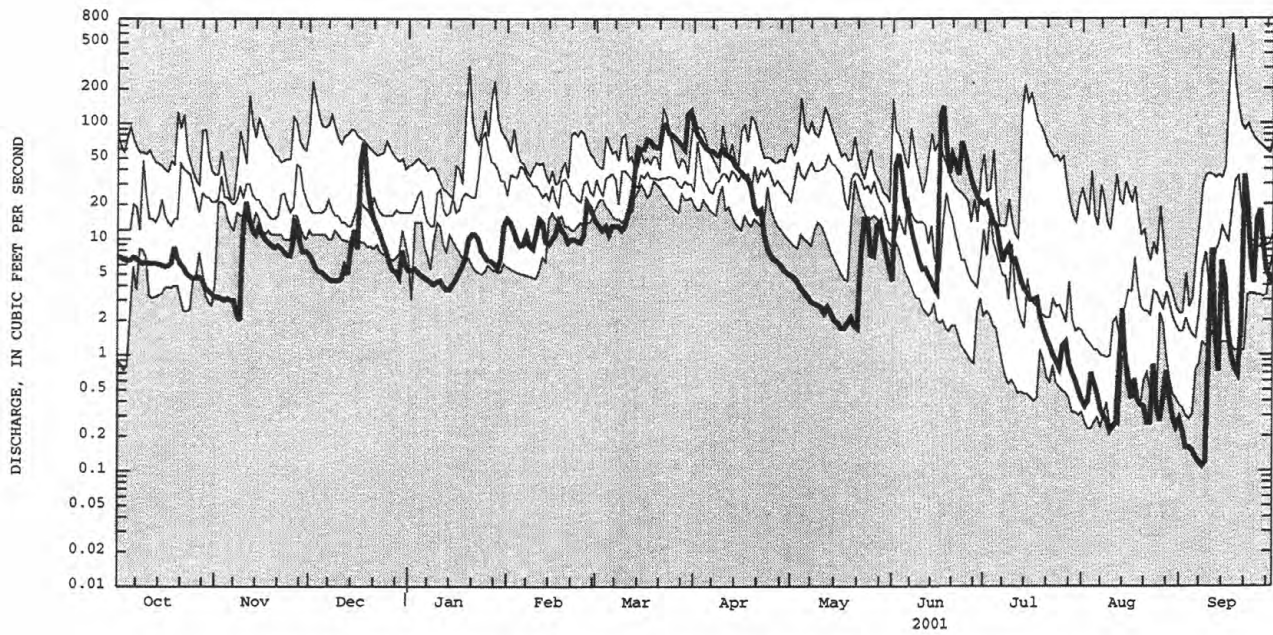
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001
MEAN	22.3	27.0	26.3	29.9	27.3	38.2
MAX	47.0	53.1	80.4	61.9	49.8	51.3
(WY)	2000	1996	1997	1996	1996	2001
MIN	5.86	8.28	9.45	6.21	11.7	27.7
(WY)	2001	2001	1999	2001	2001	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1996 - 2001
ANNUAL TOTAL	6016.4	5551.15	
ANNUAL MEAN	16.4	15.2	24.7
HIGHEST ANNUAL MEAN			35.4
LOWEST ANNUAL MEAN			15.2
HIGHEST DAILY MEAN	91	139	593
LOWEST DAILY MEAN	1.6	.11	.11
ANNUAL SEVEN-DAY MINIMUM	2.5	.14	.14
ANNUAL RUNOFF (CFSM)	1.22	1.13	1.83
ANNUAL RUNOFF (INCHES)	16.58	15.30	24.88
10 PERCENT EXCEEDS	36	53	54
50 PERCENT EXCEEDS	13	6.7	16
90 PERCENT EXCEEDS	3.8	.66	1.8

e Estimated

01374930 MUSCOOT RIVER AT BALDWIN PLACE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by Amawalk Reservoir. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 283 ft³/s, July 16, 1996, gage height, 10.02 ft, from rating curve extended above 120 ft³/s; maximum gage height, 10.42 ft, Jan. 25, 2001, from crest-stage gage; minimum discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 165 ft³/s, Jan. 25, gage height, 10.42 ft, from crest-stage gage, result of reservoir gate adjustment; minimum discharge not determined.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	13	14	15	13	12	12	14	31	16	15
2	14	14	13	14	14	12	11	12	17	28	16	15
3	14	14	13	14	15	12	12	12	16	23	16	15
4	14	14	13	14	15	12	12	12	19	20	16	15
5	14	14	13	14	15	11	12	12	22	20	16	15
6	14	14	13	14	15	11	12	12	22	19	16	15
7	14	14	13	13	15	12	12	12	21	16	16	15
8	14	14	13	13	14	12	12	12	19	15	16	14
9	14	14	13	14	14	11	12	12	17	15	16	14
10	14	14	13	14	15	11	12	12	16	15	16	14
11	14	14	13	14	15	11	12	12	16	15	16	14
12	14	14	13	14	15	11	12	12	16	15	16	14
13	14	14	13	13	15	12	15	12	16	15	16	14
14	14	14	14	14	15	11	25	12	16	15	16	14
15	14	14	13	14	15	11	35	12	16	15	16	14
16	14	14	13	14	15	11	42	12	16	15	16	14
17	14	e14	14	13	15	12	44	12	66	15	16	14
18	14	13	13	13	15	11	46	12	144	15	16	14
19	14	13	13	14	15	11	43	12	129	15	16	14
20	14	13	13	14	15	13	41	12	95	15	16	14
21	14	13	13	14	15	11	37	12	78	15	16	14
22	14	13	14	14	15	11	37	11	71	16	16	14
23	13	13	14	13	15	11	33	12	72	16	16	14
24	14	13	14	13	15	11	28	12	93	16	16	14
25	13	13	14	15	15	11	24	12	88	16	16	14
26	13	13	14	15	15	11	20	12	75	16	15	14
27	13	e13	14	15	15	11	18	12	62	16	15	14
28	14	e13	14	15	15	11	17	12	50	16	15	14
29	14	13	14	15	---	11	14	12	41	16	15	14
30	14	13	14	15	---	12	13	12	34	16	15	14
31	14	---	14	15	---	12	---	12	---	16	15	---
TOTAL	430	407	415	434	417	354	675	371	1377	527	490	427
MEAN	13.9	13.6	13.4	14.0	14.9	11.4	22.5	12.0	45.9	17.0	15.8	14.2
MAX	14	14	14	15	15	13	46	12	144	31	16	15
MIN	13	13	13	13	14	11	11	11	14	15	15	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	26.4	22.2	41.2	44.7	37.6	32.5	40.2	31.6
MAX	67.3	54.1	112	129	65.9	62.1	83.6	58.6
(WY)	2000	1997	1997	2000	1996	1999	1994	1996
MIN	9.62	8.00	10.0	8.02	14.9	11.4	12.2	12.0
(WY)	1998	1999	1998	1999	2001	2001	2000	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

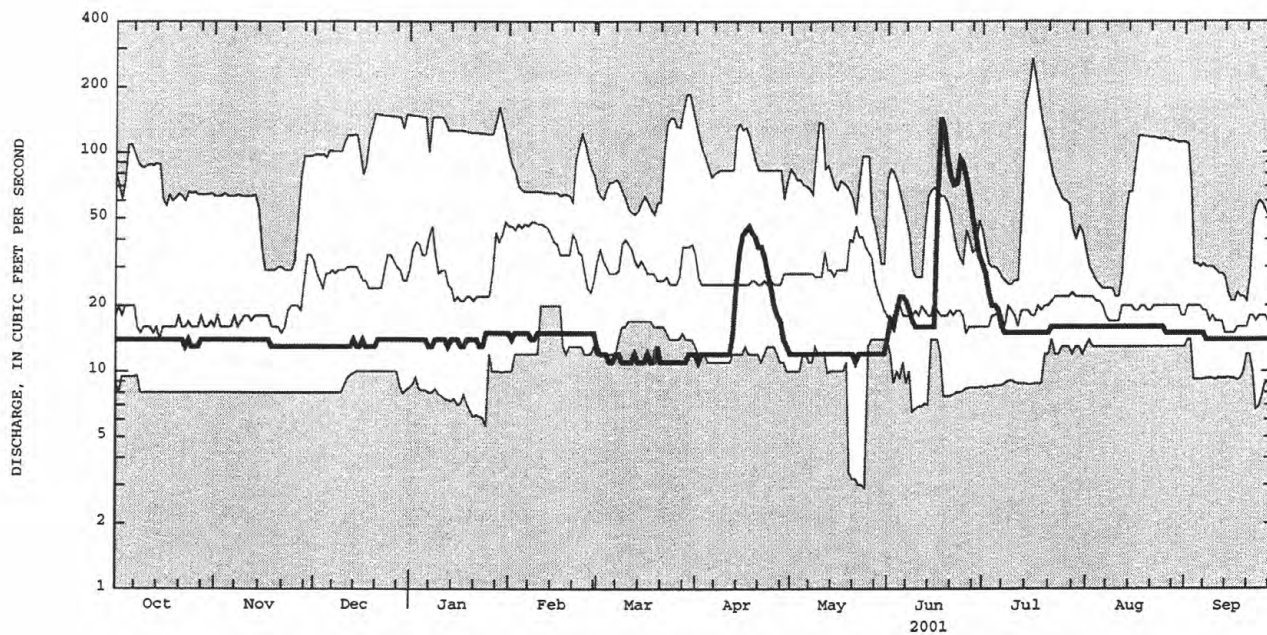
FOR 2001 WATER YEAR

WATER YEARS 1994 - 2001

ANNUAL TOTAL	9486	6324	
ANNUAL MEAN	25.9	17.3	30.5
HIGHEST ANNUAL MEAN			44.2
LOWEST ANNUAL MEAN			17.3
HIGHEST DAILY MEAN	148	Jan 1	269
LOWEST DAILY MEAN	11	Apr 5	2.9
ANNUAL SEVEN-DAY MINIMUM	11	Apr 5	4.2
10 PERCENT EXCEEDS	66		67
50 PERCENT EXCEEDS	14		20
90 PERCENT EXCEEDS	12		10

e Estimated

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.

HUDSON RIVER BASIN

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 mi².

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 sea level, from topographic map. Prior to Oct. 1, 1996, at datum 1.0 ft higher.

REMARKS.--Records fair except those for estimated daily discharges and those below 1.0 ft³/s, which are poor. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 918 ft³/s, Sept. 16, 1999, gage height, 4.94 ft, from rating curve extended above 105 ft³/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 and 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 80 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 30	1115	132	3.56	June 23	2245	90	3.20
June 17	0645	a*382	*4.23				

a From rating curve extended as explained above.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.32	1.3	2.6	6.1	5.6	20	2.5	.96	4.2	.00	.00
2	.21	.27	1.0	2.5	5.9	5.3	17	2.4	18	3.2	.00	.00
3	.21	.26	.75	2.6	4.6	5.7	14	2.0	9.2	2.4	.00	.00
4	.26	.25	.66	2.6	4.0	5.5	14	1.9	3.9	2.4	.00	.07
5	.58	.21	.70	2.5	3.1	5.4	11	1.6	2.3	4.5	.00	.01
6	.87	.27	.62	2.3	e4.0	5.3	12	1.5	1.7	3.6	.00	.00
7	.64	.26	.58	2.2	3.6	5.1	11	1.4	1.3	2.1	.00	.00
8	.59	.34	.56	2.2	3.3	4.8	9.5	1.3	1.1	4.0	.00	.00
9	.65	.36	.55	2.2	3.4	5.3	13	1.3	.92	2.6	.00	.00
10	.70	4.8	.49	e2.2	8.4	5.9	16	1.1	.79	1.8	.00	.79
11	.56	5.5	.77	2.2	e6.0	6.3	9.0	1.1	.77	2.0	.00	.29
12	.44	2.2	1.3	1.5	e3.6	6.6	11	.91	.73	1.2	.00	.00
13	.48	1.2	1.1	1.4	e3.5	21	8.2	.74	.61	.96	.02	.00
14	.56	1.7	4.7	1.3	e4.0	15	6.9	.70	.56	.85	.08	1.9
15	.63	1.9	3.3	1.8	e5.0	12	6.7	.58	.47	.69	.00	.34
16	.88	1.3	2.5	2.1	e6.0	12	6.1	.59	.41	.56	.00	.02
17	1.2	.97	28	2.2	7.0	16	6.0	.69	89	.68	.00	.00
18	2.3	.83	15	2.1	e5.0	13	5.6	.75	25	.56	.00	.00
19	1.7	.77	6.4	4.7	4.3	11	5.2	.58	8.4	.40	.00	.00
20	.83	.69	5.1	5.1	4.9	9.5	4.8	.36	5.9	.30	.06	2.2
21	.52	.66	e4.0	3.5	5.7	13	5.1	.49	6.2	.23	.00	5.3
22	.36	.60	e3.3	2.9	4.7	34	6.0	5.9	5.6	.16	.00	1.1
23	.44	.51	e2.8	2.5	4.2	25	4.7	5.7	21	.11	.01	.34
24	.39	.43	e2.5	2.4	3.7	15	4.0	3.9	26	.07	.16	.17
25	.38	.47	e2.3	2.2	7.7	14	3.4	2.2	9.2	.03	.00	4.2
26	.36	4.5	2.2	2.1	11	10	3.2	3.2	6.5	.07	.00	1.2
27	.31	3.9	2.2	2.1	8.5	8.7	3.0	3.3	5.2	.06	1.5	.47
28	.34	1.9	2.1	1.9	6.8	8.1	2.5	2.0	4.2	.01	.30	.30
29	.46	1.4	1.9	1.8	---	7.5	2.4	1.6	3.5	.00	.11	.20
30	.44	1.6	2.1	6.0	---	58	2.4	1.6	3.6	.00	.00	.18
31	.31	---	2.5	6.6	---	30	---	1.1	---	.00	.00	---
TOTAL	18.85	40.37	103.28	82.3	148.0	399.6	243.7	54.99	263.02	39.74	2.24	19.08
MEAN	.61	1.35	3.33	2.65	5.29	12.9	8.12	1.77	8.77	1.28	.072	.64
MAX	2.3	5.5	28	6.6	11	58	20	5.9	89	4.5	1.5	5.3
MIN	.21	.21	.49	1.3	3.1	4.8	2.4	.36	.41	.00	.00	.00
CFSM	.20	.45	1.11	.88	1.76	4.28	2.70	.59	2.91	.43	.02	.21
IN.	.23	.50	1.28	1.02	1.83	4.94	3.01	.68	3.25	.49	.03	.24

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

MEAN	2.95	3.32	5.62	7.08	6.50	9.25	7.84	5.45	4.11	2.85	.89	3.17
MAX	8.61	6.21	17.0	14.6	8.72	12.9	10.8	9.28	8.77	13.0	2.19	14.1
(WY)	1997	1997	1997	1996	1996	2001	1996	1998	2001	1996	2000	1999
MIN	.36	.96	.72	2.65	5.16	6.41	4.07	1.77	1.00	.11	.072	.12
(WY)	1998	1999	1999	2001	2000	1997	1999	2001	1999	1999	2001	1997

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

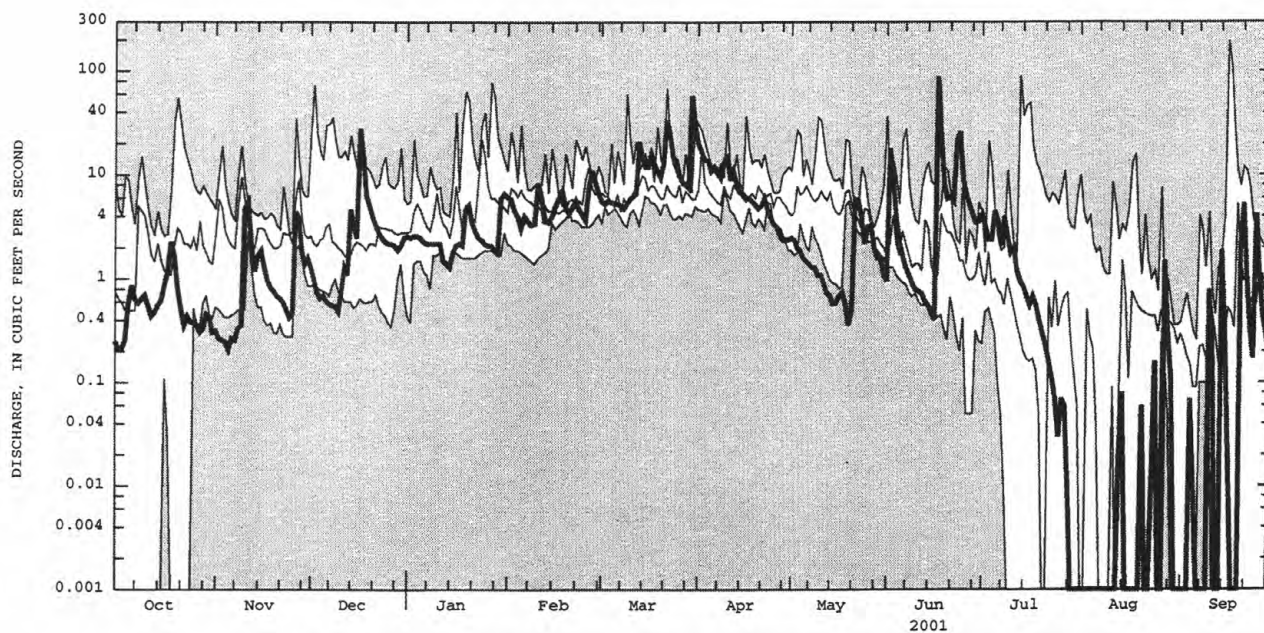
FOR 2001 WATER YEAR

WATER YEARS 1996 - 2001

ANNUAL TOTAL	1222.29	1415.17	
ANNUAL MEAN	3.34	3.88	4.54
HIGHEST ANNUAL MEAN			6.09
LOWEST ANNUAL MEAN			3.88
HIGHEST DAILY MEAN	28 Jun 7	89 Jun 17	195 Sep 16 1999
LOWEST DAILY MEAN	.17 Jul 14	.00 Jul 29	.00 Jul 20 1997
ANNUAL SEVEN-DAY MINIMUM	.21 Sep 6	.00 Jul 29	.00 Sep 16 1997
ANNUAL RUNOFF (CFSM)	1.11	1.29	1.51
ANNUAL RUNOFF (INCHES)	15.11	17.49	20.50
10 PERCENT EXCEEDS	7.3	9.2	11
50 PERCENT EXCEEDS	2.2	1.9	2.9
90 PERCENT EXCEEDS	.36	.00	.05

e Estimated

01374976 ANGLE FLY BROOK AT WHITEHALL CORNERS, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.
ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.

HUDSON RIVER BASIN

01374987 KISCO RIVER BELOW MOUNT KISCO, NY

LOCATION.--Lat 41°13'43", long 73°44'39", 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 mi².

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 sea level, 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 ft³/s, Sept. 16, 1999, gage height, 9.23 ft, from rating curve extended above 640 ft³/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 0.9 mi upstream; minimum discharge, 0.16 ft³/s, Aug. 4, 1999, gage height, 0.83 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 30	1830	320	4.40	June 17	0630	*626	*5.44

Minimum discharge, 1.7 ft³/s, Sept. 7, 8, 10, gage height, 1.40 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	6.0	12	14	46	35	101	19	10	18	3.7	8.2
2	7.8	6.0	9.7	e15	41	33	83	18	76	21	3.6	5.9
3	7.8	6.0	e8.8	e15	e36	33	72	17	83	15	3.1	3.6
4	7.4	6.3	e8.0	e14	e30	34	63	16	38	14	3.5	3.0
5	7.9	6.4	e6.8	e14	26	33	57	15	21	50	4.4	3.0
6	9.5	6.2	e6.6	e13	30	34	54	14	16	101	4.0	2.4
7	8.8	6.1	e6.2	e14	33	35	54	13	14	31	3.3	2.0
8	7.7	6.3	e6.0	15	30	33	48	12	12	29	3.0	1.7
9	7.0	6.7	e6.0	16	29	36	58	12	11	29	2.5	1.8
10	7.0	29	e6.2	16	49	40	141	12	9.6	19	2.4	7.4
11	7.1	44	e6.8	14	e47	39	70	11	8.9	19	4.0	48
12	6.7	20	10	13	e35	40	63	10	12	17	3.7	10
13	6.4	11	13	13	e32	97	57	9.5	10	13	6.2	4.4
14	6.4	11	29	12	34	92	48	8.9	9.1	11	11	23
15	6.4	19	32	14	41	68	43	8.7	8.5	10	6.7	22
16	6.4	13	16	16	44	64	40	8.3	7.7	9.3	4.4	7.2
17	6.8	9.7	108	17	52	81	40	8.7	364	11	3.6	4.5
18	9.1	8.0	124	17	e35	79	39	9.1	208	11	3.1	3.6
19	12	7.5	52	25	e32	63	34	9.6	70	8.7	2.7	3.1
20	8.1	7.0	36	43	35	55	32	8.6	42	7.6	4.8	8.6
21	6.5	6.6	31	29	41	60	33	8.4	36	6.9	8.2	53
22	5.8	6.4	25	e24	e32	170	42	36	35	6.2	5.3	25
23	5.5	5.7	e21	e21	e30	193	34	43	63	5.7	5.2	9.0
24	5.5	e5.4	e19	e18	e29	101	30	29	106	5.3	18	6.2
25	5.5	5.1	e16	17	39	81	26	18	51	4.9	7.8	36
26	5.5	28	e14	e16	68	71	24	24	34	6.3	4.6	27
27	5.5	54	13	15	49	67	23	31	28	7.8	4.9	10
28	5.8	20	13	15	41	60	22	18	24	5.9	6.8	7.2
29	5.8	13	13	19	---	54	21	14	20	5.0	4.7	6.1
30	6.0	13	e13	28	---	198	20	18	17	4.6	3.2	5.2
31	6.0	---	e13	59	---	172	---	12	---	4.1	3.3	---
TOTAL	217.7	392.4	694.1	591	1066	2251	1472	491.8	1444.8	507.3	155.7	358.1
MEAN	7.02	13.1	22.4	19.1	38.1	72.6	49.1	15.9	48.2	16.4	5.02	11.9
MAX	12	54	124	59	68	198	141	43	364	101	18	53
MIN	5.5	5.1	6.0	12	26	33	20	8.3	7.7	4.1	2.4	1.7
CFSM	.40	.74	1.27	1.08	2.16	4.13	2.79	.90	2.74	.93	.29	.68
IN.	.46	.83	1.47	1.25	2.25	4.76	3.11	1.04	3.05	1.07	.33	.76

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

	24.2	26.2	32.0	45.1	42.7	55.4	48.8	32.5	23.8	17.0	9.38	27.0
MEAN	24.2	26.2	32.0	45.1	42.7	55.4	48.8	32.5	23.8	17.0	9.38	27.0
MAX	63.6	45.0	96.0	83.1	52.0	72.6	66.5	52.6	48.2	43.7	21.3	106
(WY)	1997	1996	1997	1996	1996	2001	1996	1998	2001	1996	2000	1999
MIN	5.03	7.22	5.88	19.1	34.9	35.2	29.9	15.9	7.70	2.29	3.53	3.46
(WY)	1998	1999	1999	2001	2000	1997	1999	2001	1999	1999	1998	1998

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

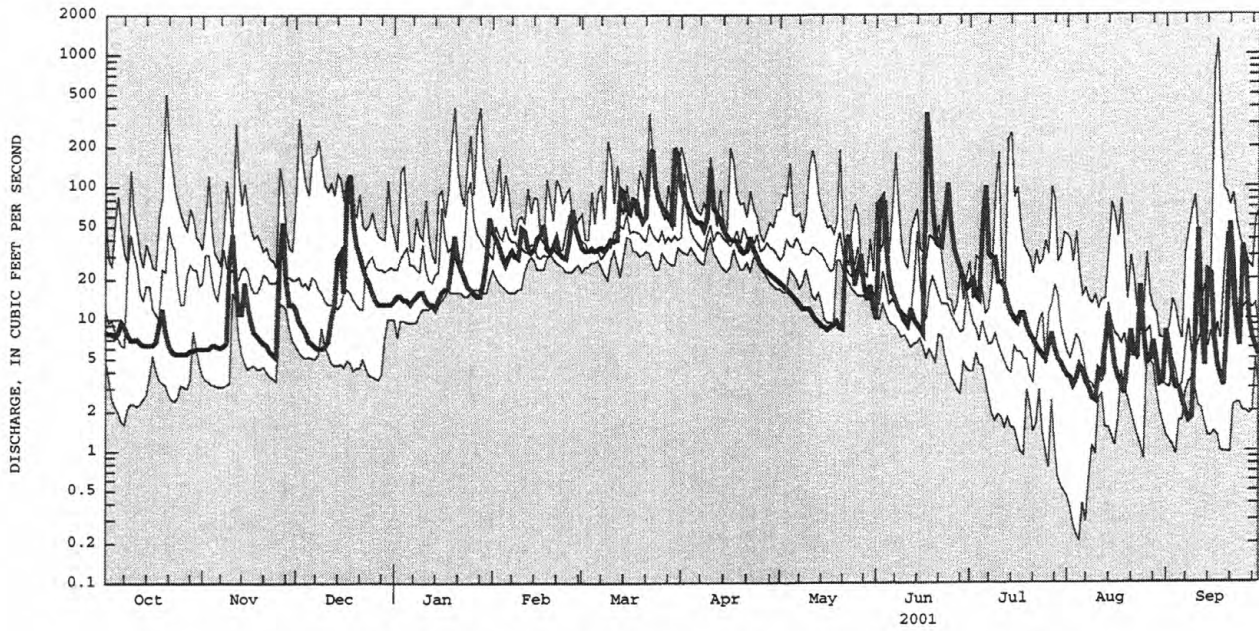
FOR 2001 WATER YEAR

WATER YEARS 1996 - 2001

ANNUAL TOTAL	9039.7	9641.9	
ANNUAL MEAN	24.7	26.4	30.6
HIGHEST ANNUAL MEAN			38.8
LOWEST ANNUAL MEAN			26.4
HIGHEST DAILY MEAN	180	364	1290
LOWEST DAILY MEAN	3.9	1.7	.21
ANNUAL SEVEN-DAY MINIMUM	5.0	2.5	.32
ANNUAL RUNOFF (CFSM)	1.40	1.50	1.74
ANNUAL RUNOFF (INCHES)	19.11	20.38	23.62
10 PERCENT EXCEEDS	47	58	65
50 PERCENT EXCEEDS	19	14	23
90 PERCENT EXCEEDS	6.1	5.0	3.6

e Estimated

01374987 KISCO RIVER BELOW MOUNT KISCO, 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.

HUDSON RIVER BASIN

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), 2000-01 (e).

ORGANIC DATA: OC--1993-94, 1996 (a).

PCB--1996 (a).

PCN--1996 (a).

NUTRIENT DATA: 1976, 1994, 1996 (a).

BIOLOGICAL DATA:

BACTERIA--1993 (a).

PHYTOPLANKTON--1993 (a).

FISH--1995 (a).

SEDIMENT DATA: 1993 (a).

REMARKS.--For many of the samples collected, analysis was performed using three analytical methods; method SH2010, method SH2060, and method SH2002. Because each of these methods share one or more pesticides, separate tables are provided so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Hudson NAWQA section near the end of this report. A sampling method code of 10 indicates an equal-width increment sample, 50 indicates a sample collected at one point in the cross section. Also published as a NAWQA water-quality miscellaneous site. And also published as a Statewide pesticide-monitored site in Volume 3, WDR NY-01.

TABLES ON FOLLOWING PAGES

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (82660)	ACETO- CHLOR, WATER FLTRD REC (49260)	ALA- CHLOR, WATER, DISS, REC (46342)	ALPHA BHC DIS- SOLVED (34253)	ATRA- ZINE, WATER, DISS, REC (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (82673)	BUTYL- ATE, WATER, DISS, REC (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (82674)	CHLOR- PYRIFOS DIS- SOLVED (38933)
OCT													
10...	1030	7.1	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
NOV													
10...	0600	21	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
10...	0900	30	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.051	<.020	<.005
10...	1330	34	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.030	<.020	<.005
11...	0100	49	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.030	<.020	<.005
11...	1045	46	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.034	<.020	<.005
27...	0800	64	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.021	<.020	<.005
27...	1240	54	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.023	<.020	<.005
DEC													
17...	0700	53	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.093	<.020	<.005
17...	0800	80	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.174	<.020	<.005
17...	0830	71	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.193	<.020	<.005
17...	1015	116	50	<.002	<.004	<.002	<.005	E.004	<.010	<.002	E.095	<.020	E.004
17...	1800	177	50	<.002	<.004	<.002	<.005	E.003	<.010	<.002	E.027	<.020	<.005
17...	2010	198	50	<.002	<.004	<.002	<.005	E.003	<.010	<.002	E.034	<.020	<.005
18...	0015	184	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.056	<.020	<.005
18...	0900	139	50	<.002	<.004	<.002	<.005	E.003	<.010	<.002	E.151	<.020	<.005
18...	1115	126	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.658	<.020	<.005
26...	1430	e14	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
FEB													
20...	1145	32	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
MAR													
21...	2240	97	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
22...	0510	140	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
22...	1500	172	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
22...	2115	241	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.008	<.020	<.005
23...	0545	243	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
23...	1230	179	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.010	<.020	<.005
APR													
30...	1600	20	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
MAY													
14...	1400	8.9	10	<.002	<.004	<.002	<.005	E.003	<.010	<.002	<.041	<.020	<.005
22...	0810	24	50	<.002	<.004	<.002	<.005	.010	<.010	<.002	E.057	<.020	<.005
22...	1600	49	50	<.002	<.004	<.002	<.005	.009	<.010	<.002	E.035	<.020	<.005
22...	2340	53	50	<.002	<.004	<.002	<.005	.009	<.010	<.002	E.027	<.020	<.005
*23...	1100	41	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.065	<.020	<.005
23...	1220	41	10	<.002	<.004	<.002	<.005	.009	<.010	<.002	E.062	<.020	<.005
JUN													
02...	0815	64	50	<.002	<.004	<.002	<.005	.009	<.010	<.002	E.049	<.020	<.005
02...	1430	94	10	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.020	<.020	<.005
*02...	1445	94	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.019	<.020	<.005
02...	1730	99	50	--	--	--	--	E.003	--	--	--	--	--
02...	2040	107	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.280	<.020	<.005
03...	1610	74	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.024	<.020	<.005
04...	1210	35	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.012	<.020	<.005
13...	0750	10	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	<.041	<.020	<.005
17...	0340	11	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.023	<.020	<.005
17...	0410	39	50	<.002	<.004	<.002	<.005	E.007	<.010	<.002	E.017	<.020	<.005
17...	0430	68	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.018	<.020	<.005
17...	0445	113	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.040	<.020	<.005
17...	0510	176	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E1.2	<.020	<.005
17...	0530	237	50	<.002	<.004	<.002	<.005	E.006	<.010	<.002	E1.6	<.020	E.004
17...	1525	581	50	<.002	<.004	<.002	<.005	.007	E.003	<.002	E.221	<.020	<.005
17...	2030	472	50	<.002	<.004	<.002	<.005	.008	E.003	<.002	E.110	<.020	<.005
18...	0010	388	50	<.002	<.004	<.002	<.005	.009	<.010	<.002	E.115	<.020	<.005
18...	0340	310	50	<.002	<.004	<.002	<.005	.009	<.010	<.002	E.114	<.020	<.005
18...	0800	245	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.128	<.020	<.005
18...	1450	163	50	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.106	<.020	<.005
23...	1200	37	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.008	<.020	<.005
23...	1245	123	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.011	<.020	<.005
27...	1530	27	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.004	<.020	<.005
JUL													
05...	2000	161	50	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.008	<.020	<.005
12...	1350	17	10	<.002	<.004	<.002	<.005	E.005	<.010	<.002	E.014	<.020	<.005
AUG													
15...	1615	6.0	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.009	<.020	<.005
27...	1730	9.8	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.005	<.020	<.005
SEP													
10...	2100	42	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.033	<.020	<.005
11...	0540	58	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.024	<.020	<.005
11...	1210	60	10	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.043	<.020	<.005
21...	1030	57	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.044	<.020	<.005
25...	0700	44	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.008	<.020	<.005
26...	0040	47	50	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.011	<.020	<.005

E Estimated
e Estimated daily
* Replicate

HUDSON RIVER BASIN

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

DATE	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN, DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (82677)	EPTC WATER FLTRD 0.7 U GF, REC (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)
OCT													
10...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
NOV													
10...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
10...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
10...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
11...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
11...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
27...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.020
27...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.051
DEC													
17...	<.018	<.003	<.006	.042	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	.036	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	.029	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	.018	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	<.006	.040	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.011
17...	<.018	<.003	<.006	.034	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.008
18...	<.018	<.003	<.006	.024	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.012
18...	<.018	<.003	E.003	.018	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.029
18...	<.018	<.003	<.006	.013	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.029
26...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
FEB													
20...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAR													
21...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
APR													
30...	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAY													
14...	<.018	<.003	E.002	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	E.005	.016	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	E.004	.014	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
22...	<.018	<.003	E.005	.011	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
*23...	<.018	<.003	E.005	.009	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	E.004	.011	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUN													
02...	<.018	<.003	E.004	.008	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
02...	<.018	<.003	E.003	.010	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
*02...	<.018	<.003	E.004	.008	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
02...	--	--	<.028	--	--	--	--	--	--	--	--	--	--
02...	<.018	<.003	E.003	.022	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
03...	<.018	<.003	E.004	.013	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
04...	<.018	<.003	E.004	.006	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
13...	<.018	<.003	E.005	.007	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	E.004	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.009
17...	<.018	<.003	E.003	.089	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.006
17...	<.018	<.003	E.003	.099	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	E.003	.024	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
17...	<.018	<.003	E.004	.036	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.172
17...	<.018	<.003	<.006	.078	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.232
17...	<.018	<.003	E.004	.209	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.017
17...	<.018	<.003	E.006	.109	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.030
18...	<.018	<.003	E.010	.084	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.072
18...	<.018	<.003	E.011	.103	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.075
18...	<.018	<.003	E.009	.089	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	.054
18...	<.018	<.003	E.007	.047	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.021
23...	<.018	<.003	<.006	.009	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
23...	<.018	<.003	<.006	.010	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
27...	<.018	<.003	<.006	.006	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JUL													
05...	<.018	<.003	E.004	.011	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
12...	<.018	<.003	E.002	E.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
AUG													
15...	<.018	<.003	<.006	.007	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
27...	<.018	<.003	<.006	E.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
SEP													
10...	<.018	<.003	<.006	.072	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
11...	<.018	<.003	<.006	.044	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
11...	<.018	<.003	<.006	.039	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
21...	<.018	<.003	<.006	.022	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
25...	<.018	<.003	<.006	.010	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
26...	<.018	<.003	<.006	.014	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027

E Estimated

* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

DATE	METHYL- AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL- PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENSOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)
OCT													
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.011
NOV													
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
DEC													
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	.039	<.006	<.011	E.006
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.030	<.006	<.011	E.006
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.050	<.006	<.011	E.005
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
FEB													
20...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.008
MAR													
21...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.003
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
APR													
30...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.007
MAY													
14...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.009
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.010
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.012
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.008	<.010	<.006	<.011	.030
*23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.006	<.010	<.006	<.011	E.013
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.008	<.007	<.008	<.010	<.006	<.011	E.014
JUN													
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.010	<.010	<.006	<.011	.015
02...	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.033
*02...	<.050	<.006	E.006	<.006	<.002	<.007	<.003	<.007	<.020	<.010	<.006	<.011	.034
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
02...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.034
03...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.020	<.010	<.006	<.011	.024
04...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.010	<.010	<.006	<.011	.017
13...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.010	<.010	<.006	<.011	E.008
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.009
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	.034	<.006	<.011	E.004
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.030	<.006	<.011	E.005
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	.047	<.006	<.011	E.003
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.085
17...	<.050	<.006	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.084
18...	<.050	<.006	E.009	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.095
18...	<.050	<.006	E.010	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.084
18...	<.050	<.006	E.009	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.067
18...	<.050	<.006	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.035
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.010
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.009
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.010
JUL													
05...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.007
12...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.010
AUG													
15...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.010
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
SEP													
10...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.007
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.030
11...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.017
21...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.009
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006

E Estimated

* Replicate

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

E Estimated
* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	2,4-D METHYL ESTER, WATER FLTRD REC (50470)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (38746)	3HYDRXY CARBO- FURAN WAT,FLT REC (49308)	3-KETO CARBO- FURAN WATER FLTRD REC (50295)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (49315)	ALDI- CARB SULFONE WAT,FLT REC (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT REC (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (49312)	ATRA- ZINE, WATER, DISS, REC (39632)
NOV													
10...	0605	21	50	<.086	E.07	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
10...	0905	30	50	<.086	.10	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
DEC													
17...	0805	80	50	<.086	E.04	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
17...	1020	116	50	<.086	.10	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
17...	1805	177	50	E.016	E.03	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
17...	2015	198	50	<.086	.10	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
18...	0905	139	50	<.086	E.09	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
26...	1435	e14	10	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
FEB													
20...	1150	32	10	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
MAR													
22...	0515	140	50	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
22...	1505	172	50	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
23...	0550	243	50	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
23...	1235	179	50	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
APR													
30...	1605	20	10	<.086	E.04	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074
MAY													
14...	1405	8.9	10	<.009	.09	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
22...	1605	49	50	<.009	.16	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.005
22...	2345	53	50	<.009	.18	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.004
*23...	1105	41	50	<.009	.12	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
23...	1225	41	10	<.009	.12	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.003
JUN													
02...	0820	64	50	<.009	.24	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.003
02...	1435	94	10	<.009	.38	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.003
*02...	1450	94	50	E.216	.39	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
02...	1730	99	50	.035	.35	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.003
02...	2045	107	50	.018	.27	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
04...	1215	35	50	.073	.34	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
13...	0755	10	50	<.009	.06	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
17...	0345	11	50	<.009	.06	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
17...	0435	68	50	<.009	.12	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
17...	0515	176	50	--	E1.29	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
17...	0535	237	50	<.009	.98	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
17...	1530	581	50	<.009	.29	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
17...	2035	472	50	<.009	.31	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
18...	0345	310	50	<.009	.25	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.004
18...	1455	163	50	<.009	.18	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
23...	1205	37	50	<.053	.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
23...	1250	123	50	<.047	E.14	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
27...	1540	27	10	<.009	E.01	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
JUL													
05...	2005	161	50	<.009	.12	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
12...	1355	17	10	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
AUG													
15...	1620	6.0	10	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
27...	1735	9.8	50	<.009	.52	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
SEP													
10...	2105	42	50	<.009	E1.21	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
11...	0545	58	50	<.009	.17	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
11...	1215	60	10	<.009	.11	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
21...	1035	57	50	<.009	.06	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
25...	0705	44	50	<.009	.14	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009
26...	0045	47	50	<.009	.06	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009

E Estimated
e Estimated daily
* Replicate

HUDSON RIVER BASIN

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	BENDIO- CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN- SUL- FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, GF 0.7U REC (UG/L) (04029)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF- FEINE, WATER FLTRD REC (UG/L) (50305)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR- AMBN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI- MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)
NOV													
10...	<.061	<.022	<.0482	<.02	<.08	<.06	E.047	<.06	<.06	<.11	<.037	<.05	<.04
10...	<.061	<.022	<.0482	<.02	<.08	<.06	E.062	E.01	<.06	<.11	<.037	<.05	<.04
DEC													
17...	<.061	<.022	<.0482	<.02	<.08	M	E.984	E.01	<.06	<.11	<.037	<.05	<.04
17...	<.061	<.022	<.0482	<.02	<.08	<.06	E.432	M	<.06	<.11	<.037	<.05	<.04
17...	<.061	<.022	<.0482	<.02	<.08	<.06	E.036	M	<.06	<.11	<.037	<.05	<.04
17...	<.061	<.022	<.0482	<.02	<.08	<.06	E.153	E.02	<.06	<.11	<.037	<.05	<.04
18...	<.061	<.022	<.0482	<.02	<.08	<.06	E.121	E.09	<.06	<.11	<.037	<.05	<.04
26...	<.061	<.022	<.0482	<.02	<.08	<.06	E.042	<.06	<.06	<.11	<.037	<.05	<.04
FEB													
20...	<.061	<.022	<.0482	<.02	<.08	<.06	E.074	<.06	<.06	<.11	<.037	<.05	<.04
MAR													
22...	<.061	<.022	<.0482	<.02	<.08	<.06	<.081	<.06	<.06	<.11	<.037	<.05	<.04
22...	<.061	<.022	<.0482	<.02	<.08	<.06	E.042	<.06	<.06	<.11	<.037	E2.30	<.04
23...	<.061	<.022	<.0482	<.02	<.08	<.06	E.049	<.06	<.06	<.11	<.037	E3.67	<.04
23...	<.061	<.022	<.0482	<.02	<.08	<.06	E.042	M	<.06	<.11	<.037	<.05	<.04
APR													
30...	<.061	<.022	<.0482	<.02	<.08	<.06	<.081	<.06	<.06	<.11	<.037	<.05	<.04
MAY													
14...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01
22...	<.025	<.004	<.0158	<.01	<.03	<.02	E.525	E.01	<.01	<.02	<.010	<.04	<.01
22...	<.025	<.004	<.0158	<.01	<.03	<.02	.231	<.03	<.01	<.02	<.010	<.04	<.01
*23...	<.025	<.004	<.0158	<.01	<.03	<.02	.194	<.03	<.01	<.02	<.010	<.04	<.01
23...	<.025	<.004	<.0158	<.01	<.03	<.02	.134	E.01	<.01	<.02	<.010	<.04	<.01
JUN													
02...	<.025	<.004	<.0158	<.01	<.03	<.02	.181	E.01	<.01	<.02	<.010	<.04	<.01
02...	<.025	<.004	<.0158	<.01	<.03	<.02	.131	E.01	<.01	<.02	<.010	<.04	<.01
*02...	<.025	<.004	<.0158	<.01	<.03	<.02	E.130	M	<.01	<.02	<.010	<.04	<.01
02...	<.025	<.004	<.0158	<.01	<.03	<.02	.104	M	<.01	<.02	<.010	E.70	<.01
02...	<.025	<.004	<.0158	<.01	<.03	<.02	.082	.08	<.01	<.02	<.010	E4.44	<.01
04...	<.025	<.004	<.0158	<.01	<.03	<.02	.058	<.03	<.01	<.02	<.010	E.18	<.01
13...	<.025	<.004	<.0158	<.01	<.03	<.02	.071	<.03	<.01	<.02	<.010	<.04	<.01
17...	<.025	<.004	<.0158	<.01	<.03	<.02	.044	<.03	<.01	<.02	<.010	<.04	<.01
17...	<.025	<.004	<.0158	<.01	<.03	<.02	.027	<.03	<.01	<.02	<.010	<.04	<.01
17...	<.025	<.004	<.0158	<.01	<.03	<.02	.051	.66	<.01	<.02	<.010	<.04	<.01
17...	<.025	<.004	<.0158	<.01	<.03	<.02	E.041	E.84	<.01	<.02	<.010	<.04	<.01
17...	<.025	<.004	<.0158	<.01	<.03	<.02	E.202	.08	<.01	<.02	<.010	E.27	<.01
17...	<.025	.083	<.0158	<.01	<.03	<.02	E.142	.04	<.01	<.02	<.010	<.04	<.01
18...	<.025	E.071	<.0158	<.01	<.03	<.02	E.052	.05	<.01	<.02	<.010	<.04	<.01
18...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	.04	<.01	<.02	<.010	<.04	<.01
23...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	M	<.01	<.02	<.010	<.04	<.01
23...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	E.01	<.01	<.02	<.010	<.04	<.01
27...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01
JUL													
05...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01
12...	<.025	<.004	<.0158	<.01	<.03	<.02	<.010	M	<.01	<.02	<.010	<.04	<.01
AUG													
15...	<.025	<.004	<.0158	<.01	<.03	<.02	.020	M	<.01	<.02	<.010	<.04	<.01
27...	<.025	E.137	<.0158	<.01	<.03	<.02	E.085	<.03	<.01	<.02	<.010	<.04	<.01
SEP													
10...	<.025	<.004	<.0158	<.01	<.03	<.02	.047	E.01	<.01	<.02	<.010	<.04	<.01
11...	<.025	<.004	<.0158	E.02	<.03	<.02	.071	M	<.01	<.02	<.010	E45.7	<.01
11...	<.025	<.004	<.0158	E.03	<.03	<.02	.031	E.01	<.01	<.02	<.010	<.04	<.01
21...	<.025	.012	<.0158	<.01	<.03	<.02	.110	.03	<.01	<.02	<.010	<.04	<.01
25...	<.025	.011	<.0158	<.01	<.03	<.02	<.010	M	<.01	<.02	<.010	<.04	<.01
26...	<.025	<.004	<.0158	E.06	<.03	<.02	E.056	<.03	<.01	<.02	<.010	<.04	<.01

E Estimated

M Presence verified, not quantified

* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	SI-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04039)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET- SULAM WATER, FLTRD, REC (UG/L) (61694)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)
NOV													
10...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	E.02	<.07	<.0866	<.06
10...	<.05	<.07	<.087	<.06	<.07	<.10	.09	<.04	<.06	E.03	<.07	<.0866	<.06
DEC													
17...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	E.01	<.08	<.07	<.0866	E.01
17...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	E.01	<.08	<.07	<.0866	E.01
17...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	M
17...	<.05	<.07	<.087	<.06	<.07	<.10	.05	<.04	E.01	<.08	<.07	<.0866	E.01
18...	<.05	<.07	<.087	<.06	<.07	<.10	E.05	<.04	E.01	<.08	<.07	<.0866	E.01
26...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
FEB													
20...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
MAR													
22...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
22...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
23...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
23...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
APR													
30...	<.05	<.07	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06
MAY													
14...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.03	<.03	<.0110	<.03
22...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.14	<.03	<.0110	<.03
22...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.27	<.03	<.0110	<.03
*23...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.14	<.03	<.0110	<.03
23...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.33	<.03	<.0110	<.03
JUN													
02...	<.01	<.01	<.028	<.01	<.04	.03	<.01	<.01	<.03	.05	<.03	<.0110	<.03
02...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.10	<.03	<.0110	<.03
*02...	<.01	<.01	<.028	<.01	<.04	E.04	<.01	<.01	<.03	E.10	<.03	<.0110	<.03
02...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.10	<.03	<.0110	<.03
02...	<.01	<.01	<.028	<.01	<.04	<.01	.03	<.01	<.03	.10	<.03	<.0110	<.03
04...	<.01	<.01	<.028	<.01	<.04	<.01	.02	<.01	<.03	.11	<.03	<.0110	<.03
13...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	<.04	<.01	.09	<.01	<.03	<.01	<.03	<.0110	<.03
17...	--	<.01	<.028	<.01	<.04	<.01	.17	<.01	<.03	.02	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	<.04	.10	<.01	<.01	<.03	E.02	<.03	<.0110	<.03
17...	<.01	<.01	<.028	<.01	<.04	<.01	.07	<.01	<.03	.18	<.03	<.0110	<.03
17...	<.01	.02	<.028	<.01	<.04	<.01	.06	<.01	<.03	.15	<.03	<.0110	<.03
18...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.20	<.03	<.0110	<.03
18...	<.01	<.01	E.004	<.01	<.04	.02	<.01	<.01	<.03	.14	<.03	<.0110	<.03
23...	<.01	<.01	<.028	<.01	<.04	.01	.01	<.01	<.03	.02	<.03	<.0110	<.03
23...	<.01	<.01	<.028	<.01	<.04	E.10	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
27...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.0110	<.03
JUL													
05...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
12...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
AUG													
15...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
27...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
SEP													
10...	<.01	<.01	<.028	<.01	<.04	<.01	.03	<.01	<.03	<.01	<.03	<.0110	E.01
11...	<.01	<.01	<.028	<.01	<.04	.07	E.01	<.01	<.03	.03	<.03	<.0110	<.03
11...	<.01	<.01	<.028	<.01	<.04	.07	E.01	<.01	<.03	.02	<.03	<.0110	<.03
21...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.04	<.03	<.0110	<.03
25...	<.01	<.01	<.028	<.01	<.04	<.01	.03	<.01	<.03	<.01	<.03	<.0110	E.01
26...	<.01	<.01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03

E Estimated

M Presence verified, not quantified

* Replicate

HUDSON RIVER BASIN

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	HYDROXY ATRA- ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ- AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE- THAPYR WATER FLTRD REC (UG/L) (50407)	IMID- ACLOP- RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL OXIME WATER FLTRD REC (UG/L) (61696)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)
NOV													
10...	<.193	<.103	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
10...	<.193	<.103	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
DEC													
17...	<.193	E.854	<.088	E.0584	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
17...	<.193	E.641	<.088	E.0555	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
17...	<.193	E.124	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
17...	<.193	E.529	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	E.0059	<.08	<.1138	<.07
18...	<.193	E.238	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
26...	<.193	<.103	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
FEB													
20...	<.193	<.103	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
MAR													
22...	<.193	E.213	E.068	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
22...	<.193	E.077	E.037	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
*23...	<.193	E.101	E.059	E.0144	<.07	<.06	<.06	E.004	<.08	<.0102	<.08	<.1138	<.07
23...	<.193	<.103	<.088	E.0178	<.07	<.06	<.06	E.005	<.08	<.0102	<.08	<.1138	<.07
APR													
30...	<.193	<.103	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07
MAY													
14...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
22...	<.008	E1.24	<.017	E.0415	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.3131	<.01
22...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.006	<.01	<.0110	<.0044	<.0250	<.01
23...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
23...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.005	<.01	<.0110	<.0044	<.0250	<.01
JUN													
02...	<.008	E.352	<.017	.0337	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.0996	<.01
02...	<.008	E.276	<.017	.3759	<.01	<.02	<.01	E.005	<.01	<.0110	<.0044	E.0689	<.01
*02...	<.008	E.014	<.017	E.4786	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
02...	<.008	E.114	<.017	.6153	<.01	<.02	<.01	E.010	<.01	<.0110	<.0044	E.0782	<.01
02...	<.008	E.225	<.017	.6085	<.01	<.02	<.01	E.005	<.01	<.0110	<.0044	E.0803	<.01
04...	<.008	E.009	<.017	.1970	<.01	.02	<.01	E.005	<.01	<.0110	<.0044	<.0250	<.01
13...	<.008	<.016	<.017	.0608	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	E.167	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	E.068	E.022	.0411	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	E.187	<.017	.4848	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	E.166	<.017	E.8032	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
17...	<.008	E.200	<.017	E.2749	<.01	<.02	<.01	E.012	<.01	<.0110	<.0044	<.0250	<.01
17...	E.004	E.088	<.017	E.2300	<.01	<.02	<.01	E.020	<.01	<.0110	<.0044	<.0250	<.01
18...	<.008	E.075	<.017	.2216	<.01	<.02	<.01	E.014	<.01	<.0110	<.0044	<.0250	<.01
18...	<.008	E.115	<.017	.1798	<.01	<.02	<.01	E.008	<.01	<.0110	<.0044	<.0250	<.01
23...	<.008	E.029	<.017	.0339	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
23...	<.008	E.078	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
27...	E.009	E.007	<.017	.0329	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
JUL													
05...	<.008	<.016	<.017	.1136	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
12...	<.008	<.016	<.017	.0502	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
AUG													
15...	E.011	<.016	<.017	<.0068	<.01	<.02	<.01	.096	<.01	<.0110	<.0044	<.0250	<.01
27...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.010	<.01	<.0110	<.0044	<.0250	<.01
SEP													
10...	<.008	E.099	<.017	.0213	<.01	E.01	<.01	<.020	<.01	<.0110	<.0044	E.0397	<.01
11...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.007	<.01	<.0110	<.0044	E.0516	<.01
11...	<.008	E.002	<.017	.0126	<.01	<.02	<.01	E.007	<.01	<.0110	<.0044	E.0167	<.01
21...	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01
25...	<.008	E.026	E.034	.0523	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	E.0279	<.01
26...	<.008	<.016	<.017	<.0068	<.01	.02	<.01	E.007	<.01	<.0110	<.0044	<.0250	<.01

E Estimated

* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE, WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO- MET- RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)
NOV													
10...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
10...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
DEC													
17...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	E.006	<.039	<.077	<.10
17...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	E.005	<.039	<.077	<.10
17...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
17...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	E.007	<.039	<.077	<.10
18...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	E.007	<.039	<.077	<.10
26...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
FEB													
20...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	E.009	<.077	<.10
MAR													
22...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
22...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
23...	<.065	<.08	<.07	E.053	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
23...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
APR													
30...	<.065	<.08	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10
MAY													
14...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
22...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.016	E.037	<.006	<.01
22...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.013	.194	<.006	<.01
*23...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	.015	<.006	<.01
23...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.013	.193	<.006	<.01
JUN													
02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.016	<.009	<.006	<.01
02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.017	.058	<.006	<.01
*02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.017	E.025	<.006	<.01
02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.013	.047	<.006	<.01
02...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.013	.028	<.006	<.01
04...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.025	.034	<.006	<.01
13...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
17...	<.013	<.02	--	<.013	<.01	<.02	<.01	--	<.01	.033	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.018	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.030	<.009	<.006	<.01
17...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.068	E.016	<.006	<.01
18...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.072	.023	<.006	<.01
18...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	.040	.023	<.006	<.01
23...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.031	<.01	E.005	<.009	<.006	<.01
23...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.030	<.01	<.003	<.009	<.006	<.01
27...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.008	E.004	<.006	<.01
JUL													
05...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	.153	<.006	<.01
12...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	.018	<.006	<.01
AUG													
15...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
27...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
SEP													
10...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.052	<.01	<.017	E.004	<.006	<.01
11...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.051	<.01	<.017	<.009	<.006	<.01
11...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.039	<.01	<.017	<.009	<.006	<.01
21...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01
25...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	E.003	<.01
26...	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01

E Estimated

* Replicate

HUDSON RIVER BASIN

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	TRI- BENURON METHYL WATER FLTRD (UG/L) (61159)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
NOV			
10...	<.07	<.10	<.0915
10...	<.07	<.10	<.0915
DEC			
17...	<.07	<.10	<.0915
17...	<.07	<.10	<.0915
17...	<.07	<.10	<.0915
17...	<.07	<.10	<.0915
18...	<.07	<.10	<.0915
26...	<.07	<.10	<.0915
FEB			
20...	<.07	<.10	<.0915
MAR			
22...	<.07	<.10	<.0915
22...	<.07	<.10	<.0915
23...	<.07	<.10	<.0915
23...	<.07	<.10	<.0915
APR			
30...	<.07	<.10	<.0915
MAY			
14...	<.01	<.02	<.0242
22...	<.01	<.02	<.0242
22...	<.01	<.02	<.0242
*23...	<.01	<.02	<.0242
23...	<.01	<.02	<.0242
JUN			
02...	<.01	<.02	<.0242
02...	<.01	<.02	<.0242
*02...	<.01	<.02	<.0242
02...	--	<.02	<.0242
02...	--	<.02	<.0242
04...	--	.03	<.0242
13...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
17...	<.01	.03	<.0242
17...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
17...	<.01	<.02	<.0242
17...	<.01	.03	<.0242
18...	<.01	.04	<.0242
18...	<.01	.03	<.0242
23...	--	<.02	<.0242
23...	--	<.02	<.0242
27...	<.01	<.02	<.0242
JUL			
05...	<.01	<.02	<.0242
12...	<.01	<.02	<.0242
AUG			
15...	<.01	<.02	<.0242
27...	<.01	<.02	<.0242
SEP			
10...	<.01	<.02	<.0242
11...	<.01	<.02	<.0242
11...	<.01	<.02	<.0242
21...	<.01	<.02	<.0242
25...	<.01	<.02	<.0242
26...	<.01	<.02	<.0242

* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002

DATE	TIME	RECORD NUMBER	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	1,4- NAPHTHO QUINON WATER FLTRD REC (61611)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (49295)	2(4TERT BUTYL- PHENOXY CYCLO- HEXANOL FLT REC (61637)	2,5-DI- CHLORO- ANILINE WATER FLTRD REC (61614)	2-[2- ETHYL- 6-METHY -PANOL REC (61615)	2AMINON ISOPROP PYLBEN ZAMIDE REC (61617)	2CHLORO -2,6- DIETHYL ACET- ANILIDE FLT REC (61618)	4CHLORO 2-METH- YL- PHENOL WAT FLT REC (61633)	4CHLORO BENZYL METHYL SULFONE WAT FLT REC (61634)
NOV													
10...	0910	00100105	30	50	E.0074	<.005	<.0160	<.0050	<.0160	<.0050	<.0080	<.0050	<.0080
DEC													
17...	0810	00100233	80	50	E.0053	<.005	<.0160	<.0050	<.0160	<.0050	<.0080	<.0050	<.0080
17...	1025	00100237	116	50	E.0045	<.005	<.0160	<.0050	<.0160	<.0050	<.0080	<.0050	<.0080
17...	1810	00100240	177	50	E.0053	E.006	<.0160	<.0050	<.0160	<.0050	<.0080	<.0050	<.0080
17...	2020	00100260	198	50	E.0065	E.004	<.0160	<.0050	<.0160	<.0050	<.0080	<.0050	<.0080
18...	0910	00100264	139	50	E.0067	.012	<.0160	<.0050	<.0160	<.0050	<.0080	<.0050	<.0080
26...	1440	00100290	e14	10	<.0080	<.005	<.0160	<.0050	<.0160	<.0050	<.0080	<.0050	<.0080
FEB													
20...	1155	00100743	32	10	<.0509	<.088	<.0108	<.0261	<.1256	<.0049	<.0050	<.0056	<.0304
APR													
30...	1610	00101438	20	10	<.0509	<.088	<.0108	<.0261	<.1256	<.0049	<.0050	<.0056	<.0304
MAY													
14...	1410	00101781	8.9	10	<.0509	<.088	<.0108	<.0261	<.1256	<.0049	<.0050	<.0056	<.0304
22...	1610	00101915	49	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
22...	2350	00101902	53	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
JUN													
02...	0825	00102001	64	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
02...	1440	00101983	94	10	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
*02...	1455	00101986	94	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
02...	2050	00101994	107	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
04...	1220	00101998	35	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
13...	0800	00102184	10	50	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167
17...	0350	00102187	11	50	E.0052	E.005	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
17...	0440	00102233	68	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
17...	1535	00102265	581	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
17...	2040	00102271	472	50	<.0509	E.006	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
18...	0350	00102275	310	50	<.0509	E.006	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
18...	1500	00102279	163	50	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
23...	1255	00102392	123	50	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167
27...	1550	00102407	27	10	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167
JUL													
12...	1400	00102687	17	10	<.0166	<.073	<.0080	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167
AUG													
15...	1625	00103147	6.0	10	<.0509	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
SEP													
11...	1220	00103347	60	10	E.0035	<.088	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304
21...	1040	00103435	57	50	<.0509	E.007	<.0108	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304

E Estimated
e Estimated daily
* Replicate

HUDSON RIVER BASIN

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)	ANILINE 3,4-DI- CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI- CHLORO WATER FLTRD REC (UG/L) (61627)	ANILINE 3-TRI- FLUORO- METHYL WAT FLT REC (UG/L) (61630)	AZIN- PHOS- METHYL- OXON WAT FLT REC (UG/L) (61635)	BENZO- PHENONE 4,4-DI- CHLORO WAT FLT REC (UG/L) (61631)	BENZYL ALCOHOL 3-PHEN- OXY WAT FLT REC (UG/L) (61629)	BI- FENTH- RIN WATER FLTRD REC (UG/L) (61580)	CHLOR- PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	CIS- CARBOX- YATE WATER FLTRD REC (UG/L) (79842)	CIS- PROPI- CONAZ- OLE WAT FLT REC (UG/L) (79846)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)	CY- FLUTH- RIN WATER FLTRD REC (UG/L) (61585)
NOV													
10...	<.0050	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310
DEC													
17...	<.0050	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310
17...	<.0050	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310
17...	<.0050	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310
17...	<.0050	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310
18...	<.0050	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310
26...	<.0050	<.0080	<.0050	<.0050	<.0310	<.0080	<.0310	<.0050	<.0160	<.0160	<.0050	<.02	<.0310
FEB													
20...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
APR													
30...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
MAY													
14...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
22...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
22...	<.0045	.0170	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
JUN													
02...	<.0045	<.0045	.0717	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
02...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
*02...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
02...	<.0045	<.0045	.1630	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
04...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
13...	<.0032	<.0029	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011
17...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
17...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
17...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
17...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
17...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
18...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
18...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
23...	<.0032	<.0029	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011
27...	<.0032	<.0029	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011
JUL													
12...	<.0032	<.0029	<.0036	<.0033	<.0016	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011
AUG													
15...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
SEP													
11...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080
21...	<.0045	<.0045	<.0047	<.0108	<.0160	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080

* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	CYPER- METHRIN WATER FLTRD REC (UG/L) (61586)	DICROT- OPHOS WATER FLTRD REC (UG/L) (38454)	DIMETH- OATE WATER FLTRD GF, REC (UG/L) (82662)	DISULF- OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF- OTON SULF- OXIDE WAT FLT REC (UG/L) (61641)	E-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79844)	ENDO- SULFAN ALPHA DISSOLV (UG/L) (34362)	ENDO- SULFAN BETA DISSOLV (UG/L) (34357)	ENDO- SULFAN ETHER WATER FLTRD REC (UG/L) (61642)	ENDO- SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	ETHION DISSOLV (UG/L) (82346)	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI- PHOS SULFONE WATER FLTRD REC (UG/L) (61645)
NOV													
10...	<.0310	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080
DEC													
17...	<.0310	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080
17...	<.0310	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080
17...	<.0310	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080
17...	<.0310	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080
18...	<.0310	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080
26...	<.0310	<.0160	<.01	<.0050	<.0160	<.0310	<.02	<.02	<.0160	<.0080	<.01	<.0080	<.0080
FEB													
20...	<.0086	<.0843	<.01	<.0159	<.0024	<.0457	<.0047	<.01	<.0041	<.0058	<.004	<.0336	<.0077
APR													
30...	<.0086	<.0843	<.01	<.0159	<.0024	<.0457	<.0047	<.01	<.0041	<.0058	<.004	<.0336	<.0077
MAY													
14...	<.0086	<.0843	<.01	<.0159	<.0024	<.0457	<.0047	<.01	<.0041	<.0058	<.004	<.0336	<.0077
22...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
22...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
JUN													
02...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
02...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
*02...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
02...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
04...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
13...	<.0022	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028
17...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
17...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
17...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
17...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
18...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
18...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
23...	<.0022	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028
27...	<.0022	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028
JUL													
12...	<.0022	<.0333	<.0021	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028
AUG													
15...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
SEP													
11...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077
21...	<.0086	<.0843	<.01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077

* Replicate

HUDSON RIVER BASIN

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	FENAMI- PHOS SULF- OXIDE WAT FLT REC (UG/L) (61646)	FENAMI- PHOS WATER FLTRD REC (UG/L) (61591)	FEN- THION SULF- OXIDE WAT FLT REC (UG/L) (61647)	FEN- THION WATER FLTRD REC (UG/L) (38801)	FLUME- TRALIN WATER FLTRD REC (UG/L) (61592)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	HEXA- ZINONE, WATER, DISS, REC (UG/L) (04025)	HYDROXY METHYL- PENDI- METH- LION FLT REC (UG/L) (61665)	I PRO- DIONE WATER FLTRD REC (UG/L) (61593)	ISO FEN- PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA- CYHALO- THRIN WATER FLTRD REC (UG/L) (61595)	MALA- OXON WATER FLTRD REC (UG/L) (61652)	META- LAXYL WATER FLTRD REC (UG/L) (61596)
NOV													
10...	<.0310	<.0160	<.0080	<.005	<.0160	<.0160	<.01	<.0310	<.0310	<.0080	<.0080	<.0160	<.0160
DEC													
17...	<.0310	<.0160	<.0080	<.005	<.0160	<.0160	<.01	<.0310	<.0310	<.0080	<.0080	<.0160	<.0160
17...	<.0310	<.0160	<.0080	<.005	<.0160	<.0160	<.01	<.0310	<.0310	<.0080	<.0080	<.0160	<.0160
17...	<.0310	<.0160	<.0080	<.005	<.0160	<.0160	<.01	<.0310	<.0310	<.0080	<.0080	<.0160	<.0160
17...	<.0310	<.0160	<.0080	<.005	<.0160	<.0160	M	<.0310	<.0310	<.0080	<.0080	<.0160	E.0082
18...	<.0310	<.0160	<.0080	<.005	<.0160	<.0160	E.01	<.0310	<.0310	<.0080	<.0080	<.0160	<.0160
26...	<.0310	<.0160	<.0080	<.005	<.0160	<.0160	M	<.0310	<.0310	<.0080	<.0080	<.0160	<.0160
FEB													
20...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1428	<1.42	<.0034	<.0089	<.0080	<.0051
APR													
30...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1428	<1.42	<.0034	<.0089	<.0080	<.0051
MAY													
14...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.02	<.1428	<1.42	<.0034	<.0089	<.0080	<.0051
22...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.07	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
22...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.25	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
JUN													
02...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	E.1740	<.0034	<.0089	<.0080	<.0051
02...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
*02...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.03	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
02...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	E.2230	<.0034	<.0089	<.0080	<.0051
04...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.10	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
13...	<.0009	<.0308	<.0041	<.007	<.0011	<.0012	.01	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041
17...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
17...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
17...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.02	<.1430	<1.42	<.0034	<.0089	<.0080	.0077
17...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.05	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
18...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.08	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
18...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.07	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051
23...	<.0009	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041
27...	<.0009	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041
JUL													
12...	<.0009	<.0308	<.0041	<.007	<.0011	<.0012	.01	<.0909	<1.49	<.0023	<.0017	<.0025	<.0041
AUG													
15...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.02	<.1430	<1.42	<.0034	<.0089	<.0080	.0730
SEP													
11...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	.01	<.1430	<1.42	<.0034	<.0089	<.0080	.0168
21...	<.0310	<.0290	<.0079	<.015	<.0040	<.0021	E.01	<.1430	<1.42	<.0034	<.0089	<.0080	<.0051

M Presence verified, not quantified

E Estimated

* Replicate

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	METHI- DATHION WATER FLTRD REC (UG/L) (61598)	MYCLO- BUTANIL WATER FLTRD REC (UG/L) (61599)	O-ETHYL O-METHY S-PROPY -HIOATE WAT FLT REC (UG/L) (61660)	OXY- FLUOR- FEN WATER FLTRD REC (UG/L) (61600)	PARA- OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA- OXON METHYL WATER FLTRD REC (UG/L) (61664)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	PHOSMET WATER FLTRD REC (UG/L) (61601)	PHOSTE- BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO- FENOFOS WATER FLTRD REC (UG/L) (61603)	PRO- METRYN, DISS, WATER, REC (UG/L) (04036)	PROPET- AMPHOS WATER FLTRD REC (UG/L) (61604)
NOV													
10...	<.0080	<.0080	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160
DEC													
17...	<.0080	<.0080	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160
17...	<.0080	<.0080	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160
17...	<.0080	.0121	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160
17...	<.0080	.0213	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160
18...	<.0080	.0163	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160
26...	<.0080	E.0068	<.0050	<.0160	<.0310	<.0310	<.0310	<.0160	<.0080	<.0080	<.0080	<.01	<.0160
FEB													
20...	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
APR													
30...	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
MAY													
14...	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
22...	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
22...	<.0058	.3400	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
JUN													
02...	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
02...	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
*02...	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
02...	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
04...	<.0058	.1060	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
13...	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026
17...	<.0058	.0235	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
17...	<.0058	.0168	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
17...	<.0058	.2240	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
17...	<.0058	.1320	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
18...	<.0058	.1280	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
18...	<.0058	.1070	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
23...	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026
27...	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026
JUL													
12...	<.0026	.0162	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040	<.0027	<.0040	<.0026
AUG													
15...	<.0058	.0232	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
SEP													
11...	<.0058	.0307	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038
21...	<.0058	.0133	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055	<.0059	<.01	<.0038

E Estimated
* Replicate

HUDSON RIVER BASIN

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	SULFO- TEPP WATER FLTRD REC (UG/L) (61605)	SUL- PROFOS WATER FLTRD REC (UG/L) (38716)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)	TEFLU- THRIN METAB- OLITE R119364 FLT REC (UG/L) (61671)	TEFLU- THRIN METAB- OLITE R152912 FLT REC (UG/L) (61672)	TEFLU- THRIN WATER FLTRD REC (UG/L) (61606)	TEME- PHOS WATER FLTRD REC (UG/L) (61607)	TER- BUFOS O-ANA- LOGUE WAT FLT REC (UG/L) (61674)	TER- BUTHYL- AZINE, WATER, DISS, REC (UG/L) (04022)	TRANS- CARBOX- YATE WATER FLTRD REC (UG/L) (79843)	TRANS- PROPI- CONA- ZOLE WAT FLT REC (UG/L) (79847)	TRIBU- PHOS WATER FLTRD REC (UG/L) (61610)	Z-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79845)
NOV													
10...	<.0050	<.0050	<.0160	<.0050	<.0080	<.0080	<.0310	<.0160	<.005	<.0160	<.0050	<.0160	<.0310
DEC													
17...	<.0050	<.0050	<.0160	<.0050	<.0080	<.0080	<.1250	<.0160	<.005	<.0160	<.0050	<.0160	<.0310
17...	<.0050	<.0050	<.0160	<.0050	<.0080	<.0080	<.1250	<.0160	<.005	<.0160	<.0050	<.0160	<.0310
17...	<.0050	<.0050	<.0160	<.0050	<.0080	<.0080	<.1250	<.0160	<.005	<.0160	<.0050	<.0160	<.0310
17...	<.0050	<.0050	<.0160	<.0050	<.0080	<.0080	<.1250	<.0160	<.005	<.0160	<.0050	<.0160	<.0310
18...	<.0050	<.0050	<.0160	<.0050	<.0080	<.0080	<.1250	<.0160	<.005	<.0160	<.0050	<.0160	<.0310
26...	<.0050	<.0050	<.0160	<.0050	<.0080	<.0080	<.1250	<.0160	<.005	<.0160	<.0050	<.0160	<.0310
FEB													
20...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2669	<.0676	<.010	<.0335	<.0133	<.0044	<.0203
APR													
30...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2669	<.0676	<.010	<.0335	<.0133	<.0044	<.0203
MAY													
14...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2669	<.0676	<.010	<.0335	<.0133	<.0044	<.0203
22...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
22...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
JUN													
02...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
02...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
*02...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
02...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
04...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
13...	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063
17...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
17...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
17...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
17...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
18...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
23...	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063
27...	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063
JUL													
12...	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352	<.009	<.0150	<.0026	<.0016	<.0063
AUG													
15...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
SEP													
11...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457
21...	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676	<.010	<.0335	<.0133	<.0044	<.0457

* Replicate

HUDSON RIVER BASIN

293

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
 (National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

DATE	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)
NOV	
10...	<.01
DEC	
17...	M
17...	E.01
17...	M
17...	M
18...	M
26...	<.01
FEB	
20...	<.01
APR	
30...	<.01
MAY	
14...	<.01
22...	<.01
22...	<.01
JUN	
02...	<.01
02...	<.01
*02...	<.01
02...	<.01
04...	<.01
13...	<.01
17...	<.01
17...	<.01
17...	<.01
17...	<.01
18...	E.01
18...	<.01
23...	<.01
27...	<.01
JUL	
12...	<.01
AUG	
15...	<.01
SEP	
11...	E.03
21...	M

M Presence verified, not quantified
 E Estimated
 * Replicate

HUDSON RIVER BASIN

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 mi².

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 210 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,250 ft³/s, Sept. 16, 1999, gage height, 9.74 ft, recorded, outside gage height was 11.25 ft, from floodmarks, from rating curve extended above 170 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 0.06 ft³/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 ft³/s (revised) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1245	143	a3.74	June 17	0915	*637	cd*5.39
Mar. 30	1315	270	b4.33				

a Recorded; outside gage height was 4.09 ft, from crest-stage gage.

b Recorded; outside gage height was 4.94 ft, from crest-stage gage.

c Recorded; outside gage height was 6.36 ft, from crest-stage gage.

d From rating curve extended as explained above.

Minimum discharge, 0.40 ft³/s, Aug. 10, 22, 23, gage height, 1.53 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.4	4.6	e7.0	21	17	42	7.8	4.1	9.3	.92	2.1
2	2.8	2.4	4.0	e7.2	20	16	37	7.4	77	8.8	.82	1.3
3	2.9	2.3	e3.6	e7.0	17	16	33	6.7	33	5.6	.73	.97
4	2.8	2.4	e3.4	e6.6	18	17	29	6.3	14	5.7	1.5	.89
5	2.9	2.3	3.2	e6.4	12	17	26	5.8	9.9	12	1.2	.81
6	3.8	2.3	3.2	e6.6	15	17	26	5.4	7.8	11	.87	.54
7	3.1	2.3	3.0	6.9	14	16	26	5.2	6.4	5.8	.68	.58
8	2.7	2.3	3.0	6.9	12	16	23	5.2	5.5	11	.59	.56
9	2.5	2.3	3.4	7.2	13	18	31	5.1	4.8	8.1	.48	.49
10	2.5	16	5.7	e6.6	e20	19	50	4.9	4.4	5.5	.44	7.1
11	2.5	16	3.2	e6.2	22	20	25	4.5	4.3	6.4	.58	9.8
12	2.5	7.4	4.4	e5.8	e17	21	27	4.2	4.3	4.8	.74	2.7
13	2.5	4.7	5.3	e6.0	14	65	23	4.0	3.9	4.0	2.9	1.7
14	2.4	5.5	15	e6.4	14	46	19	3.8	3.7	3.7	5.7	12
15	2.3	8.2	11	6.8	e18	36	18	3.6	3.5	3.3	1.9	5.2
16	2.2	5.0	7.3	8.3	20	37	17	3.5	3.2	3.2	1.2	2.9
17	2.5	4.3	75	9.5	25	52	16	3.7	197	4.1	.92	2.1
18	4.0	3.8	41	8.8	18	41	15	3.9	44	3.8	1.4	1.8
19	5.6	3.5	18	16	16	33	14	4.1	16	2.9	.84	1.4
20	3.3	3.4	15	21	15	30	13	3.4	12	2.5	.79	9.5
21	3.0	3.3	12	15	19	37	13	3.3	13	2.3	.87	40
22	2.7	3.1	e10	e11	15	84	16	17	12	2.1	.60	7.9
23	2.6	2.9	e8.8	e9.0	14	53	13	16	22	1.9	.75	4.0
24	2.6	e2.7	e7.6	e8.4	13	34	12	11	48	1.7	2.4	2.9
25	2.6	2.8	e6.8	e7.6	23	28	10	6.5	16	1.5	.93	16
26	2.6	10	e6.4	e7.2	35	26	10	6.6	11	1.6	.65	7.3
27	2.5	11	e6.2	e6.8	25	25	9.5	13	9.1	1.8	11	4.2
28	2.5	5.9	e6.0	7.5	21	23	9.0	12	7.4	1.4	6.9	3.3
29	2.4	4.7	e6.2	13	---	21	8.3	6.5	6.3	1.3	2.9	2.7
30	2.4	5.1	e6.4	19	---	143	8.1	6.0	6.6	1.1	1.7	2.4
31	2.4	---	e6.8	26	---	62	---	4.5	---	1.0	1.5	---
TOTAL	87.0	150.3	315.5	293.7	506	1086	618.9	200.9	610.2	139.2	55.40	155.14
MEAN	2.81	5.01	10.2	9.47	18.1	35.0	20.6	6.48	20.3	4.49	1.79	5.17
MAX	5.6	16	75	26	35	143	50	17	197	12	11	40
MIN	2.2	2.3	3.0	5.8	12	16	8.1	3.3	3.2	1.0	.44	.49
CFSM	.38	.68	1.37	1.28	2.44	4.72	2.78	.87	2.74	.61	.24	.70
IN.	.44	.75	1.58	1.47	2.54	5.44	3.10	1.01	3.06	.70	.28	.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	7.77	9.29	11.5	9.24	16.3	26.8	18.9	9.40	16.1	3.84	3.28	20.4
MAX	12.7	13.6	12.8	9.47	18.1	35.0	20.6	12.3	20.3	6.02	6.68	49.0
(WY)	2000	2000	2000	2001	2001	2001	2001	2000	2001	2000	2000	1999
MIN	2.81	5.01	10.2	9.01	14.6	18.5	17.2	6.48	11.8	1.02	1.39	5.17
(WY)	2001	2001	2001	2000	2000	2000	2000	2001	2000	1999	1999	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

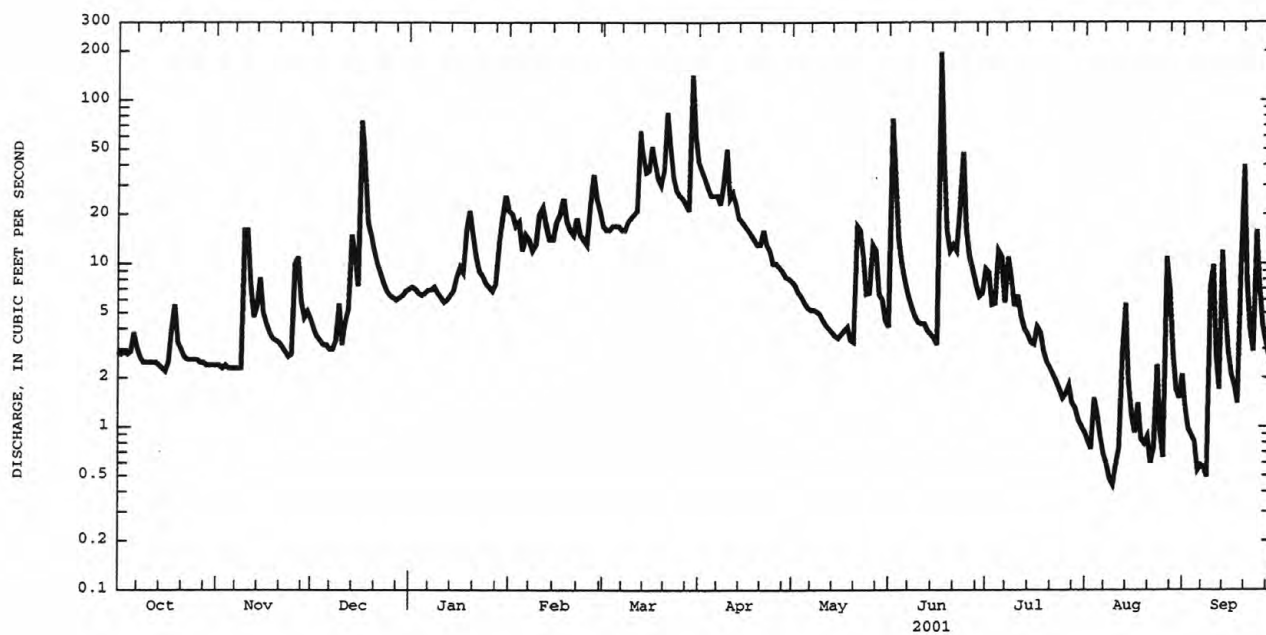
FOR 2001 WATER YEAR

WATER YEARS 1999 - 2001

ANNUAL TOTAL	3689.4	4218.24	
ANNUAL MEAN	10.1	11.6	11.7
HIGHEST ANNUAL MEAN			11.8
LOWEST ANNUAL MEAN			11.6
HIGHEST DAILY MEAN	75	Dec 17	197
LOWEST DAILY MEAN	1.4	Jul 14	.44
ANNUAL SEVEN-DAY MINIMUM	2.0	Jul 8	.63
ANNUAL RUNOFF (CFSM)	1.36		1.56
ANNUAL RUNOFF (INCHES)	18.50		21.15
10 PERCENT EXCEEDS	21		25
50 PERCENT EXCEEDS	7.0		6.4
90 PERCENT EXCEEDS	2.4		1.5

e Estimated

0137499350 HUNTER BROOK SOUTH OF YORKTOWN, NY--Continued



HUDSON RIVER BASIN

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 mi².

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 sea level, from topographic map. Prior to Oct. 1, 1941, supplementary water-stage recorder and concrete control at site 1.1 mi downstream at Quaker Bridge.

REMARKS.--No estimated daily discharges. Records fair. Entire flow, except for periods of spilling and releases to augment Croton-on-Hudson water supply, diverted from New Croton Reservoir for municipal supply of City of New York. Also published as a NAWQA water-quality miscellaneous site.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,400 ft³/s, Oct. 16, 1955, gage height, 18.44 ft, from floodmarks, from rating curve extended above 9,700 ft³/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, 4,710 ft³/s, June 17, gage height, 6.81 ft; minimum, 30 ft³/s, Sept. 30, gage height, 1.40 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	113	189	258	580	757	2530	315	201	353	111	127
2	137	93	171	237	561	749	2240	307	760	340	101	110
3	128	87	146	221	538	735	1890	297	977	277	91	89
4	127	103	140	223	479	729	1580	285	711	252	121	92
5	142	105	130	253	512	808	1360	285	577	359	119	108
6	154	107	124	264	564	811	1230	254	504	586	111	81
7	143	105	123	249	512	739	1200	218	419	372	101	78
8	124	104	137	251	467	713	1110	206	346	329	104	79
9	117	113	131	267	446	749	1160	213	286	327	98	83
10	97	313	132	254	513	777	1830	220	234	267	86	131
11	103	437	147	243	612	762	1360	216	207	256	105	279
12	115	304	143	236	544	762	1230	207	195	224	97	179
13	115	214	152	231	526	1190	1150	225	192	190	120	132
14	117	207	295	223	514	1410	1030	196	173	174	164	210
15	123	223	341	246	552	1260	936	194	165	170	145	209
16	135	189	272	254	595	1210	873	186	167	160	115	148
17	116	160	730	265	659	1450	814	174	2910	659	94	132
18	158	145	1100	270	591	1530	778	186	2910	171	98	150
19	185	140	733	342	551	1390	658	194	1560	156	101	154
20	156	133	576	502	528	1300	589	178	1060	133	120	198
21	138	124	477	517	567	1370	648	155	949	130	131	446
22	130	116	399	441	553	2550	742	311	832	127	117	251
23	111	107	344	374	585	3320	693	360	896	124	118	141
24	114	104	311	335	595	2650	582	354	1660	120	160	84
25	121	108	274	304	634	2260	544	298	1080	125	126	195
26	127	242	236	282	873	1920	444	277	792	142	98	236
27	131	335	229	275	865	1650	415	364	645	134	135	155
28	149	262	228	265	811	1450	412	336	550	116	210	110
29	107	201	219	252	---	1260	358	296	451	114	159	95
30	110	193	323	350	---	2710	323	291	372	115	121	69
31	123	---	324	579	---	3260	---	237	---	109	106	---
TOTAL	3989	5187	9276	9263	16327	44231	30709	7835	22781	6622	3683	4551
MEAN	129	173	299	299	583	1427	1024	253	759	214	119	152
MAX	185	437	1100	579	873	3320	2530	364	2910	586	210	446
MIN	97	87	123	221	446	713	323	155	165	109	86	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2001, BY WATER YEAR (WY)

	MEAN	172	195	307	329	414	663	694	426	229	102	105	111
MAX	3160	1815	1950	1123	1608	1599	2469	1667	1832	921	1179	1177	
(WY)	1956	1956	1997	1978	1970	1953	1983	1989	1972	1984	1990	1975	
MIN	.30	.40	.52	.59	.90	.38	.91	.75	.85	.71	.36	.48	
(WY)	1966	1966	1966	1966	1967	1965	1965	1963	1965	1965	1981	1981	

SUMMARY STATISTICS

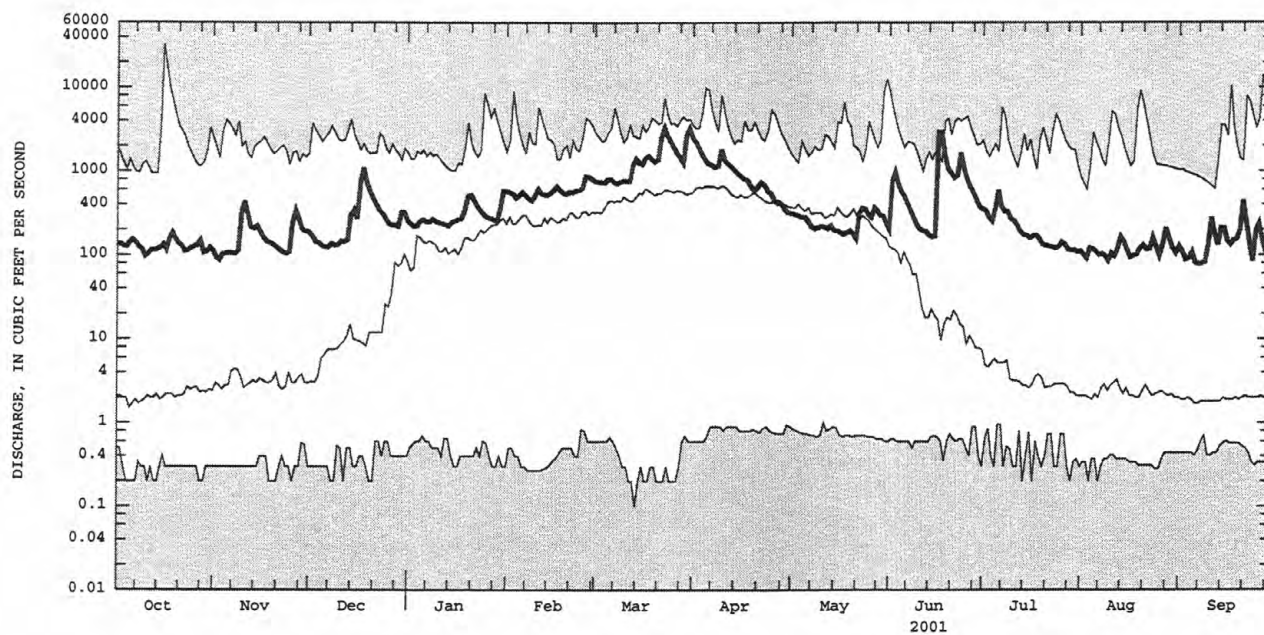
FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1933 - 2001

ANNUAL TOTAL	167389	164454											
ANNUAL MEAN	457	451											
HIGHEST ANNUAL MEAN										312			1956
LOWEST ANNUAL MEAN										849			1965
HIGHEST DAILY MEAN	2230	Jun 7	3320	Mar 23	33000	Oct 16	1955			.90			
LOWEST DAILY MEAN	87	Nov 3	69	Sep 30	.10	Mar 14	1965						
ANNUAL SEVEN-DAY MINIMUM	101	Nov 2	87	Sep 3	.20	Mar 12	1965						
10 PERCENT EXCEEDS	906		1100		920								
50 PERCENT EXCEEDS	398		246		23								
90 PERCENT EXCEEDS	118		109		1.0								

01375000 CROTON RIVER AT NEW CROTON DAM, NEAR CROTON-ON-HUDSON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

HUDSON RIVER BASIN

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 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--May 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Satellite and telephone gage-height, temperature, and specific conductance telemeter at station. All data are collected, stored, and reported in Eastern Standard Time.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation (water years 1992-99, 2001), 7.27 ft, Dec. 11, 1992; minimum elevation (water years 1992-99, 2001), -4.01 ft, Mar. 4, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.95 ft, Mar. 7; minimum, -3.31 ft, Dec. 13.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	3.20	-1.06	1.06	3.45	-.43	1.54	2.74	-1.08	.75	1.27	-1.80	-.35
2	3.30	-.83	1.26	3.34	.04	1.69	2.19	-1.00	.62	1.96	-1.29	.44
3	3.24	-.28	1.39	3.54	.09	1.74	2.09	-.95	.57	1.97	-.98	.67
4	3.18	-.21	1.28	3.35	-.07	1.61	1.94	-1.06	.54	2.28	-1.46	.67
5	2.85	-.36	1.21	2.53	-.87	1.14	2.56	-1.67	.89	2.59	-1.08	1.06
6	3.18	-.42	1.50	2.99	-.64	1.29	2.01	-1.48	.14	3.21	-1.35	1.11
7	2.95	-.87	1.19	3.07	-.53	1.39	2.49	-1.70	.44	2.81	-1.53	1.00
8	2.64	-.92	.88	3.41	-.52	1.65	2.78	-1.84	.89	3.34	-1.08	1.15
9	2.86	-.99	1.04	3.65	-.70	1.66	3.11	-1.40	.82	3.71	-1.04	1.21
10	2.90	-.73	1.11	4.70	-.10	2.28	3.14	-1.73	.83	2.57	-1.88	.34
11	2.07	-2.21	.05	3.80	-.66	1.64	3.41	-1.64	.97	3.37	-1.44	.82
12	2.89	-1.88	.64	4.21	-.64	1.65	4.42	-1.81	.90	2.98	-1.82	.64
13	2.78	-1.51	.71	4.07	-1.02	1.50	2.57	-3.31	-.20	3.44	-1.03	1.06
14	2.93	-1.59	.76	4.21	-.81	1.59	3.93	-1.16	.99	2.75	-1.20	.77
15	3.09	-1.43	.81	3.48	-1.41	.81	2.77	-2.22	.34	2.63	-.88	.94
16	3.73	-1.22	1.35	2.95	-1.63	.56	3.38	-1.42	1.10	2.99	-1.05	.95
17	3.69	-.64	1.44	2.92	-1.58	.56	4.51	-.16	2.08	2.20	-1.33	.49
18	3.84	-.52	1.48	2.59	-1.64	.40	1.72	-1.91	-.14	2.30	-.92	.89
19	3.10	-.83	1.09	2.54	-1.34	.73	2.50	-1.16	.69	2.85	-.80	1.28
20	2.92	-1.01	1.02	3.12	-1.43	1.19	3.45	-2.36	.67	2.75	-.68	1.36
21	2.98	-1.09	.94	2.43	-2.02	.56	2.14	-2.36	.26	2.77	-1.54	.97
22	2.88	-1.49	.82	1.87	-2.12	-.02	2.86	-1.90	.57	2.47	-1.38	.69
23	3.07	-1.49	.98	2.39	-2.44	.27	2.01	-2.72	-.06	2.48	-1.05	.66
24	3.04	-1.28	.99	3.03	-1.65	.68	2.51	-1.93	.28	3.03	-.66	1.07
25	3.05	-1.47	.87	3.01	-1.71	.75	1.58	-3.18	-.81	3.02	-.78	1.01
26	3.38	-1.33	1.16	4.30	-.85	1.81	1.82	-2.66	-.62	2.84	-.94	.88
27	3.55	-1.15	1.29	3.41	-1.23	.91	1.87	-2.63	-.26	3.03	-.90	1.01
28	3.80	-1.36	1.15	2.74	-1.56	.56	1.99	-2.03	.03	2.04	-1.52	.30
29	3.29	-1.09	.95	2.92	-1.36	.75	3.16	-.58	1.11	2.59	-.60	.92
30	3.45	-1.04	1.00	2.61	-1.37	.60	3.53	-.26	1.44	2.92	-.46	1.18
31	3.28	-.91	1.22	---	---	---	1.86	-2.39	-.35	2.58	-.63	1.00
MONTH	3.84	-2.21	1.05	4.70	-2.44	1.12	4.51	-3.31	.50	3.71	-1.88	.84

HUDSON RIVER BASIN

299

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.40	-.47	.84	2.53	-1.13	.68	3.44	-.05	1.65	2.55	-1.51	.72
2	2.66	-.61	1.09	2.67	-.46	1.15	3.63	-.93	1.38	3.10	-1.30	1.06
3	1.67	-1.84	-.01	3.33	-.44	1.23	2.98	-1.10	1.06	3.02	-1.46	.97
4	2.38	-1.44	.83	3.25	-.07	1.65	3.08	-1.32	1.08	3.17	-1.83	.87
5	3.08	-1.18	1.30	4.43	-.53	2.39	3.21	-1.54	.97	3.52	-1.92	.96
6	2.46	-1.99	.31	3.80	-.60	1.62	3.50	-1.47	1.14	3.86	-1.47	1.12
7	2.58	-1.91	.20	4.95	.11	2.73	4.00	-1.35	1.34	3.42	-1.66	.98
8	2.61	-2.31	.31	4.80	-.31	2.26	4.20	-1.02	1.57	3.40	-1.72	.68
9	3.31	-1.79	.84	4.37	-.65	1.76	4.27	-.68	1.68	3.37	-1.35	.87
10	2.79	-2.15	.32	3.18	-1.93	.71	3.86	-.49	1.65	3.36	-1.16	.99
11	1.30	-3.13	-.94	3.11	-1.85	.61	3.82	-.47	1.53	3.36	-1.08	.98
12	2.23	-2.68	-.19	3.03	-2.19	.25	3.64	-.26	1.53	3.13	-.75	1.09
13	2.83	-1.29	.74	3.38	-.94	1.29	3.46	-.18	1.47	2.61	-.91	.79
14	2.47	-.73	.88	3.54	-1.55	.77	2.86	-.29	1.16	2.55	-.74	.88
15	2.92	-.73	.93	2.53	-1.28	.56	2.73	-.19	1.38	2.51	-.94	.90
16	2.60	-.33	.96	2.76	-.74	.89	3.18	.31	1.66	2.77	-.27	1.47
17	3.35	-2.16	.59	2.76	-.42	1.01	2.85	-.04	1.37	3.25	-.38	1.45
18	1.39	-2.19	.10	2.43	-1.10	.53	2.68	-.86	1.15	2.96	-.73	1.25
19	2.23	-1.26	.61	2.03	-1.15	.52	2.36	-1.29	.58	3.02	-1.01	1.18
20	2.36	-1.20	.68	2.32	-.98	.76	2.65	-1.42	.68	3.49	-.68	1.43
21	2.81	-1.54	.42	3.66	-.66	1.63	2.74	-1.45	.73	3.57	-.97	1.28
22	2.63	-1.86	.43	4.22	-.20	1.93	2.54	-1.75	.51	3.93	-.93	1.47
23	3.17	-1.11	.91	2.92	-1.00	1.03	3.24	-1.80	.62	4.09	-.77	1.59
24	2.47	-2.02	.34	2.99	-.97	.95	3.49	-1.17	1.15	3.81	-1.06	1.32
25	3.07	-1.18	1.07	2.85	-1.69	.65	3.42	-1.46	.77	3.79	-.95	1.26
26	2.68	-1.53	.67	3.15	-1.18	.97	3.71	-1.20	1.10	3.67	-1.14	1.11
27	2.53	-1.58	.51	2.55	-1.62	.47	3.75	-.93	1.37	3.63	-.92	1.30
28	2.60	-1.36	.58	2.52	-1.66	.43	3.77	-1.19	.95	3.83	-.68	1.42
29	---	---	---	3.00	-1.69	.55	2.84	-1.53	.58	3.57	-.74	1.43
30	---	---	---	3.32	-.34	1.60	2.78	-1.55	.45	3.28	-.96	1.11
31	---	---	---	3.29	-.83	1.10	---	---	---	2.82	-1.58	.84
MONTH	3.35	-3.13	.55	4.95	-2.19	1.12	4.27	-1.80	1.14	4.09	-1.92	1.12

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	3.27	-1.39	1.08	3.32	-1.17	1.08	3.26	-.93	1.07	3.16	-.91	1.24
2	3.94	-.78	1.71	3.11	-1.70	.68	3.28	-.77	1.11	3.38	-.97	1.24
3	3.77	-.83	1.56	3.56	-1.36	.99	3.08	-1.15	.85	3.42	-.80	1.28
4	3.55	-1.11	1.25	3.70	-1.09	1.17	3.36	-1.14	1.03	3.20	-.71	1.32
5	3.57	-1.13	1.09	3.65	-.77	1.31	3.24	-.79	1.15	2.87	-.95	1.02
6	3.59	-1.21	1.03	3.20	-1.05	.98	3.11	-.99	1.04	2.92	-.97	1.05
7	3.55	-1.17	1.07	3.37	-1.13	1.05	2.90	-1.01	.96	2.84	-.97	1.01
8	3.40	-1.10	1.06	3.41	-.91	1.21	2.99	-1.08	.98	2.69	-1.00	.95
9	3.30	-.96	1.08	3.33	-.70	1.31	2.99	-.74	1.22	2.62	-1.05	.87
10	3.31	-.80	1.12	3.33	-.55	1.33	2.99	-.72	1.06	3.06	-.79	1.03
11	3.08	-.81	1.16	3.11	-.48	1.32	2.48	-1.12	.88	2.69	-1.07	.77
12	3.10	-.71	1.20	2.91	-.69	1.12	2.91	-.74	1.14	3.28	-.55	1.19
13	3.03	-.54	1.16	2.55	-.81	1.00	2.88	-.88	1.03	3.50	-.76	1.32
14	2.69	-.81	1.00	2.72	-.90	1.02	3.23	---	---	3.39	-1.18	1.16
15	2.57	-.97	1.00	2.94	-.89	1.09	3.69	-.74	1.41	3.72	-.99	1.46
16	2.85	-.92	1.12	3.22	-.94	1.16	3.64	-.90	1.42	3.82	-1.18	1.38
17	3.13	-1.03	1.19	3.32	-.99	1.18	3.75	-1.21	1.34	3.68	-1.28	1.31
18	2.91	-1.51	.82	3.68	-1.11	1.23	3.85	-1.47	1.16	3.66	-1.13	1.31
19	3.30	-1.55	.89	4.18	-.83	1.59	3.84	-1.40	1.22	3.71	-1.21	1.34
20	3.43	-1.47	.93	3.92	-1.16	1.43	3.81	-1.15	1.31	4.09	-.85	1.60
21	3.67	-1.58	.90	3.96	-1.28	1.24	3.52	-1.19	1.17	3.73	-.60	1.46
22	4.17	-1.15	1.27	3.97	-1.20	1.25	3.42	-1.47	.96	3.45	-.74	1.35
23	4.05	-1.04	1.40	3.62	-1.18	1.18	3.19	-1.33	.95	3.10	-.75	1.16
24	3.85	-1.18	1.16	3.60	-1.24	1.05	3.25	-1.07	1.07	3.33	-.26	1.46
25	3.72	-1.19	1.01	3.28	-1.36	.87	3.36	-.79	1.34	3.42	-.45	1.71
26	3.53	-1.24	.97	2.98	-1.31	1.02	3.25	-.56	1.39	2.66	-.88	.98
27	3.24	-1.38	.95	3.24	-1.09	1.23	3.21	-.55	1.32	2.81	-.86	1.04
28	2.92	-1.43	.91	3.06	-1.18	1.02	3.45	-.55	1.27	2.93	-.78	1.10
29	3.58	-.91	1.38	3.06	-1.01	1.18	3.17	-.69	1.20	3.88	-.66	1.66
30	3.39	-1.15	1.29	3.53	-.49	1.50	3.39	-.71	1.26	4.54	.47	2.61
31	---	---	---	3.38	-.56	1.37	3.57	-.44	1.49	---	---	---
MONTH	4.17	-1.58	1.13	4.18	-1.70	1.17	3.85	-1.47	1.16	4.54	-1.28	1.28

HUDSON RIVER BASIN

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. All data are collected, stored, and reported in Eastern Standard Time.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum (water years 1992-97, 1999-2001), 31,100 $\mu\text{S}/\text{cm}$, Dec. 11, 1992; minimum (water years 1992-97, 1999-2001), 76 $\mu\text{S}/\text{cm}$, Jan. 30, 31, 1996.

WATER TEMPERATURE: Maximum, 29.0°C, July 25, 1999; minimum, 0.0°C on many days during winter periods, except 1998-99.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 25,300 $\mu\text{S}/\text{cm}$, Aug. 25; minimum, 286 $\mu\text{S}/\text{cm}$, Apr. 13.

WATER TEMPERATURE: Maximum, 28.5°C, Aug. 9, 10; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	16800	11000	12700	16100	12200	14300	11500	8220	9380	7470	5750	6480
2	13600	10800	12000	16500	12100	14500	12100	7690	9830	8340	7030	7640
3	14700	10300	11900	14900	10500	13300	10300	7260	8220	10800	7690	8400
4	12700	9280	10800	16100	10000	12300	11300	7870	9000	10700	7640	8770
5	13400	9230	10900	12500	10400	11300	11200	7180	8080	12700	7840	9950
6	14700	8680	10900	16400	11700	13700	10200	7210	8390	14000	7230	10900
7	13800	8960	10700	16500	13500	15300	11200	8920	10100	13700	6840	11300
8	13100	9140	10700	17400	14400	16000	15900	9830	12300	20300	8030	13800
9	14900	10600	12500	18700	14700	16600	16700	12300	14500	15600	12200	12800
10	15500	11800	13200	22000	16400	18800	18500	14200	15100	14500	10200	12000
11	17100	12200	13600	20700	17800	19000	19000	14000	14900	13900	10400	11700
12	18400	15200	16100	21100	18000	19000	21700	12900	16100	13200	9700	10700
13	18900	14800	16100	19600	17700	18200	15200	10700	12600	11600	9800	10400
14	20000	14500	16100	20000	17300	17900	16000	12400	14300	13100	9130	10300
15	19400	14800	16200	17500	15600	16700	18400	12400	14200	12900	9180	10300
16	19800	14800	16300	16600	15100	15600	19200	13700	14900	12100	8540	10500
17	19000	15400	16900	16000	14300	15400	18800	12800	16000	10000	8160	8950
18	18800	15200	16700	15800	14000	14500	12800	4150	7860	11300	8350	9730
19	16500	14100	15200	14700	13800	14200	4660	3420	3960	15100	8850	10300
20	15000	12100	14200	17100	13600	14400	3510	1030	2470	14400	8500	11200
21	16500	12200	13800	14500	12900	13400	1390	800	1010	14300	9310	11700
22	16200	11600	13100	13100	11200	11800	2400	691	1230	14000	8900	10700
23	15500	12100	13200	13100	10900	11500	2220	506	1130	14600	9860	11600
24	14800	12500	13200	14900	11400	12000	4050	1410	2320	16000	11300	13000
25	15100	12000	12900	15400	10900	12600	2940	387	1460	16000	12600	13700
26	15000	11700	12500	15300	12300	13400	2380	387	1280	18100	12300	14000
27	16400	11600	13000	14600	10900	12100	4170	843	2080	17700	13500	14300
28	15100	10300	12700	12300	10600	11200	5140	1480	3890	14900	12300	13400
29	15500	11200	12600	11900	10500	10900	9310	4670	6550	15900	13000	13900
30	15000	10800	12300	12200	8390	10500	11600	5030	7610	15300	12100	13800
31	16200	12100	13400	---	---	---	7560	1980	5470	14200	10900	12900
MONTH	20000	8680	13400	22000	8390	14300	21700	387	8270	20300	5750	11300

HUDSON RIVER BASIN

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01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	14600	10800	12300	9350	6520	7710	5460	2680	3550	4390	1450	2760
2	14100	10800	11800	13800	6980	8380	3830	2690	3220	5120	3080	4020
3	12500	9540	10800	11400	6960	8460	4690	2650	3640	6460	4300	5210
4	14200	9600	11100	16400	6960	9420	6920	3820	4900	11700	5170	6170
5	19900	11100	14900	17100	9020	11900	6260	2310	3870	13000	5100	7230
6	14600	11500	12600	13800	9300	11800	3900	1400	2390	14300	5630	7230
7	14500	11100	12300	24800	10900	14200	1740	676	1100	12900	5560	6770
8	12800	10500	11300	15600	11500	13700	1280	390	678	12200	5100	6380
9	13400	10600	11400	16000	13000	14000	457	316	361	12400	5320	6820
10	14100	8150	11300	13700	11300	12500	328	305	315	8210	5120	6180
11	10300	6530	8310	12800	11000	11700	308	292	303	8600	5080	6300
12	10300	6800	8040	11900	10200	10900	301	288	296	7270	5470	6400
13	14600	7120	9220	12800	10300	11200	297	286	292	9250	6010	7500
14	10000	7060	8400	12500	8640	10400	302	292	297	11300	6120	7790
15	10200	6200	7680	11300	8700	9420	514	298	319	11300	6160	8420
16	7920	5980	6890	9710	7560	8780	1330	461	811	16200	7770	10500
17	9280	5500	7120	10100	7370	8250	1970	797	1260	19000	7970	11400
18	9240	4800	6850	10100	5540	7300	4750	1570	3040	18000	9370	11000
19	9940	5730	7690	8800	6080	6910	4830	2870	3600	17400	10600	13300
20	9840	6600	8440	10100	5900	7570	8370	3710	5000	17100	12400	14700
21	11800	6940	8430	13800	6330	8560	8960	4980	6170	20500	13700	15100
22	11100	6620	8440	16200	7460	10300	8330	5590	6860	19800	15000	16200
23	11800	8980	10200	11000	8230	9580	8190	6360	7430	18200	15900	16700
24	11600	7800	9740	10400	9020	9570	8160	5480	6850	17200	15400	16300
25	13800	9950	10900	9910	7510	8420	6810	3350	4560	16400	14900	15500
26	11800	7760	9790	8710	6460	7290	3770	2230	3020	15800	14100	15000
27	9520	7840	8520	7130	4960	5740	2630	1350	2060	15900	13700	14600
28	10800	6820	8890	6000	4140	4820	1750	530	1110	15300	13100	14000
29	---	---	---	5310	3780	4370	2730	568	1530	14400	12100	13100
30	---	---	---	6100	3950	4670	2580	982	1740	12400	10700	11800
31	---	---	---	4860	2560	3780	---	---	---	11800	9720	10800
MONTH	19900	4800	9760	24800	2560	9080	8960	286	2690	20500	1450	10200

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	15000	9420	10800	13700	6080	8660	21800	15500	17800	22200	16900	19700
2	12700	9900	11400	12500	6610	8280	20900	15300	17400	22400	18400	20100
3	11800	8550	10200	15500	6890	9080	19500	16000	17700	22500	18800	20500
4	11000	6720	8160	14400	7160	9760	19500	16500	17800	22500	18400	20300
5	7180	5350	6460	14300	7400	9380	21200	16700	18300	22000	18200	20300
6	7000	4550	5420	9900	6780	8260	19600	16800	17800	22300	18000	20500
7	6320	4440	5040	10300	7240	8700	19400	16000	17500	22700	19600	20700
8	6910	4360	5420	11000	8070	9230	19800	16600	17500	22700	19200	20500
9	7790	4860	5940	11400	8060	9420	19500	16000	17700	23200	18700	20400
10	8140	5080	6310	11600	7470	9200	18000	14500	16700	22000	17800	19600
11	8710	4820	6280	11200	7480	9010	19000	14800	16700	20600	17200	19000
12	8650	4840	6160	10300	6720	8550	20800	15100	17600	22800	17600	19400
13	8450	4820	6740	12900	7470	9340	20100	15400	16900	22200	16500	19000
14	10400	5300	7300	12900	7820	10000	18800	14600	17000	25100	17800	20200
15	11200	5870	7980	14400	8880	11000	20400	16200	18400	24100	19100	21000
16	12200	7010	9310	14400	10400	12000	21400	16300	19100	24000	19200	21000
17	12600	8970	10500	16000	11600	13400	23500	18100	20100	23400	19000	21100
18	11600	9060	10200	18900	12800	14900	23000	18500	20200	24100	18500	21100
19	14200	9670	11300	21200	15300	17300	23400	19000	20300	22900	18700	20800
20	16400	10900	12700	20100	16200	17800	22900	19300	20300	25200	19100	21700
21	14700	12000	12700	20400	17100	18300	23000	18600	20200	23500	18800	20800
22	15000	12400	13200	20800	17700	18800	22500	18400	19600	23600	18200	20500
23	15600	12100	13100	20100	17300	18500	21400	16600	19300	21500	18400	19900
24	15600	10300	11900	20000	16700	17800	22700	17200	19700	23600	17700	20100
25	12400	9230	10400	19200	16400	17500	25300	17700	20400	22300	18100	20500
26	10300	8480	9340	19900	15100	17200	23700	17800	20200	20700	16200	18500
27	9120	7640	8390	20100	16600	18300	21300	18000	19500	19000	15600	17900
28	9720	6900	7890	22100	16200	18200	21100	18100	19500	21300	16500	18600
29	12200	7090	8530	23000	16200	18500	22300	17700	19300	25000	17400	19800
30	9920	6510	8350	19700	17100	18600	21100	17000	19100	25200	18200	21400
31	---	---	---	20100	17000	18300	23200	18100	20400	---	---	---
MONTH	16400	4360	8910	23000	6080	13300	25300	14500	18700	25200	15600	20200

HUDSON RIVER BASIN

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	19.0	18.5	18.5	13.0	12.0	12.5	7.0	6.5	7.0	.0	.0	.0
2	19.0	18.5	19.0	12.5	11.5	12.0	6.5	6.0	6.5	.0	.0	.0
3	19.5	18.5	19.0	12.5	11.5	12.0	6.5	5.5	6.0	.0	.0	.0
4	19.5	19.0	19.0	12.5	12.0	12.5	6.0	5.0	5.5	.0	.0	.0
5	19.0	18.5	19.0	12.5	12.0	12.5	5.5	5.0	5.5	.0	.0	.0
6	19.0	18.5	18.5	12.0	11.5	12.0	5.5	4.5	5.0	.5	.0	.0
7	18.5	18.0	18.5	12.0	11.5	12.0	5.0	4.5	4.5	.5	.0	.0
8	18.0	17.0	17.5	12.0	11.5	12.0	5.5	4.5	5.0	1.0	.0	.5
9	17.5	16.5	17.0	12.0	11.5	12.0	5.0	4.5	4.5	.5	.0	.0
10	16.5	15.5	16.0	12.5	12.0	12.0	5.0	4.5	5.0	.5	.0	.0
11	16.5	15.0	16.0	12.0	12.0	12.0	5.0	4.5	5.0	.5	.0	.0
12	16.5	16.0	16.5	12.0	11.5	12.0	5.5	4.5	5.0	.5	.0	.0
13	16.5	16.0	16.5	12.0	11.5	11.5	4.5	3.5	4.0	.5	.0	.0
14	17.0	16.0	16.5	11.5	11.5	11.5	5.0	4.0	4.5	.5	.0	.0
15	17.0	16.5	16.5	11.5	11.0	11.0	4.5	4.0	4.0	.5	.0	.5
16	17.0	16.5	16.5	11.0	10.5	10.5	4.5	4.0	4.5	1.0	.5	.5
17	16.5	16.5	16.5	10.5	10.0	10.5	5.5	4.5	5.0	1.0	.5	.5
18	16.5	16.0	16.5	10.0	9.5	10.0	5.0	4.5	4.5	1.0	.5	1.0
19	16.5	16.0	16.0	10.0	9.0	9.5	4.5	4.0	4.5	1.5	1.0	1.0
20	16.5	16.0	16.0	9.5	9.0	9.5	4.0	3.0	4.0	1.5	1.0	1.0
21	16.5	16.0	16.0	9.0	8.5	9.0	3.5	3.0	3.5	1.0	.5	1.0
22	16.0	15.5	16.0	8.5	8.0	8.0	3.5	2.5	3.0	1.5	.0	1.0
23	16.0	15.0	15.5	8.0	7.5	7.5	2.5	1.5	2.0	1.5	.5	1.0
24	16.0	15.0	15.5	8.0	7.0	7.5	2.5	1.5	2.0	1.5	.5	1.0
25	16.0	15.5	15.5	7.5	6.5	7.0	2.0	.0	.5	1.5	1.0	1.0
26	16.0	15.5	15.5	8.0	6.5	7.0	1.0	.0	.0	1.5	.5	1.0
27	16.0	15.5	15.5	7.5	7.0	7.0	.5	.0	.0	1.5	1.0	1.0
28	15.5	15.0	15.5	7.5	7.0	7.0	.0	.0	.0	1.5	1.0	1.0
29	15.0	14.0	14.5	7.5	7.0	7.0	.5	.0	.0	2.0	.5	1.0
30	14.0	13.0	13.5	7.0	7.0	7.0	.5	.0	.0	1.5	1.0	1.5
31	13.5	12.5	13.0	---	---	---	.0	.0	.0	2.0	1.5	1.5
MONTH	19.5	12.5	16.5	13.0	6.5	10.0	7.0	.0	3.5	2.0	.0	.5

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

HUDSON RIVER BASIN

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01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17.5	17.0	17.5	26.5	25.0	25.5	26.5	24.5	25.0	26.0	25.0	25.5
2	18.0	17.0	17.5	25.0	24.5	25.0	27.0	24.5	25.5	25.5	24.5	25.0
3	18.5	17.5	18.0	25.0	24.0	24.5	26.0	25.0	25.5	25.5	24.5	25.0
4	18.0	17.5	18.0	25.0	24.0	24.5	25.5	25.0	25.0	25.0	24.5	24.5
5	19.0	18.0	18.0	25.5	24.0	24.5	26.5	24.5	25.5	24.5	24.0	24.5
6	19.0	18.5	18.5	24.5	24.0	24.5	27.5	25.0	26.0	24.5	24.0	24.5
7	19.5	18.5	19.0	25.0	23.5	24.0	28.0	26.0	26.5	24.5	24.0	24.0
8	20.5	19.0	19.5	24.0	23.5	24.0	28.0	26.0	27.0	24.5	24.0	24.0
9	21.0	19.5	20.0	25.5	23.5	24.5	28.5	26.5	27.5	25.0	24.0	24.5
10	21.0	19.5	20.5	25.5	24.0	25.0	28.5	27.5	28.0	24.5	24.0	24.5
11	21.0	20.0	20.5	25.0	24.0	24.5	27.5	26.5	27.0	25.0	24.0	24.5
12	21.5	20.0	20.5	24.5	24.0	24.0	27.0	26.5	26.5	25.0	23.5	24.0
13	21.5	20.5	21.0	24.0	23.5	24.0	27.5	26.0	26.5	24.5	23.0	24.0
14	22.0	20.5	21.5	24.0	23.0	23.5	27.5	26.0	26.5	24.0	23.0	23.5
15	23.0	21.0	22.0	24.0	23.0	23.5	27.5	26.0	26.5	23.0	22.5	23.0
16	23.0	21.5	22.0	25.0	23.0	24.0	27.5	25.5	26.5	23.0	22.5	22.5
17	22.5	21.0	21.5	24.5	23.5	24.0	27.0	25.5	26.0	23.0	22.0	22.5
18	23.0	21.0	22.0	24.5	22.5	24.0	27.0	25.5	26.0	22.5	22.0	22.5
19	24.0	21.0	22.5	24.5	22.0	23.5	26.5	25.5	26.0	22.5	22.0	22.5
20	24.5	21.0	22.5	25.0	22.0	23.5	26.5	25.5	26.0	22.5	22.0	22.5
21	22.5	21.5	22.5	25.0	22.5	24.0	26.5	25.5	26.0	22.5	22.0	22.0
22	23.0	21.5	22.0	24.5	23.0	24.0	26.5	25.5	26.0	22.5	22.0	22.5
23	23.0	21.5	22.5	25.0	23.0	24.0	26.5	26.0	26.0	23.0	22.0	22.5
24	23.0	22.0	23.0	25.5	23.5	24.5	26.0	25.5	26.0	23.0	22.5	22.5
25	23.5	22.5	23.0	26.0	24.5	25.5	26.0	25.5	25.5	22.5	22.0	22.5
26	24.5	23.0	24.0	26.0	25.0	25.5	26.0	25.0	25.5	22.0	21.5	22.0
27	25.5	24.0	24.5	25.0	24.5	24.5	26.0	25.0	25.5	21.5	21.0	21.5
28	25.5	24.5	25.0	26.0	24.0	25.0	26.5	25.5	26.0	21.5	20.5	21.0
29	26.0	24.5	25.0	25.0	24.0	24.5	26.5	25.5	26.0	21.0	20.5	20.5
30	26.5	25.0	25.5	25.0	24.0	24.5	26.5	25.0	25.5	20.5	19.0	19.5
31	---	---	---	26.0	24.0	25.0	26.0	25.0	25.5	---	---	---
MONTH	26.5	17.0	21.5	26.5	22.0	24.5	28.5	24.5	26.0	26.0	19.0	23.0

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 mi². **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 ft³ 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 (1951-97).--Maximum contents observed, 3,136 mil ft³, June 22, 1972, Apr. 17, 1994, Jan. 9, 1998, elevation, 552.8 ft; minimum observed, 2.0 mil ft³, Jan. 10, 13, 16-21, Feb. 7-15, Feb. 22 to Mar. 2, 1959, elevation, 492.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 3,016 mil ft³, June 24, elevation, 551.8 ft; minimum observed, 530 mil ft³, Mar. 12, 13, elevation, 521.0 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 mi². **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 ft³ 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 mi². Telephone gage-height telemeter at station. Records provided by New York Power Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 4,041 mil ft³, Oct. 2, 1945, elevation, 1,230.2 ft; minimum observed (after initial filling), not determined.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,706 mil ft³, Apr. 24, 25, elevation, 1,227.9 ft; minimum, 699 mil ft³, Apr. 5, 6, elevation, 1,193.4 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 mi². **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 sea level (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, 50,487 mil gal, Dec. 19, elevation, 591.01 ft, in East basin, 82,557 mil gal, Apr. 14, elevation, 588.22 ft; minimum observed, in West basin, 27,166 mil gal, Sept. 6, elevation, 564.54 ft, in East basin, 60,987 mil gal, Sept. 30, elevation, 574.73 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 mi². **PERIOD OF RECORD**, May 1951 to current year. **GAGE**, water-stage recorder. Datum of gage is sea level (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, 52,593 mil gal, Apr. 11, elevation, 840.23 ft; minimum observed, 45,932 mil gal, Jan. 12, elevation, 830.16 ft.

RESERVOIRS IN HUDSON RIVER BASIN--Continued

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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	544.1	2,150		1,211.1	1,919	
Oct. 31	544.8	2,220	+ 26.1	1,206.0	1,514	- 151
Nov. 30	544.4	2,180	- 15.4	1,208.2	1,686	+ 66.4
Dec. 31	539.1	1,669	-191	1,211.8	1,978	+ 109
CAL YR 2000	--	--	- 3.98	--	--	+ 16.8
Jan. 31	532.9	1,173	-185	1,199.8	1,084	- 334
Feb. 28	532.4	1,138	- 14.5	1,201.0E	1,163E	+ 32.6E
Mar. 31	528.3	878	- 97.1	1,194.4	754	- 153E
Apr. 30	550.4	2,848	+760	1,225.3	3,359	+1,005
May 31	550.2	2,824	- 8.97	1,224.4	3,248	- 41.5
June 30	550.1	2,812	- 4.63	1,223.8	3,177	- 27.4
July 31	546.5	2,405	-152	1,216.7	2,420	- 283
Aug. 31	544.0	2,140	- 98.9	1,209.2	1,766	- 244
Sept. 30	543.3	2,070	- 27.0	1,204.8	1,426	- 131
WTR YR 2001	--	--	- 2.54	--	--	- 15.6

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	586.24	45,673		585.50	77,994		838.15	51,180	
Oct. 31	580.20	39,985	-284	585.49	77,977	- 0.85	834.35	48,650	-126
Nov. 30	579.72	39,555	- 22.2	582.86	73,701	-221	834.03	48,440	- 10.8
Dec. 31	589.72	49,139	+478	582.37	72,910	- 39.5	832.91	47,706	- 36.6
CAL YR 2000	--	--	+ 58.9	--	--	+ 59.6	--	--	- 5.0
Jan. 31	588.12	47,546	- 79.5	580.93	70,586	-116	833.96	48,394	+ 34.3
Feb. 28	588.24	47,665	+ 6.6	580.37	69,682	- 50.0	835.76	49,581	+ 65.6
Mar. 31	588.89	48,312	+ 32.3	582.84	73,669	+199	837.25	50,575	+ 49.6
Apr. 30	589.90	49,318	+ 51.9	587.16	80,779	+367	836.59	50,133	- 22.8
May 31	590.27	49,704	+ 19.3	586.62	79,873	- 45.2	839.19	51,883	+ 87.3
June 30	589.44	48,860	- 43.5	584.97	77,106	-143	836.88	50,327	- 80.3
July 31	582.46	42,082	-338	583.71	75,073	-101	838.21	51,220	+ 44.6
Aug. 31	567.91	29,732	-616	583.34	74,476	- 29.8	834.96	49,051	-108
Sept. 30	571.60	32,650	+150	574.73	60,987	-696	836.10	49,807	+ 39.0
WTR YR 2001	--	--	- 55.2	--	--	- 72.1	--	--	- 5.8

† Elevation at 2400 hours by interpolation.

* Elevation at 2400 hours.

E Estimated.

†† Elevation at 0800 hours on last day of month.

** Elevation at daily reading on first day of following month.

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 Utica Board of Water Supply.
- 01362230 Diversion from Schoharie Reservoir (see station for mean daily discharges) on Schoharie Creek through Shandaken Tunnel to Esopus Creek at lat 42°06'52", long 74°21'51", near Phoenicia, Ulster County. No diversion prior to 1924.
- 01363401 Diversion from Ashokan Reservoir (see preceding pages) on Esopus Creek through the Catskill Aqueduct for municipal supply of New York City. Completed in 1917. Records provided by Department of Environmental Protection, City of New York.
- 01366399 Diversion from Rondout Reservoir. Total diversion from Rondout Reservoir to Delaware Aqueduct for municipal supply of City of New York. Rondout Reservoir is a collection basin for diversion from: Cannonsville Reservoir, Pepacton Reservoir, and Neversink Reservoir in the Delaware River basin and the Rondout Creek in the Hudson River basin. Diversion began April 1944 by means of temporary emergency connection to aqueduct. Records provided by Bureau of Water Resources Development, City of New York.
- 01367630 Diversion from Morris Lake, tributary to Wallkill River, by Newtown Water and Sewer Authority for municipal use in New Jersey. After use the water is released into the Paulins Kill (Delaware River basin). Records available from the Delaware River Basin Commission.

DIVERSION, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Month	01343899 <u>Hinckley Reservoir</u>	01363401 <u>Ashokan Reservoir</u>	01366399 <u>Rondout Reservoir</u>
October.....	33.0	813	1,162
November.....	28.5	811	1,183
December.....	29.4	767	1,058
CAL YR 2000	31.2	793	1,170
January.....	29.7	545	1,391
February.....	30.3	525	1,334
March.....	30.3	543	1,080
April.....	29.7	575	1,166
May.....	32.2	788	1,230
June.....	29.7	900	958
July.....	31.1	900	1,149
August.....	33.3	890	1,330
September.....	31.2	863	1,250
WTR YR 2001	30.6	745	1,190

HACKENSACK RIVER BASIN

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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 mi².

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 sea level (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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,740 ft³/s, Sept. 16, 1999, gage height, 11.21 ft, from floodmarks in gage house, from rating curve extended above 840 ft³/s; minimum discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 697 ft³/s, Mar. 30, gage height, 7.86 ft; minimum recorded discharge, 4.2 ft³/s, July 16, but may have been less during period of stop-log control reconstruction, Nov. 8; minimum gage height, 1.78 ft, Nov. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	17	15	15	14	12	141	12	13	e11	11	13
2	20	18	15	15	14	12	94	11	183	e10	11	12
3	20	18	15	15	13	11	77	12	174	9.1	11	12
4	19	17	15	14	13	12	73	12	79	9.3	11	13
5	20	18	15	15	15	14	61	16	52	16	11	13
6	20	18	15	15	16	15	56	12	37	19	10	13
7	19	18	15	16	16	16	59	7.6	26	11	10	14
8	19	e18	14	17	14	16	52	10	18	18	10	14
9	19	18	14	18	13	20	69	14	13	15	11	14
10	18	32	14	18	20	20	231	13	12	11	12	e14
11	18	14	15	16	15	20	105	13	e11	14	12	e14
12	18	13	15	14	12	20	85	13	e11	12	11	e14
13	18	14	15	14	12	47	76	15	e11	8.7	13	14
14	17	17	24	14	13	59	64	14	e10	8.0	12	20
15	17	14	18	15	14	65	51	13	e10	7.3	11	15
16	18	15	17	15	15	67	47	11	e10	7.0	16	14
17	18	15	61	16	16	79	41	12	e150	10	14	14
18	20	14	26	16	11	90	47	12	e120	9.4	11	15
19	20	14	19	22	11	72	29	10	83	9.2	11	15
20	19	15	19	21	14	61	25	10	58	9.3	13	20
21	19	15	18	16	15	72	23	12	52	9.7	9.9	22
22	19	15	18	14	13	311	31	36	45	9.2	12	13
23	19	15	16	13	12	212	29	15	80	9.6	15	15
24	19	14	16	12	12	100	27	10	302	9.4	11	15
25	19	14	17	13	20	79	27	13	86	9.8	17	24
26	19	28	16	15	23	70	19	13	54	11	16	16
27	18	18	15	15	15	64	16	19	38	9.4	13	15
28	18	16	14	15	14	56	19	14	27	10	13	15
29	17	16	15	15	---	49	11	14	17	9.9	13	15
30	18	16	15	21	---	437	12	14	12	10	13	14
31	17	---	16	17	---	283	---	13	---	11	13	---
TOTAL	578	504	552	487	405	2461	1697	415.6	1794	333.3	377.9	451
MEAN	18.6	16.8	17.8	15.7	14.5	79.4	56.6	13.4	59.8	10.8	12.2	15.0
MAX	20	32	61	22	23	437	231	36	302	19	17	24
MIN	17	13	14	12	11	11	11	7.6	10	7.0	9.9	12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2001, BY WATER YEAR (WY)

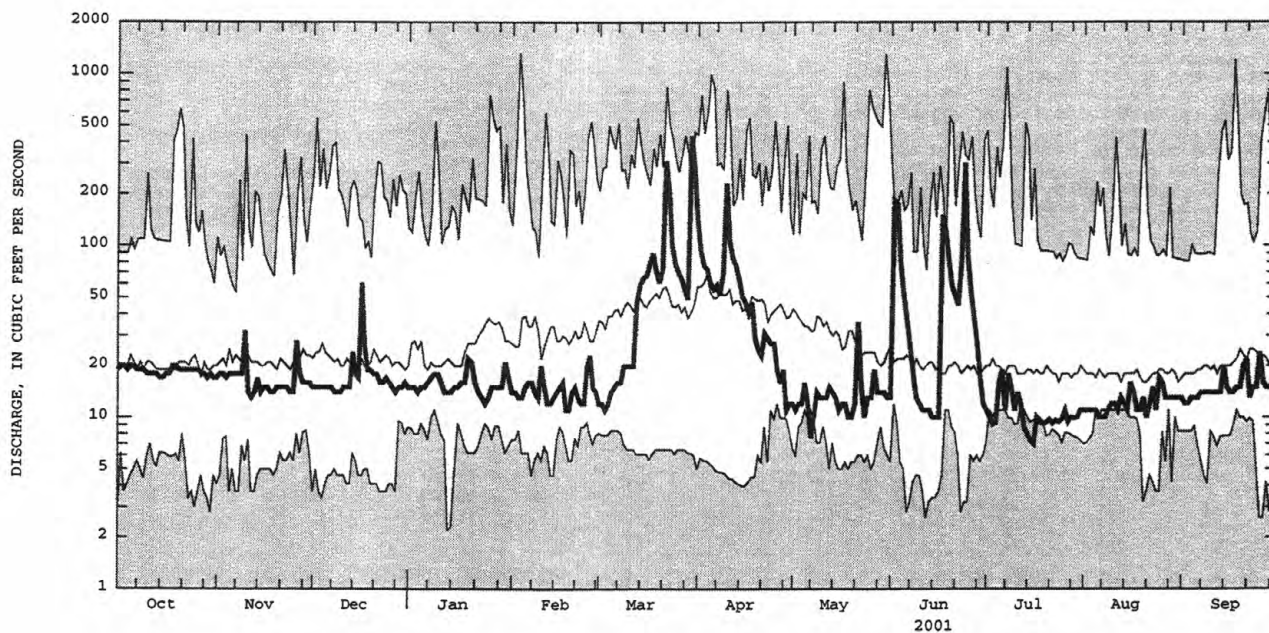
	MEAN	30.7	30.2	37.1	41.5	47.4	68.4	71.1	50.3	34.9	32.1	27.1	34.4
MAX	84.2	88.6	135	125	152	151	204	162	162	127	83.3	105	
(WY)	1990	1976	1997	1978	1973	1961	1983	1989	1972	1984	1966	1999	
MIN	7.27	7.59	5.63	8.95	10.3	6.95	9.61	7.04	12.7	10.1	12.2	9.34	
(WY)	1967	1967	1967	1967	1967	1981	1966	1965	1981	1999	2001	1962	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1959 - 2001	
ANNUAL TOTAL	9703.0		10055.8			
ANNUAL MEAN	26.5		27.6		42.2	
HIGHEST ANNUAL MEAN					74.1	
LOWEST ANNUAL MEAN					13.4	
HIGHEST DAILY MEAN	266	Jun 7	437	Mar 30	1320	Feb 3 1973
LOWEST DAILY MEAN	8.4	Jun 5	7.0	Jul 16	2.2	Jan 13 1996
ANNUAL SEVEN-DAY MINIMUM	12	Jan 18	8.5	Jul 13	3.1	Sep 25 1966
10 PERCENT EXCEEDS	46		60		84	
50 PERCENT EXCEEDS	19		15		23	
90 PERCENT EXCEEDS	14		11		12	

e Estimated

HACKENSACK RIVER BASIN

01376800 HACKENSACK RIVER AT WEST NYACK, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01377000 HACKENSACK RIVER AT RIVERVALE, NJ

LOCATION.--Lat 40°59'57", long 73°59'23" (revised), Bergen County, Hydrologic Unit 02030103, on upstream right bank at bridge on Westwood Avenue in Rivervale, 1.5 mi upstream from Pascack Brook, 4.1 mi downstream of Lake Tappan, and 4.6 mi upstream from Oradell Dam.

DRAINAGE AREA.--58.0 mi².

PERIOD OF RECORD.--October 1941 to current year.

REVISED RECORDS.--WDR-NJ-80-1: 1968-79(M).

GAGE.--Water-stage recorder, crest-stage gages, and concrete control. Datum of gage is 22.51 ft above sea level.

REMARKS.--Records good. Flow regulated by De Forest Lake (since 1956) and Lake Tappan (since 1965), see Hackensack River basin, reservoirs in. Diversions from De Forest Lake and West Nyack, NY, for municipal water supply (see Hackensack River basin, diversions). Several measurements of water temperature were made during the year. United Water New Jersey (formerly Hackensack Water Co.) gage-height telemetry at station.

COOPERATION.--Gage-height record collected in cooperation with United Water New Jersey.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	97	22	22	44	43	288	31	22	57	117	30
2	32	96	22	22	44	43	166	30	116	68	117	29
3	33	81	22	22	42	43	138	29	123	43	113	28
4	33	72	21	22	40	43	118	29	153	37	109	27
5	33	72	21	24	40	43	104	26	113	56	109	29
6	49	72	39	32	42	43	96	29	85	79	102	29
7	91	72	66	32	43	45	101	67	67	55	88	33
8	106	72	66	32	42	46	93	72	54	77	87	49
9	106	55	66	33	41	49	97	72	43	73	86	54
10	106	63	66	32	51	49	434	72	35	55	86	71
11	106	26	65	32	45	47	238	72	31	52	86	76
12	106	23	65	32	41	45	147	71	32	45	92	70
13	107	23	62	34	41	78	133	70	30	35	84	68
14	121	27	49	52	42	52	113	70	27	29	46	86
15	121	29	30	54	43	42	95	73	25	25	40	71
16	121	23	24	55	44	35	86	76	25	24	38	70
17	121	23	87	55	49	35	81	76	805	24	35	70
18	95	23	36	55	42	35	80	78	1080	23	30	69
19	103	23	26	63	41	31	67	76	221	22	30	65
20	101	22	24	52	42	30	59	76	113	22	47	53
21	101	23	23	42	43	43	56	77	92	21	30	55
22	101	24	23	39	41	137	67	110	79	21	27	31
23	101	43	22	38	42	107	64	68	84	74	33	29
24	101	48	22	38	41	169	59	40	380	118	40	29
25	101	48	21	37	51	150	55	24	237	120	30	48
26	99	69	21	37	55	127	48	18	114	125	29	31
27	99	35	21	37	45	115	44	26	85	122	29	29
28	99	24	21	37	44	99	42	17	68	120	29	29
29	99	22	21	37	---	89	36	26	55	119	29	29
30	97	23	21	50	---	626	33	25	44	119	29	29
31	84	---	25	48	---	858	---	22	---	118	30	---
TOTAL	2805	1353	1120	1197	1221	3397	3238	1648	4438	1978	1877	1416
MEAN	90.5	45.1	36.1	38.6	43.6	110	108	53.2	148	63.8	60.5	47.2
MAX	121	97	87	63	55	858	434	110	1080	125	117	86
MIN	32	22	21	22	40	30	33	17	22	21	27	27

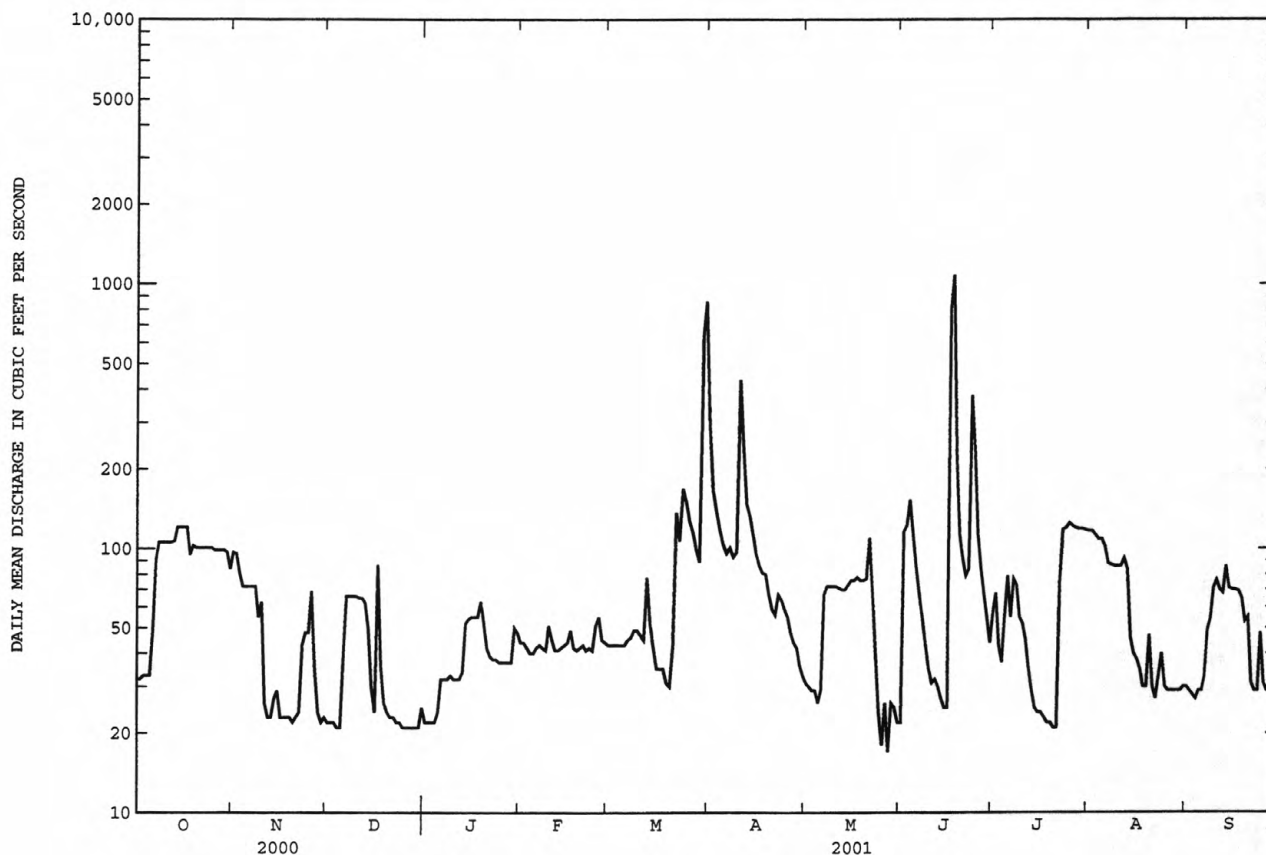
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2001, BY WATER YEAR (WY)

	MEAN	59.5	69.1	78.2	86.7	90.0	134	137	100	75.5	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	23.0	11.2	14.5	20.4	13.4	11.6	11.4	7.87	
(WY)	1942	1996	1981	1982	1967	1981	1981	1981	1957	1954	1944	1953	

HACKENSACK RIVER BASIN

01377000 HACKENSACK RIVER AT RIVERVALE, NJ--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1942 - 2001	
ANNUAL TOTAL	24129		25688		86.9	
ANNUAL MEAN	65.9		70.4		156	
HIGHEST ANNUAL MEAN					30.9	
LOWEST ANNUAL MEAN					2190	
HIGHEST DAILY MEAN	492	Jun 7	1080	Jun 18	4.4	May 31 1984
LOWEST DAILY MEAN	21	Dec 4	17	May 28	5.0	Oct 10 1995
ANNUAL SEVEN-DAY MINIMUM	21	Dec 24	21	Dec 24	2530	May 17 1989
MAXIMUM PEAK FLOW			1560	Jun 18	8.08	May 17 1989
MAXIMUM PEAK STAGE			5.62	Jun 18	.00	Jan 16 1970
INSTANTANEOUS LOW FLOW			14	Dec 30		
10 PERCENT EXCEEDS	108		115			
50 PERCENT EXCEEDS	56		48			
90 PERCENT EXCEEDS	28		23			



RESERVOIRS IN HACKENSACK RIVER BASIN

01376700 DE FOREST LAKE.--Lat 41°06'23", long 73°58'01, Rockland County, NY, Hydrologic Unit 02030103, at dam on Hackensack River, 0.8 mi north of West Nyack, NY. DRAINAGE AREA, 27.5 mi². 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 sea level.

REMARKS.--Reservoir is formed by earthfill dam with sheet piling cutoff and concrete spillway; dam completed and storage began in February 1956. Crest of dam topped by two 50 ft Bascule Gates, 5 ft high. Capacity 5,670,000,000 gal, elevation, 85.00 ft, top of Bascule gates. Flow regulated by 12-inch Howell-Bunger valve at elevation, 59.25 ft and 24-inch Howell-Bunger valve at elevation, 61.25 ft. Reservoir used for storage and water released by United Water New Jersey, for municipal water supply.

COOPERATION.--Records provided by United Water New Jersey (formerly Hackensack Water Company).

01376950 LAKE TAPPAN.--Lat 41°01'05", long 74°00'05", Bergen County, Hydrologic Unit 02030103, at dam on Hackensack River, 0.5 mi north of Old Tappan. DRAINAGE AREA, about 49.0 mi². 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 sea level.

REMARKS.--Reservoir is formed by earthfill dam, completed in 1966. Capacity, 3,853,000,000 gal, elevation, 55.00 ft at top of Bascule gates. Flow regulated by four Bascule gates and one sluice gate. Water is released for diversion at New Milford (diversion discontinued May 1990) and Haworth by United Water New Jersey, for municipal water supply.

COOPERATION.--Records provided by United Water New Jersey (formerly Hackensack Water Company).

01377450 WOODCLIFF LAKE.--Lat 41°00'46", long 74°02'58", Bergen County, Hydrologic Unit 02030103, at dam on Pascack Brook, 0.7 mi north of Hillsdale. DRAINAGE AREA, 19.4 mi². 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 sea level.

REMARKS.--Reservoir is formed by earthfill dam, completed about 1905. The dam was modified in 1984, which increased capacity, 871,000,000 gal, elevation, 95.00 ft at top of Bascule gates. Flow is regulated by two Bascule gates 85 ft long and 6 ft high each and one 24-inch Ball valve. Water is released for diversion at New Milford (diversion discontinued May 1990) and Haworth by United Water New Jersey, for municipal supply.

COOPERATION.--Records provided by United Water New Jersey (formerly Hackensack Water Company).

01378480 ORADELL RESERVOIR.--Lat 40°57'22", long 74°01'46", Bergen County, Hydrologic Unit 02030103, at dam on Hackensack River at Oradell. DRAINAGE AREA, 113 mi². 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 sea level.

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 2000 TO SEPTEMBER 2001

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.....	83.60	5,220	--	54.18	3,562	--
Oct. 31.....	81.99	4,717	-25.1	49.74	2,130	-71.5
Nov. 30.....	81.56	4,588	-6.7	49.52	2,067	-3.2
Dec. 31.....	82.05	4,737	+7.4	50.47	2,345	+13.9
CAL YR 2000			-4.0			-4.7
Jan. 31.....	82.45	4,861	+6.2	50.51	2,360	+7
Feb. 28.....	83.92	5,321	+25.4	51.47	2,656	+15.8
Mar. 31.....	85.36	5,808	+24.3	55.43	4,007	+67.4
Apr. 30.....	84.98	5,663	-7.5	55.07	3,877	-6.7
May 31.....	84.80	5,606	-2.8	54.11	3,537	-17.0
June 30.....	85.03	5,679	+3.8	55.08	3,879	+17.6
July 31.....	84.04	5,360	-15.9	53.20	3,224	-32.7
Aug. 31.....	82.20	4,781	-28.9	51.16	2,560	-33.1
Sept.30.....	81.19	4,476	-15.7	50.15	2,249	-16.0
WTR YR 2001			-3.1			-5.6
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.....	90.42	622	--	19.97	2,694	--
Oct. 31.....	88.43	523	-4.9	19.27	2,529	-8.2
Nov. 30.....	91.25	666	+7.4	19.88	2,672	+7.4
Dec. 31.....	88.67	534	-6.6	20.43	2,804	+6.6
CAL YR 2000			-4			+1.2
Jan. 31.....	88.59	530	-2	19.60	2,607	-9.8
Feb. 28.....	90.33	618	+4.9	19.61	2,608	+1
Mar. 31.....	91.36	671	+2.6	21.48	3,065	+22.8
Apr. 30.....	91.07	657	-7	20.37	2,789	-14.3
May 31.....	91.14	660	+2	21.03	2,952	+8.1
June 30.....	92.06	709	+2.5	21.76	3,137	+9.5
July 31.....	88.73	537	-8.6	19.20	2,512	-31.2
Aug. 31.....	87.35	471	-3.3	19.83	2,660	+7.4
Sept.30.....	88.19	511	+2.1	20.31	2,775	+5.9
WTR YR 2001			-5			+3

† Elevation at 2400 of the last day of each month.

HACKENSACK RIVER BASIN

DIVERSIONS INTO AND FROM HACKENSACK RIVER BASIN

- 01376272 United Water New Jersey, diverts water from Sparkill Creek (Hudson River basin) at foot of Danny Lane in Northvale, 300 ft south of New York-New Jersey state line and 0.6 mi upstream from Sparkill Brook. Water is diverted into Oradell Reservoir on the Hackensack River, for municipal supply. Records provided by United Water New Jersey (formerly Hackensack Water Company).
- 01376699 United Water New York diverts water from De Forest Lake for municipal supply in Rockland County, NY. Records provided by United Water New York (formerly Spring Valley Water Company).
- 01376810 Village of Nyack, NY, diverts water from Hackensack River 100 ft downstream from gaging station on Hackensack River at West Nyack, NY (station 01376800, measured flow does not include diversions) for municipal supply. Records provided by Board of Water Commissioners of Nyack, NY.
- 01378490 United Water New Jersey, diverts water for municipal supply from Oradell Reservoir at Haworth pumping station (station 01378478) 2.0 mi upstream from gaging station on Hackensack River at New Milford and prior to May 1990 from Hackensack River, at New Milford pumping station just upstream from gaging station on Hackensack River at New Milford, NJ (station 01378500). Diversion from the New Milford pumping station was discontinued in May 1990. Records provided by United Water New Jersey (formerly Hackensack Water Company).
- 01378521 (revised) United Water New Jersey, diverts water from Hirshfeld Brook, a tributary of the Hackensack River, below the gaging station on Hackensack River at New Milford, NJ, for municipal supply. Records provided by United Water New Jersey (formerly Hackensack Water Company).
- 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 2000 TO SEPTEMBER 2001

MONTH	01376699 UNITED WATER NEW YORK.	01376810 WEST NYACK, NY	01378490 UNITED WATER NEW JERSEY
October	12.3	3.13	139
November	12.4	2.64	135
December	12.3	2.93	130
CAL YR 2000	13.4	2.95	146
January	12.4	3.08	132
February	12.4	3.12	141
March	11.9	3.08	144
April	12.2	2.77	141
May	15.3	3.09	172
June	16.5	3.12	183
July	17.7	3.28	185
August	18.5	3.42	191
September	15.5	3.55	174
WTR YR 2001	14.1	3.09	155

The following are diversions by pumpage from sources other than the Hackensack River into Oradell Reservoir. These figures are included in diversions from Hackensack River as noted above (station 01378490)

MONTH	01376272 SPARKILL CREEK (HUDSON RIVER BASIN)	01378521 HIRSHFELD BROOK (HACKENSACK RIVER BASIN)	01388981 POMPTON RIVER (PASSAIC RIVER BASIN)	01390520 SADDLE RIVER (PASSAIC RIVER BASIN)	WELLS TO SURFACE SUPPLY
October	0	.39	0	5.54	.45
November	0	2.25	30.5	11.5	.40
December	0	1.50	18.0	7.72	.24
CAL YR 2000	.06	.59	9.67	4.40	.46
January	0	0	24.3	.01	.24
February	0	0	16.8	0	.21
March	0	0	10.9	0	.21
April	0	0	0	0	.47
May	0	6.00	51.6	12.6	.59
June	0	2.11	10.4	1.65	.60
July	0	1.45	26.2	8.04	.43
August	0	2.22	66.3	10.4	2.19
September	0	1.52	62.2	10.9	2.50
WTR YR 2001	0	1.46	26.4	5.72	.71

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 mi².

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 sea level.

REMARKS.--Records fair. Occasional regulation by Lake Sebago.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,700 ft³/s, Apr. 5, 1984, gage height, 13.82 ft, from rating curve extended above 3,600 ft³/s on basis of runoff comparison with station 1.5 mi downstream; minimum discharge, 5.3 ft³/s, Aug. 7, 1983, gage height, 1.27 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 6,100 ft³/s, Mar. 12, 1936, by computation of flow over dam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,050 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	0315	1,980	5.79	Mar. 31	0145	1,300	4.71
Mar. 22	1645	*2,080	*5.93				

Minimum discharge, 9.8 ft³/s, Sept. 13, 14, gage height, 1.48 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	18	101	114	219	219	732	79	65	71	20	16
2	26	17	89	115	218	205	523	76	524	71	21	17
3	24	17	78	126	203	194	422	71	555	60	21	17
4	22	16	70	93	176	191	362	67	300	54	23	16
5	22	15	66	102	172	207	321	63	202	62	24	15
6	25	16	63	91	200	209	299	58	159	78	22	15
7	25	16	59	86	171	198	291	54	132	64	21	15
8	21	16	56	82	147	185	267	50	112	77	20	15
9	19	16	54	85	137	182	283	47	94	87	21	15
10	17	73	51	80	210	178	633	45	81	69	21	16
11	16	94	53	73	285	166	445	42	75	65	22	16
12	15	82	59	71	228	164	367	39	79	59	22	14
13	14	64	58	67	203	326	327	37	71	47	22	10
14	13	65	97	65	191	419	270	32	64	42	21	17
15	13	97	129	68	196	367	234	28	59	37	18	21
16	12	84	111	72	214	366	216	26	54	33	19	14
17	12	69	920	74	251	478	199	24	158	30	20	13
18	16	60	1680	74	214	496	192	26	154	29	20	12
19	49	53	787	95	188	436	161	27	103	27	19	11
20	36	49	459	152	178	417	141	24	81	25	20	12
21	27	45	329	147	186	530	135	29	70	23	18	23
22	22	42	269	124	175	1750	167	76	67	21	16	26
23	20	37	223	104	172	1530	150	112	155	20	18	17
24	19	34	193	97	154	1020	132	85	440	21	17	14
25	18	32	169	92	171	725	120	68	242	22	17	26
26	18	86	174	85	268	e550	108	66	182	22	16	29
27	17	162	124	84	269	e400	98	90	131	23	16	20
28	17	131	114	81	247	e350	93	185	104	19	17	15
29	17	108	101	76	---	e300	86	141	85	19	16	14
30	17	105	109	107	---	814	82	105	73	20	16	13
31	20	---	148	203	---	1140	---	78	---	22	17	---
TOTAL	637	1719	6993	2985	5643	14712	7856	1950	4671	1319	601	494
MEAN	20.5	57.3	226	96.3	202	475	262	62.9	156	42.5	19.4	16.5
MAX	49	162	1680	203	285	1750	732	185	555	87	24	29
MIN	12	15	51	65	137	164	82	24	54	19	16	10
CFSM	.24	.66	2.60	1.11	2.32	5.46	3.01	.72	1.79	.49	.22	.19
IN.	.27	.74	2.99	1.28	2.42	6.30	3.36	.83	2.00	.56	.26	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2001, BY WATER YEAR (WY)

	MEAN	95.1	161	205	185	206	316	322	199	114	63.0	49.7	70.9
MAX	352	437	642	594	424	774	802	704	267	291	270	451	
(WY)	1990	1996	1984	1996	1981	1983	1984	1989	1982	1996	1990	1999	
MIN	14.5	17.5	18.0	16.8	46.8	122	84.9	62.9	25.5	13.7	10.7	10.8	
(WY)	1985	1999	1999	1981	1980	1981	1985	2001	1999	1993	1981	1981	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

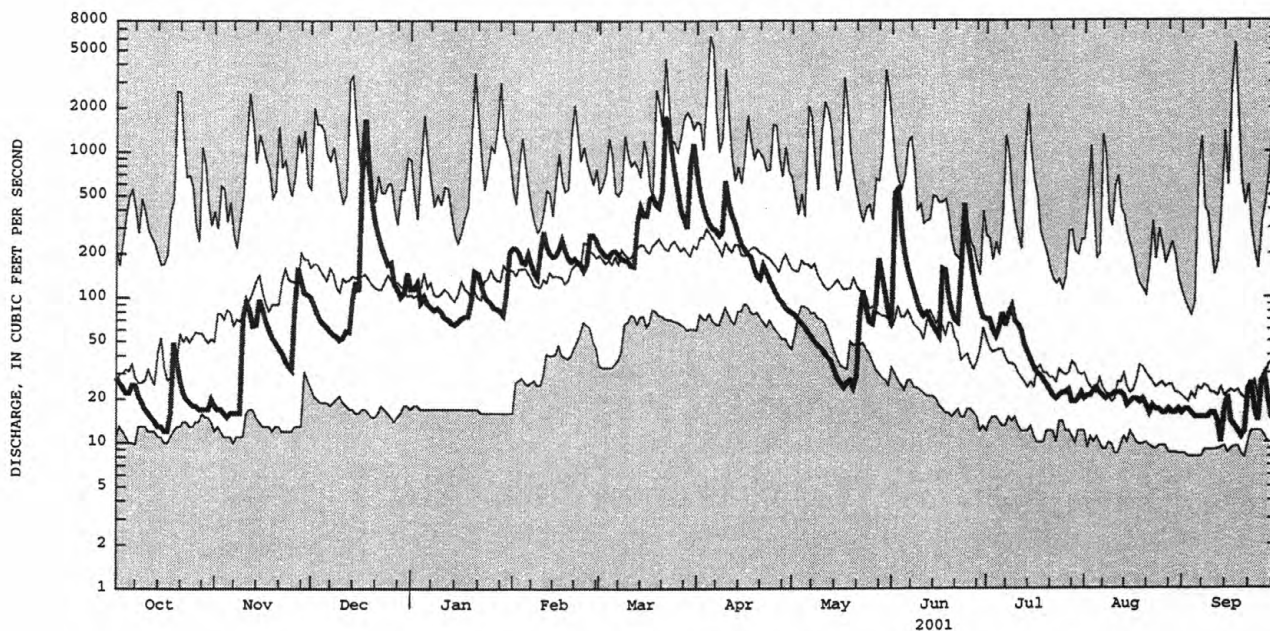
WATER YEARS 1979 - 2001

ANNUAL TOTAL	55388	49580	
ANNUAL MEAN	151	136	165
HIGHEST ANNUAL MEAN			284
LOWEST ANNUAL MEAN			80.4
HIGHEST DAILY MEAN	1680	1750	6300
LOWEST DAILY MEAN	12	10	7.9
ANNUAL SEVEN-DAY MINIMUM	14	14	8.1
ANNUAL RUNOFF (CFSM)	1.74	1.56	1.90
ANNUAL RUNOFF (INCHES)	23.71	21.22	25.82
10 PERCENT EXCEEDS	290	300	349
50 PERCENT EXCEEDS	106	72	92
90 PERCENT EXCEEDS	24	16	17

e Estimated

PASSAIC RIVER BASIN

01387400 RAMAPO RIVER AT RAMAPO, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01387420 RAMAPO RIVER AT SUFFERN, NY

LOCATION.--Lat 41°07'06", long 74°09'38", Rockland County, Hydrologic Unit 02030103, on left bank, 145 ft downstream from highway bridge on New York State Thruway at Suffern, and 1.1 mi upstream from Mahwah River.

DRAINAGE AREA.--93.0 mi².

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 sea level.

REMARKS.--Records good 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 ft³/s, Apr. 5, 1984, gage height, 15.38 ft, from rating curve extended above 5,400 ft³/s; minimum discharge, 1.7 ft³/s, Sept. 7, 1995, gage height, 1.04 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 6,600 ft³/s, Mar. 12, 1936, by computation of flow over dam at site 0.65 mi upstream, drainage area, 90.6 mi².

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	0400	1,990	7.46	Mar. 31	0400	1,230	5.91
Mar. 22	1830	*2,090	*7.65				

Minimum discharge, 4.6 ft³/s, Sept. 13, 20, gage height, 1.25 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	14	93	115	263	259	751	73	62	64	13	12
2	26	14	82	98	259	235	583	69	605	64	13	12
3	24	13	72	93	233	215	485	64	614	49	13	12
4	22	13	65	91	189	208	420	59	361	42	14	12
5	23	13	60	86	187	234	e375	53	235	52	15	12
6	25	14	58	88	223	236	353	48	167	70	13	12
7	25	13	54	83	181	219	339	43	133	54	13	12
8	22	13	50	79	155	199	311	40	109	67	13	12
9	20	13	49	81	144	196	335	38	89	80	13	12
10	19	64	47	76	243	191	656	35	75	60	13	12
11	17	81	48	71	339	178	500	32	67	54	13	12
12	16	71	52	69	271	177	424	30	72	45	13	12
13	15	55	51	65	232	384	380	29	62	34	13	8.7
14	15	56	92	63	209	482	319	26	52	30	14	12
15	14	85	124	66	221	430	277	24	46	26	13	16
16	14	75	105	70	249	429	252	23	41	23	13	12
17	14	61	967	73	299	541	224	22	182	20	13	12
18	17	53	1670	72	249	561	214	24	163	19	13	12
19	38	46	811	98	205	499	173	24	99	18	12	12
20	29	42	525	160	189	476	150	22	75	17	13	8.7
21	22	39	388	151	202	555	143	25	64	16	12	20
22	18	36	320	122	186	1730	172	73	59	14	12	21
23	17	33	262	104	183	1500	154	111	168	13	14	14
24	15	30	211	95	164	974	132	87	495	13	12	13
25	15	29	171	90	191	738	115	68	283	13	12	25
26	14	94	164	83	323	590	102	65	196	13	12	23
27	14	161	127	82	321	491	95	89	130	14	12	16
28	13	126	115	79	295	413	89	189	99	13	12	13
29	13	100	99	75	---	367	82	142	79	13	12	12
30	13	97	101	115	---	833	77	102	67	13	12	12
31	15	---	148	234	---	1090	---	75	---	13	12	---
TOTAL	592	1554	7181	2927	6405	15630	8682	1804	4949	1036	397	406.4
MEAN	19.1	51.8	232	94.4	229	504	289	58.2	165	33.4	12.8	13.5
MAX	38	161	1670	234	339	1730	751	189	614	80	15	25
MIN	13	13	47	63	144	177	77	22	41	13	12	8.7
‡	8.4	8.3	7.7	7.9	6.5	7.1	10.5	10.0	9.6	10.0	9.1	6.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2001, BY WATER YEAR (WY)

	MEAN	98.1	173	213	197	218	332	337	210	111	60.3	49.0	73.4
MAX	389	496	693	654	475	816	862	777	269	308	305	508	
(WY)	1990	1996	1984	1996	1981	1983	1984	1989	1982	1996	1990	1999	
MIN	11.0	14.6	14.8	6.84	49.7	128	77.1	58.2	18.5	8.03	7.40	8.17	
(WY)	1985	1999	1999	1981	1980	1981	1985	2001	1999	1993	1993	1995	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1979 - 2001

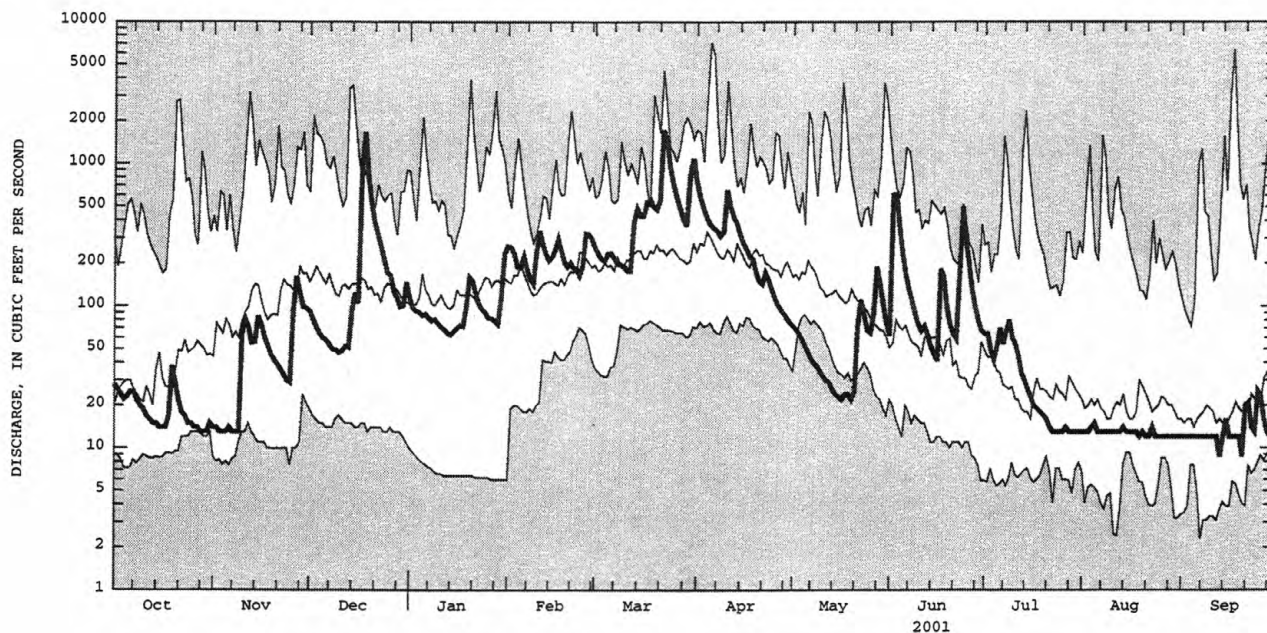
ANNUAL TOTAL	58919	51563.4	
ANNUAL MEAN	161	141	172
ANNUAL MEAN (‡)	8.8	8.5	
HIGHEST ANNUAL MEAN			295
LOWEST ANNUAL MEAN			78.2
HIGHEST DAILY MEAN	1670	Dec 18	1730
LOWEST DAILY MEAN	13	Oct 28	8.7
ANNUAL SEVEN-DAY MINIMUM	13	Nov 3	12
10 PERCENT EXCEEDS	333		363
50 PERCENT EXCEEDS	102		67
90 PERCENT EXCEEDS	22		13

e Estimated

‡ Diversion, in cubic feet per second, by pumpage from well field upstream of station.

PASSAIC RIVER BASIN

01387420 RAMAPO RIVER AT SUFFERN, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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LOCATION.--Lat 41°05'53", long 74°09'47" (revised), 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.

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.

GAGE.--Water-stage recorder. Datum of gage is 253.10 ft above sea level. 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 telemetry at station.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 18	0200	*2,560	*7.64	Mar 30	2145	1,460	6.47
Mar 22	1715	2,450	7.54				

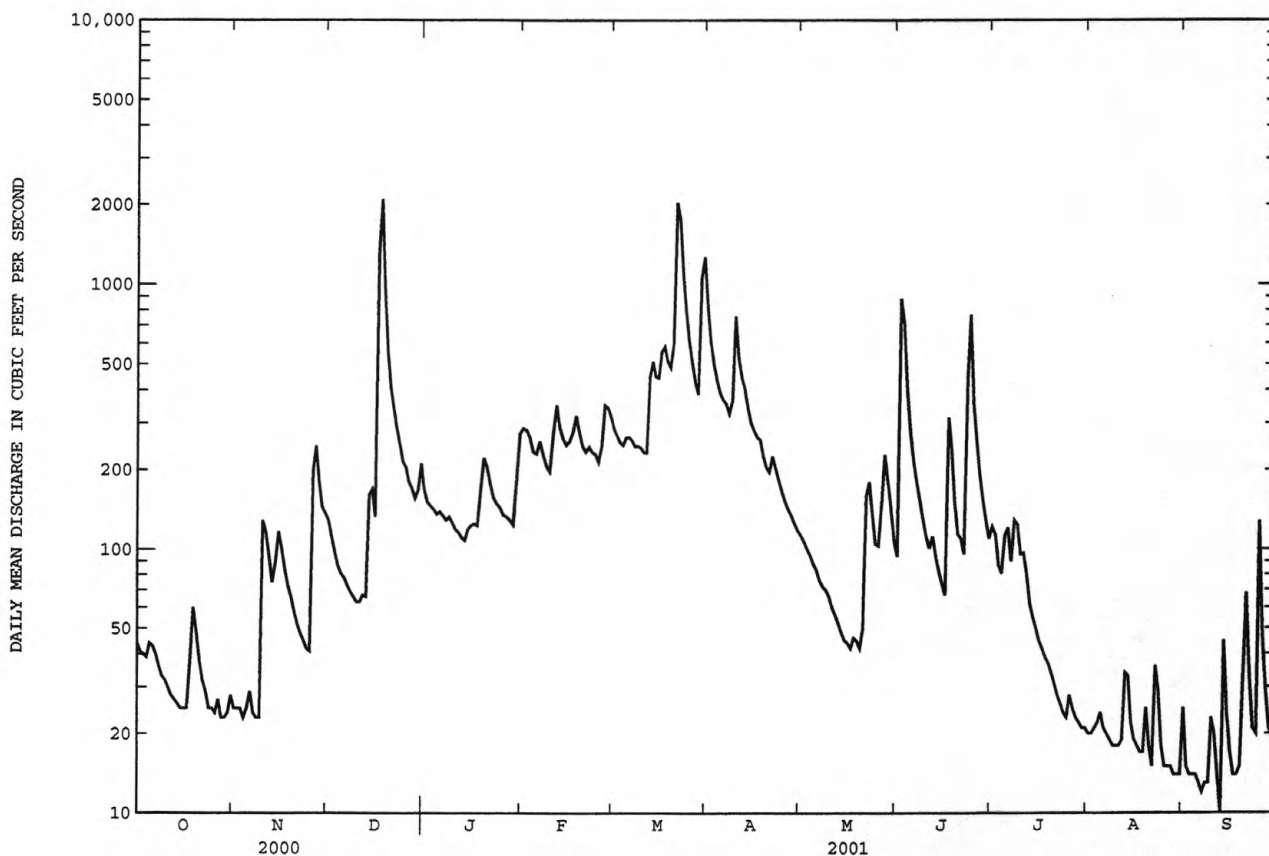
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	25	129	168	287	285	825	113	94	122	20	25
2	41	25	112	151	283	269	610	107	883	114	20	15
3	40	25	98	146	265	254	504	100	718	87	21	14
4	39	23	87	142	234	248	436	95	399	81	22	14
5	44	25	81	136	230	265	390	88	275	113	24	14
6	43	29	78	139	256	266	368	83	215	121	21	13
7	40	24	73	134	228	258	355	76	180	90	20	12
8	36	23	69	129	207	245	326	72	154	129	19	13
9	33	23	66	133	197	246	365	70	130	124	18	13
10	32	129	63	126	274	242	760	66	112	96	18	23
11	30	117	63	119	352	233	528	60	101	97	18	20
12	28	95	67	116	289	232	447	56	112	80	19	14
13	27	75	66	111	262	448	403	52	94	62	34	10
14	26	89	161	108	248	512	343	48	82	55	33	45
15	25	117	169	119	256	450	302	45	74	50	22	24
16	25	101	133	123	278	444	281	44	67	45	19	17
17	25	84	1300	125	320	558	266	42	315	42	18	14
18	38	73	2100	123	276	584	260	46	237	39	17	14
19	60	66	941	165	245	514	225	45	150	37	17	15
20	49	58	559	222	234	486	205	42	114	34	25	33
21	38	52	408	205	244	602	196	50	110	31	18	68
22	32	48	340	177	233	2040	225	158	96	28	15	33
23	29	45	286	157	229	1750	203	180	433	26	36	21
24	25	42	249	149	214	1090	183	136	769	24	29	20
25	25	41	215	144	247	789	166	105	355	23	18	128
26	24	198	205	135	351	611	152	103	255	28	15	47
27	27	246	180	133	343	505	142	147	192	25	15	29
28	23	181	170	129	317	427	134	228	155	23	15	21
29	23	145	156	124	---	385	125	181	129	22	14	19
30	24	137	168	183	---	1070	118	143	110	21	14	18
31	28	---	212	274	---	1270	---	108	---	21	14	---
TOTAL	1023	2361	9004	4545	7399	17578	9843	2889	7110	1890	628	766
MEAN	33.0	78.7	290	147	264	567	328	93.2	237	61.0	20.3	25.5
MAX	60	246	2100	274	352	2040	825	228	883	129	36	128
MIN	23	23	63	108	197	232	118	42	67	21	14	10
CFSM	.28	.66	2.42	1.22	2.20	4.73	2.73	.78	1.98	.51	.17	.21
IN.	.32	.73	2.79	1.41	2.29	5.45	3.05	.90	2.20	.59	.19	.24

MEAN	142	222	273	267	281	443	400	256	153	98.6	98.4	111
MAX	954	736	873	877	701	1151	1055	994	735	602	755	641
(WY)	1904	1978	1984	1979	1970	1936	1984	1989	1972	1945	1955	1999
MIN	13.8	21.6	19.8	16.5	70.8	144	88.4	79.5	29.6	15.8	11.3	11.1
(WY)	1942	1999	1999	1981	1980	1985	1985	1905	1999	1993	1993	1964

PASSAIC RIVER BASIN

01387500 RAMAPO RIVER NEAR MAHWAH, NJ--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1903 - 2001	
ANNUAL TOTAL	74232		65036		228	
ANNUAL MEAN	203		178		461	1903
HIGHEST ANNUAL MEAN					99.5	1985
LOWEST ANNUAL MEAN					8920	Oct 9 1903
HIGHEST DAILY MEAN	2100	Dec 18	2100	Dec 18	1.2	Aug 12 1993
LOWEST DAILY MEAN	23	Oct 28	10	Sep 13	3.7	Sep 7 1995
ANNUAL SEVEN-DAY MINIMUM	24	Oct 24	13	Sep 3	15500a	Apr 5 1984
MAXIMUM PEAK FLOW			2560	Dec 18	13.35	Apr 5 1984
MAXIMUM PEAK STAGE			7.64	Dec 18	.20	Aug 11 1993
INSTANTANEOUS LOW FLOW			5.8	Sep 20	1.90	
ANNUAL RUNOFF (CFSM)	1.69		1.48		25.87	
ANNUAL RUNOFF (INCHES)	23.01		20.16		504	
10 PERCENT EXCEEDS	404		394		138	
50 PERCENT EXCEEDS	140		111		27	
90 PERCENT EXCEEDS	41		20			

a From rating curve extended above 6,500 ft³/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 mi².

PERIOD OF RECORD.--June 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,480 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional diurnal fluctuations as a result of pumpage from Town of Roxbury well field upstream of station. Telephone gage-height telemeter at station. Also published as a water-quality miscellaneous site.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 316 ft³/s, Apr. 13, 2001, gage height, 5.98 ft; minimum discharge, 0.17 ft³/s, Aug. 30, 31, Sept. 10, 18, 19, 20, 2001; minimum gage height, 2.50 ft, Aug. 30, 31, Sept. 10, 2001.

EXTREMES FOR CURRENT PERIOD.--June to September 2000: Maximum discharge, 230 ft³/s, June 7, gage height, 5.48 ft, from crest-stage gage; minimum discharge, 1.9 ft³/s, Sept. 30; minimum gage height, 2.78 ft, Aug. 6.

Water year 2001: Peak discharges greater than base discharge of 80 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1900	277	5.76	Apr. 13	2015	*316	*5.98
Feb. 10	1145	83	4.29				

Minimum discharge, 0.17 ft³/s, Aug. 30, 31, Sept. 10, 18, 19, 20; minimum gage height, 2.50 ft, Aug. 30, 31, Sept. 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	13	4.1	3.9
2	---	---	---	---	---	---	---	---	---	11	3.8	4.0
3	---	---	---	---	---	---	---	---	---	11	3.5	3.8
4	---	---	---	---	---	---	---	---	---	13	3.0	5.4
5	---	---	---	---	---	---	---	---	---	9.9	2.7	5.6
6	---	---	---	---	---	---	---	---	---	8.1	2.5	4.2
7	---	---	---	---	---	---	---	---	e200	7.4	4.7	3.6
8	---	---	---	---	---	---	---	---	111	6.3	4.0	3.6
9	---	---	---	---	---	---	---	---	78	5.9	3.0	3.1
10	---	---	---	---	---	---	---	---	59	5.9	7.6	3.4
11	---	---	---	---	---	---	---	---	54	5.5	5.6	4.4
12	---	---	---	---	---	---	---	---	78	5.3	19	4.2
13	---	---	---	---	---	---	---	---	65	4.5	20	20
14	---	---	---	---	---	---	---	---	78	4.5	13	7.5
15	---	---	---	---	---	---	---	---	63	8.4	17	11
16	---	---	---	---	---	---	---	---	54	15	18	8.2
17	---	---	---	---	---	---	---	---	45	8.6	15	6.0
18	---	---	---	---	---	---	---	---	44	e7.4	13	5.1
19	---	---	---	---	---	---	---	---	43	e6.2	14	4.8
20	---	---	---	---	---	---	---	---	32	5.5	10	4.5
21	---	---	---	---	---	---	---	---	30	4.5	8.8	4.2
22	---	---	---	---	---	---	---	---	47	4.3	7.7	3.6
23	---	---	---	---	---	---	---	---	30	4.0	8.4	3.4
24	---	---	---	---	---	---	---	---	26	3.6	9.6	3.5
25	---	---	---	---	---	---	---	---	24	3.7	8.7	3.3
26	---	---	---	---	---	---	---	---	24	3.7	6.3	3.2
27	---	---	---	---	---	---	---	---	21	4.5	5.8	3.0
28	---	---	---	---	---	---	---	---	18	4.7	5.3	2.8
29	---	---	---	---	---	---	---	---	16	3.7	4.8	2.5
30	---	---	---	---	---	---	---	---	14	4.2	4.7	2.4
31	---	---	---	---	---	---	---	---	---	4.6	4.1	---
TOTAL	---	---	---	---	---	---	---	---	---	207.9	257.7	148.2
MEAN	---	---	---	---	---	---	---	---	---	6.71	8.31	4.94
MAX	---	---	---	---	---	---	---	---	---	15	20	20
MIN	---	---	---	---	---	---	---	---	---	3.6	2.5	2.4
CFSM	---	---	---	---	---	---	---	---	---	.50	.62	.37
IN.	---	---	---	---	---	---	---	---	---	.57	.71	.41

e Estimated

DELAWARE RIVER BASIN

01413088 EAST BRANCH DELAWARE RIVER AT ROXBURY, NY--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	6.2	12	e15	16	18	15	20	6.1	9.1	1.3	.87
2	2.2	5.9	11	e14	14	18	15	18	12	8.0	1.2	.67
3	2.5	5.8	11	14	13	17	15	17	13	6.8	1.3	.58
4	2.9	5.7	10	13	12	15	18	16	12	6.6	1.2	.64
5	4.4	5.9	e10	e12	13	15	24	15	11	7.4	1.2	.61
6	13	5.9	e10	12	13	15	32	13	9.8	5.9	1.2	.55
7	7.3	5.5	e9.8	11	12	14	56	13	8.8	5.2	1.0	.33
8	4.6	5.0	9.6	e10	12	13	92	12	8.6	5.2	.90	.27
9	4.0	4.8	9.7	10	20	13	161	11	7.4	5.7	.72	.27
10	3.6	8.8	9.1	9.7	67	12	262	12	7.0	4.6	.76	.29
11	3.7	11	e8.8	9.5	48	12	223	10	7.8	5.2	.76	.37
12	3.5	9.1	e8.4	9.2	e38	11	228	10	7.6	4.7	.78	.23
13	3.2	7.8	e8.0	8.4	e35	22	298	9.9	6.5	4.1	.76	.25
14	3.2	12	e8.4	8.4	e32	24	248	8.5	5.7	3.9	.74	.73
15	3.0	16	e9.0	8.4	e30	18	167	8.0	5.6	3.5	.76	.53
16	3.5	13	e10	8.6	e29	19	122	7.3	6.2	3.2	.61	.41
17	4.8	12	149	8.3	e28	19	96	8.0	23	3.3	.73	.26
18	14	12	177	7.9	27	17	78	7.3	11	3.0	.74	.22
19	13	12	97	7.8	24	17	65	6.8	7.8	2.6	.60	.19
20	9.9	12	73	7.6	e23	19	56	6.2	8.4	2.3	.57	.50
21	8.6	12	56	7.2	e22	22	52	5.9	9.5	1.9	.49	1.2
22	8.3	12	47	6.6	20	24	61	8.4	7.8	1.8	.38	.98
23	7.7	11	38	6.3	19	22	64	9.2	19	1.7	.41	.77
24	7.8	10	33	6.5	17	20	54	8.8	29	1.6	.44	.49
25	7.7	11	27	6.4	24	19	44	6.8	16	1.4	.45	2.4
26	7.7	13	23	6.2	30	17	37	6.6	14	5.3	.34	2.0
27	7.7	15	e21	6.1	22	16	33	9.0	12	3.9	.31	1.4
28	6.8	13	e20	6.0	19	16	28	10	10	2.5	.34	1.9
29	7.0	13	18	5.9	---	15	25	8.5	9.7	2.2	.36	1.8
30	6.9	13	17	12	---	18	22	7.3	9.2	1.7	.22	1.6
31	6.3	---	e16	20	---	17	---	6.5	---	1.5	.23	---
TOTAL	191.0	299.4	966.8	294.0	679	534	2691	316.0	321.5	125.8	21.80	23.31
MEAN	6.16	9.98	31.2	9.48	24.2	17.2	89.7	10.2	10.7	4.06	.70	.78
MAX	14	16	177	20	67	24	298	20	29	9.1	1.3	2.4
MIN	2.2	4.8	8.0	5.9	12	11	15	5.9	5.6	1.4	.22	.19
CFSM	.46	.74	2.31	.70	1.80	1.28	6.64	.76	.79	.30	.05	.06
IN.	.53	.83	2.66	.81	1.87	1.47	7.42	.87	.89	.35	.06	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	6.16	9.98	31.2	9.48	24.2	17.2	89.7	10.2	10.7	5.38	4.51	2.86
MAX	6.16	9.98	31.2	9.48	24.2	17.2	89.7	10.2	10.7	6.71	8.31	4.94
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000	2000	2000
MIN	6.16	9.98	31.2	9.48	24.2	17.2	89.7	10.2	10.7	4.06	.70	.78
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS

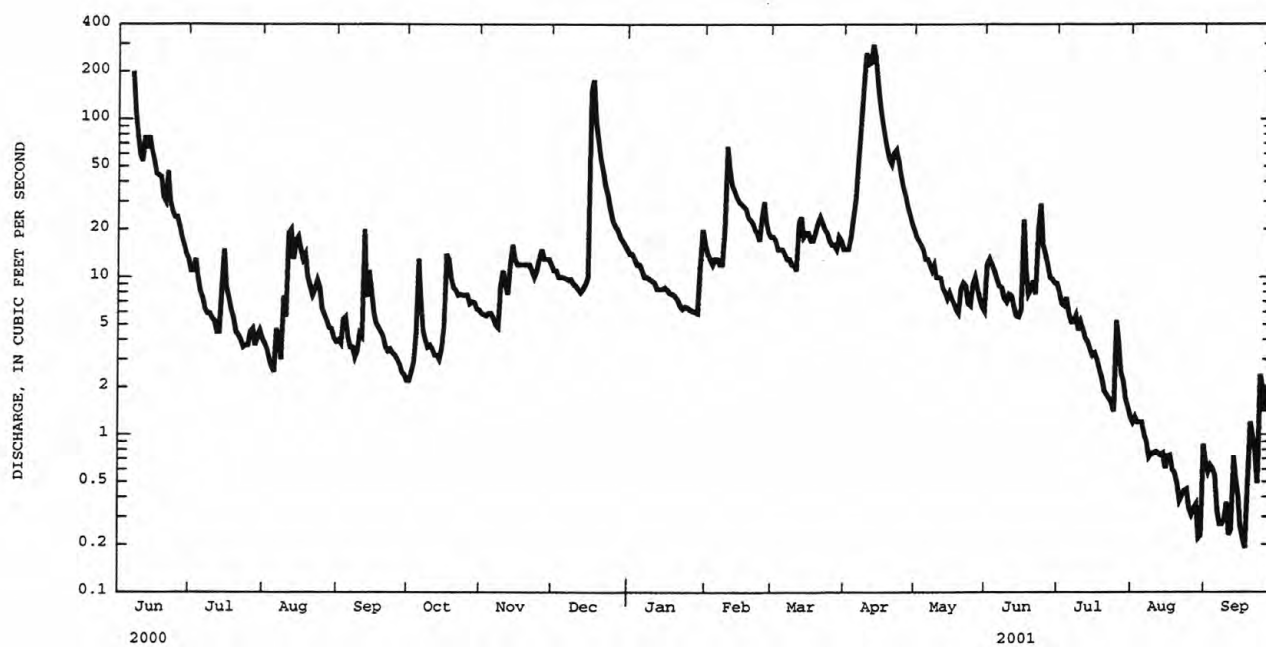
FOR 2001 WATER YEAR

WATER YEARS 2000 - 2001

ANNUAL TOTAL	6463.61											
ANNUAL MEAN	17.7								17.7			
HIGHEST ANNUAL MEAN									17.7			2001
LOWEST ANNUAL MEAN									17.7			2001
HIGHEST DAILY MEAN	298								298			Apr 13 2001
LOWEST DAILY MEAN	.19								.19			Sep 19 2001
ANNUAL SEVEN-DAY MINIMUM	.29								.29			Sep 7 2001
ANNUAL RUNOFF (CFSM)	1.31								1.31			
ANNUAL RUNOFF (INCHES)	17.81								17.82			
10 PERCENT EXCEEDS	30								32			
50 PERCENT EXCEEDS	9.1								8.4			
90 PERCENT EXCEEDS	.74								1.0			

e Estimated

01413088 EAST BRANCH DELAWARE RIVER AT ROXBURY, NY--Continued



DAILY MEAN DISCHARGE - JUNE 2000 TO SEPTEMBER 2001

DELAWARE RIVER BASIN

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 mi².

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 sea level, 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 ft³/s, Dec. 17, 2000, gage height, 9.29 ft, from rating curve extended above 980 ft³/s; minimum discharge, 3.7 ft³/s, Sept. 14, 22, 1998; minimum gage height, 3.28 ft, Sept. 14, 22, 1998, Sept. 8, 9, 10, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 7,600 ft³/s, Jan. 19, 1996, on basis of contracted-opening measurement of peak flow at site 0.2 mi downstream, drainage area, 47.0 mi².

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1400	a*3,190	*9.29	Apr. 13	1915	1,600	7.33
Apr. 10	1815	1,230	6.77				

a From rating curve extended above 980 ft³/s.

Minimum discharge, 4.8 ft³/s, Sept. 8, 9, 10, gage height, 3.28 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	35	38	e60	50	e56	98	81	34	48	9.5	12
2	15	33	35	e56	44	e54	92	75	77	39	8.9	8.6
3	14	32	e36	e52	e41	e52	87	69	65	31	8.8	6.7
4	14	31	e35	e50	e39	e50	96	63	57	29	11	8.1
5	19	31	e33	e48	e38	e49	123	59	48	29	10	9.0
6	54	30	e32	e45	e36	e48	152	58	45	25	8.9	7.1
7	30	29	e32	e42	e35	e45	238	54	42	23	8.1	5.8
8	23	28	e32	e39	36	e42	356	51	39	22	7.7	5.3
9	21	27	e31	e36	52	e41	601	49	36	26	7.2	5.1
10	20	32	e30	e34	178	e40	989	47	33	21	9.8	5.8
11	20	35	e28	e32	e100	e39	829	46	35	19	12	6.0
12	20	32	e27	e31	e96	e40	975	43	36	18	11	5.7
13	19	29	e26	e33	e94	49	1250	39	30	16	11	5.8
14	19	33	e27	e36	e92	56	944	38	27	16	8.5	12
15	18	41	e28	34	e90	47	638	37	24	15	7.3	10
16	20	34	31	34	e86	49	474	36	24	14	6.7	7.9
17	25	33	1240	32	e82	51	360	36	121	14	9.7	6.5
18	69	33	770	30	e80	49	286	35	51	15	9.3	5.9
19	67	33	429	31	e76	47	244	34	42	13	7.8	5.4
20	57	32	318	30	e72	53	209	32	39	12	8.0	6.9
21	57	33	233	29	e70	62	196	31	37	11	8.3	14
22	54	32	193	e28	e66	93	226	34	36	10	7.5	10
23	51	30	159	e26	e62	80	249	42	55	9.6	6.8	7.7
24	49	33	e120	e26	e60	71	230	38	72	9.2	6.5	6.8
25	48	35	e110	26	e66	65	181	32	46	8.8	6.2	55
26	46	41	e90	30	e72	61	156	33	41	36	5.9	24
27	43	46	e80	26	67	e52	136	48	38	20	5.7	15
28	41	39	e76	23	62	56	119	54	35	14	5.6	15
29	39	38	e72	28	---	53	99	44	33	12	5.6	14
30	38	39	e68	37	---	121	88	38	36	11	5.4	13
31	37	---	e64	59	---	113	---	34	---	10	5.5	---
TOTAL	1062	1009	4523	1123	1942	1784	10721	1410	1334	596.6	250.2	320.1
MEAN	34.3	33.6	146	36.2	69.4	57.5	357	45.5	44.5	19.2	8.07	10.7
MAX	69	46	1240	60	178	121	1250	81	121	48	12	55
MIN	14	27	26	23	35	39	87	31	24	8.8	5.4	5.1
CFSM	.73	.72	3.12	.78	1.49	1.23	7.65	.97	.95	.41	.17	.23
IN.	.85	.80	3.60	.89	1.55	1.42	8.54	1.12	1.06	.48	.20	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	1998	1999	2000	2001
MEAN	33.6	49.6	71.4	114
MAX	78.9	92.7	146	214
(WY)	2000	2000	2001	1998
MIN	9.50	11.1	16.1	36.2
(WY)	1998	1999	2001	1998

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

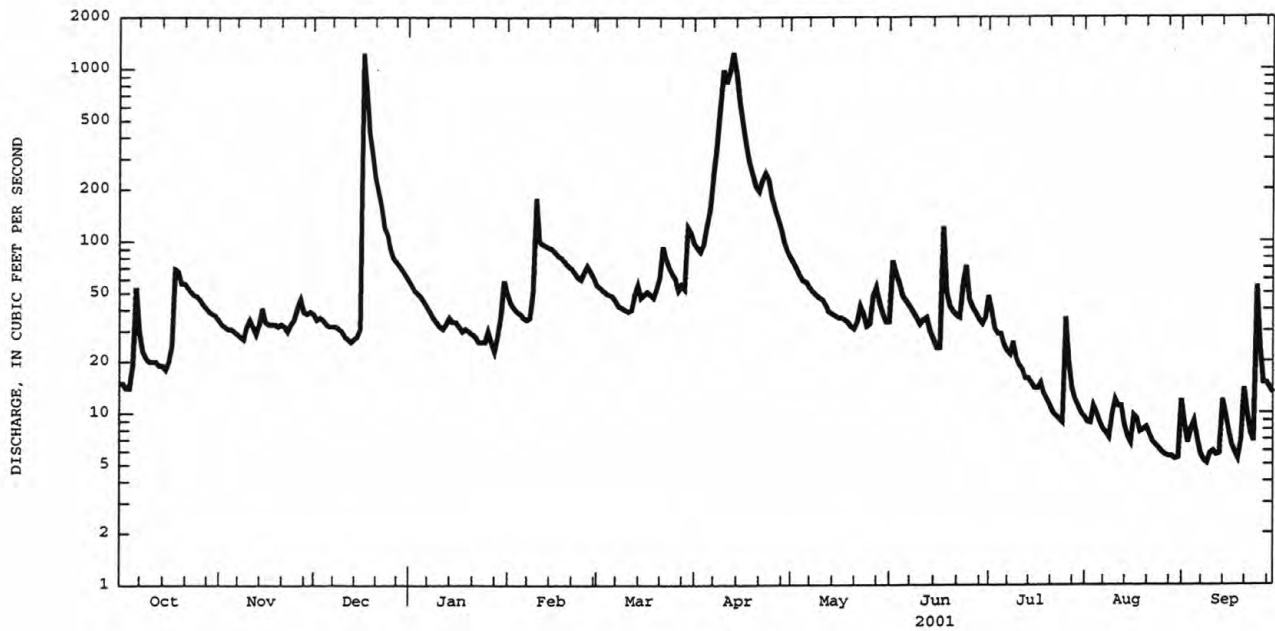
FOR 2001 WATER YEAR

WATER YEARS 1998 - 2001

ANNUAL TOTAL	38817	26074.9		
ANNUAL MEAN	106	71.4		
HIGHEST ANNUAL MEAN			87.4	2000
LOWEST ANNUAL MEAN			108	1999
HIGHEST DAILY MEAN	1240	Dec 17	1250	Apr 13 2001
LOWEST DAILY MEAN	14	Oct 3	5.1	Sep 9 1998
ANNUAL SEVEN-DAY MINIMUM	15	Sep 28	5.6	Sep 9 1998
ANNUAL RUNOFF (CFSM)	2.27		1.53	
ANNUAL RUNOFF (INCHES)	30.92		20.77	
10 PERCENT EXCEEDS	231		111	193
50 PERCENT EXCEEDS	50		36	50
90 PERCENT EXCEEDS	23		8.6	9.5

e Estimated

01413398 BUSH KILL NEAR ARKVILLE, NY--Continued



DELAWARE RIVER BASIN

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 mi².

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 sea level, 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 ft³/s, Dec. 17, 2000, gage height, 12.67 ft, from rating curve extended above 1,200 ft³/s; minimum discharge, 8.2 ft³/s, Aug. 31, 2001; minimum gage height, 1.26 ft, Aug. 12, 13, 1997.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 12,000 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1330	a*9,780	*12.67	Apr. 13	1830	a2,560	7.14
Apr. 10	1800	2,280	6.81				

a From rating curve extended above 1,200 ft³/s.

Minimum discharge, 8.2 ft³/s, Aug. 31, gage height, 1.30 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	57	78	113	99	102	181	130	52	91	17	22
2	30	54	74	99	91	e96	167	121	119	80	16	16
3	29	52	65	e96	83	e94	157	111	122	66	15	12
4	30	50	64	e90	79	94	164	104	112	61	22	13
5	37	50	e62	e86	e76	92	198	98	99	61	21	16
6	99	48	e60	e84	e74	e88	243	91	91	54	17	13
7	62	46	e60	e78	e74	e84	417	86	85	49	15	11
8	49	44	e60	e70	78	e80	624	81	79	49	14	10
9	45	43	61	e66	103	e80	1130	78	74	53	13	9.5
10	44	54	53	e64	325	79	1790	74	71	46	15	9.7
11	43	63	e52	e62	e190	75	1410	70	73	42	18	13
12	41	60	e50	e62	e180	74	1660	68	76	38	17	12
13	39	55	e50	63	e180	98	2140	65	64	36	18	11
14	39	64	e50	68	e180	114	1490	60	61	35	15	24
15	38	87	e52	66	e170	93	1010	57	56	33	13	21
16	40	74	55	65	e160	95	780	54	54	31	12	16
17	44	72	3270	63	e160	98	607	52	399	31	16	13
18	102	69	1510	e62	e150	96	476	52	166	31	17	12
19	113	68	775	61	e150	92	382	50	124	28	14	11
20	95	66	528	60	e140	e90	325	46	106	26	13	14
21	93	66	e340	56	e130	e100	315	44	98	24	14	71
22	87	63	e280	55	e120	e160	414	49	90	22	13	39
23	83	60	e230	47	125	e150	416	60	114	20	12	25
24	80	54	e200	59	115	137	340	55	139	19	11	20
25	77	55	e170	e44	123	127	273	46	103	18	11	327
26	74	78	e160	e43	149	118	230	47	92	62	10	115
27	70	93	e150	e42	119	110	200	71	85	40	9.7	70
28	67	82	e140	e40	108	107	177	78	78	27	9.2	57
29	64	79	129	e48	---	101	156	67	74	22	9.1	50
30	61	82	128	75	---	228	142	59	74	20	8.8	42
31	59	---	123	113	---	212	---	54	---	18	8.7	---
TOTAL	1865	1888	9079	2100	3731	3364	18014	2178	3030	1233	434.5	1095.2
MEAN	60.2	62.9	293	67.7	133	109	600	70.3	101	39.8	14.0	36.5
MAX	113	93	3270	113	325	228	2140	130	399	91	22	327
MIN	29	43	50	40	74	74	142	44	52	18	8.7	9.5
CFSM	.73	.77	3.56	.82	1.62	1.32	7.30	.85	1.23	.48	.17	.44
IN.	.84	.85	4.11	.95	1.69	1.52	8.15	.99	1.37	.56	.20	.50

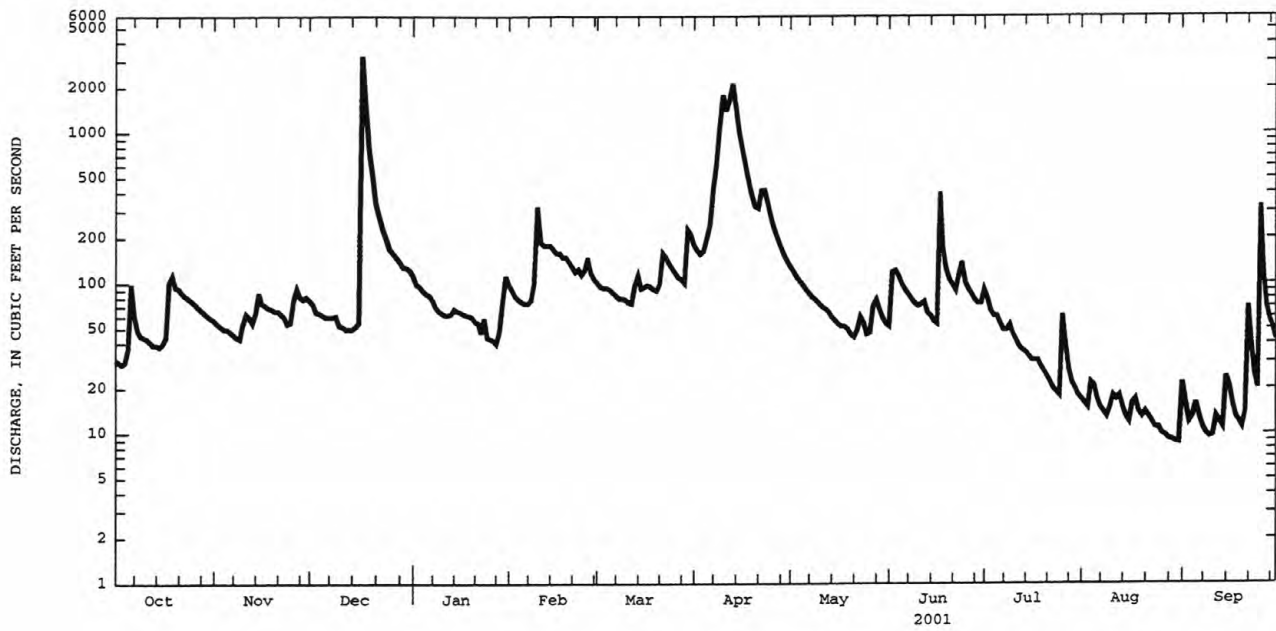
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	MEAN	66.0	109	145	219	169	294	382	206	173	83.8	32.3	66.7
MAX	163	188	293	452	238	440	600	332	343	151	91.2	207	
(WY)	2000	2000	2001	1998	2000	2000	2001	1998	2000	1998	2000	1999	
MIN	16.5	26.3	38.9	67.7	114	109	224	70.3	54.2	16.9	14.0	13.3	
(WY)	1998	1999	1999	2001	1998	2001	1999	2001	1997	1997	2001	1998	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1997 - 2001
ANNUAL TOTAL	71639	48011.7	
ANNUAL MEAN	196	132	169
HIGHEST ANNUAL MEAN			203
LOWEST ANNUAL MEAN			132
HIGHEST DAILY MEAN	3270	3270	3270
LOWEST DAILY MEAN	29	8.7	8.7
ANNUAL SEVEN-DAY MINIMUM	31	9.5	9.5
ANNUAL RUNOFF (CFSM)	2.38	1.60	2.05
ANNUAL RUNOFF (INCHES)	32.42	21.73	27.87
10 PERCENT EXCEEDS	449	193	367
50 PERCENT EXCEEDS	92	68	94
90 PERCENT EXCEEDS	44	16	16

e Estimated

01413408 DRY BROOK AT ARKVILLE, NY--Continued



DELAWARE RIVER BASIN

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 mi².

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 sea level. 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 ft³/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 ft³/s on basis of runoff comparison of peak flow from slope-area measurement at site 1.7 mi downstream; minimum discharge, 5.0 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1500	*12,000	*11.93	Apr. 13	1930	4,090	8.15
Apr. 9	2345	3,810	7.93				

Minimum discharge, 14 ft³/s, Aug. 31, gage height, 2.22 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	104	149	e220	207	e210	342	241	86	e152	29	31
2	51	100	138	e210	182	e210	318	221	202	e136	27	26
3	49	96	123	e190	169	207	297	204	214	108	27	20
4	51	92	122	189	e170	190	317	189	204	100	34	23
5	65	91	e120	178	e160	e180	402	175	175	103	38	26
6	181	88	e120	173	e160	e180	495	162	159	91	30	21
7	132	84	118	162	156	e180	806	151	145	81	26	19
8	101	82	117	154	147	e160	1200	141	133	78	25	17
9	88	80	117	148	187	167	2040	134	121	85	23	16
10	82	102	109	e140	682	158	3400	128	111	74	27	17
11	79	127	119	e140	e440	e140	2710	120	112	68	30	20
12	75	125	137	131	e410	e140	2850	115	121	63	30	19
13	72	111	118	e130	e370	196	3670	110	100	60	31	19
14	70	124	124	123	e380	266	2790	101	88	58	26	33
15	68	186	120	118	519	205	1800	96	80	55	23	34
16	69	152	111	118	392	209	1350	87	79	52	21	26
17	83	148	4410	115	353	217	1060	85	521	51	25	22
18	209	144	2630	112	e290	209	856	85	259	51	26	20
19	242	140	1330	109	e280	198	708	83	187	46	23	18
20	192	135	941	109	e270	212	609	76	159	42	22	19
21	180	134	696	e100	e260	252	572	72	149	40	22	80
22	167	128	579	e98	e230	367	668	78	137	37	21	53
23	156	120	499	e98	e230	324	703	108	181	33	20	37
24	150	107	415	e98	e230	282	601	103	300	29	19	31
25	144	108	360	e90	244	264	498	82	194	29	18	332
26	136	144	e320	e88	346	e230	423	80	163	94	16	161
27	130	185	e300	e86	260	e210	371	117	148	70	16	105
28	124	160	e270	e84	e220	e210	327	139	136	46	15	87
29	117	151	e250	e82	---	e200	289	123	127	37	15	75
30	113	154	242	116	---	403	262	102	126	33	15	64
31	108	---	e230	230	---	403	---	93	---	31	15	---
TOTAL	3537	3702	15434	4139	7944	6979	32734	3801	4917	2033	735	1471
MEAN	114	123	498	134	284	225	1091	123	164	65.6	23.7	49.0
MAX	242	186	4410	230	682	403	3670	241	521	152	38	332
MIN	49	80	109	82	147	140	262	72	79	29	15	16
CFSM	.70	.76	3.05	.82	1.74	1.38	6.69	.75	1.01	.40	.15	.30
IN.	.81	.84	3.52	.94	1.81	1.59	7.47	.87	1.12	.46	.17	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

MEAN	176	312	365	329	323	552	729	407	209	121	77.3	104
MAX	1059	782	1191	1277	1144	1486	1808	879	609	538	674	685
(WY)	1956	1997	1974	1996	1981	1977	1958	1989	2000	1938	1955	1938
MIN	9.24	10.1	66.7	54.9	55.0	181	187	123	42.9	17.2	13.6	8.52
(WY)	1965	1965	1999	1961	1980	1965	1946	2001	1965	1965	1993	1964

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

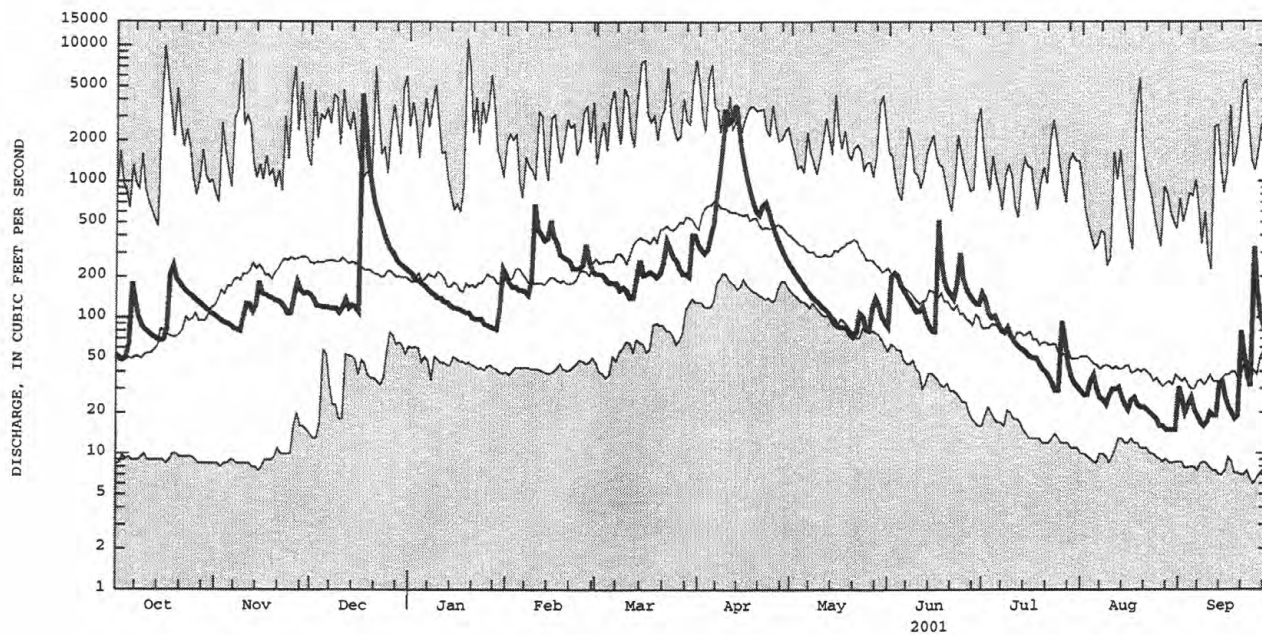
FOR 2001 WATER YEAR

WATER YEARS 1937 - 2001

ANNUAL TOTAL	132615	87426	
ANNUAL MEAN	362	240	307
HIGHEST ANNUAL MEAN			489
LOWEST ANNUAL MEAN			138
HIGHEST DAILY MEAN	4410	4410	11300
LOWEST DAILY MEAN	49	15	6.0
ANNUAL SEVEN-DAY MINIMUM	54	16	6.8
ANNUAL RUNOFF (CFSM)	2.22	1.47	1.89
ANNUAL RUNOFF (INCHES)	30.27	19.95	25.63
10 PERCENT EXCEEDS	815	402	700
50 PERCENT EXCEEDS	194	126	170
90 PERCENT EXCEEDS	79	26	29

e Estimated

01413500 EAST BRANCH DELAWARE RIVER AT MARGARETVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

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 mi².

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 sea level. 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 ft³/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 ft³/s on basis of contracted-opening measurement of peak flow; minimum discharge, 0.60 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1300	a*1,340	*6.11	Apr. 9	1615	657	5.04

a From rating curve extended as explained above.

Minimum discharge, 2.8 ft³/s, Aug. 26, 27, 28, 29, 30, 31, Sept. 20, gage height, 2.63 ft.

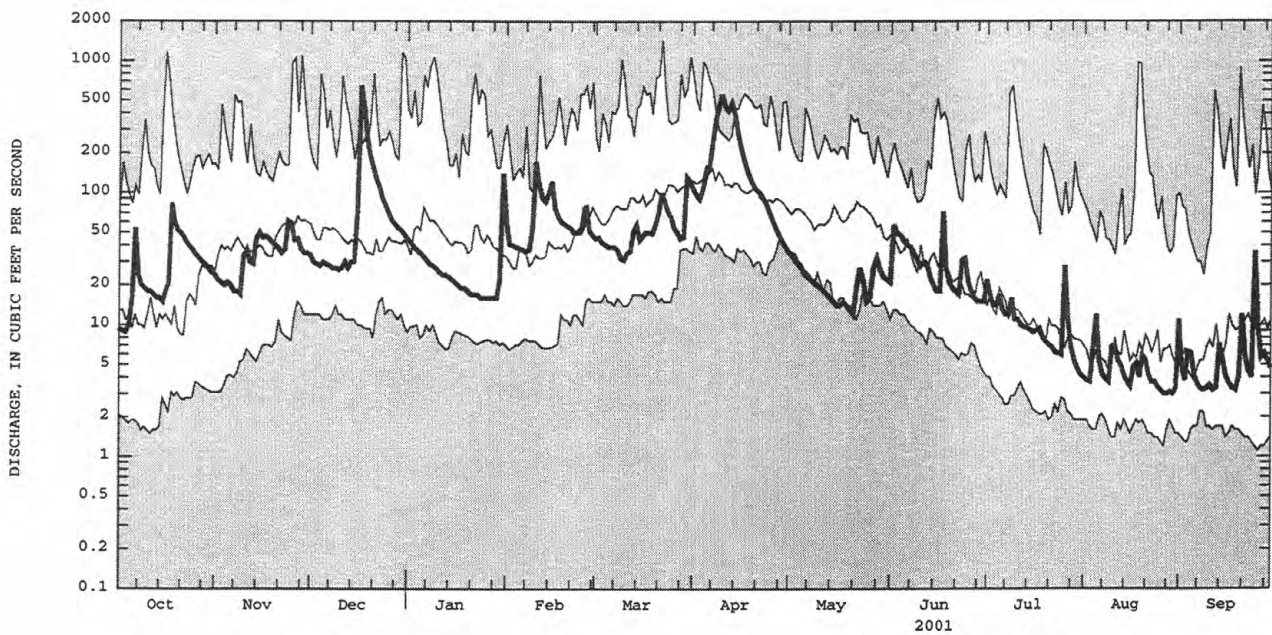
**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	24	e34	e45	60	e45	108	36	21	22	4.0	11
2	9.0	22	e30	e42	41	e46	97	34	57	17	3.8	4.9
3	8.8	21	e29	e39	e40	e42	90	31	49	14	3.7	3.8
4	10	20	e28	e37	e39	e41	105	29	48	14	6.6	6.3
5	16	21	e30	e35	e38	e39	137	27	43	17	12	6.2
6	54	20	e29	e33	e37	e39	152	24	40	13	5.3	4.2
7	24	18	e28	e31	e36	e39	230	23	39	12	4.2	3.6
8	20	18	e27	e29	37	e37	353	22	35	12	3.9	3.3
9	19	17	e27	e28	54	32	455	21	31	16	3.7	3.2
10	18	33	e26	e27	173	31	558	20	28	11	6.9	3.3
11	18	37	e27	e25	115	e35	450	19	30	11	7.0	3.5
12	17	30	e30	e24	e92	36	421	18	29	10	5.4	3.2
13	16	29	e27	e24	e86	51	479	17	23	9.6	4.9	3.3
14	16	45	e30	e23	99	57	403	16	20	9.5	4.1	7.2
15	15	50	e30	e22	122	44	286	15	18	9.2	3.7	5.5
16	18	46	74	e21	e76	47	221	14	18	8.8	3.4	4.1
17	21	47	647	e20	e66	50	179	14	72	9.1	4.8	3.6
18	83	45	438	e19	e60	50	148	15	27	9.4	5.1	3.3
19	60	42	260	e19	e58	49	128	14	21	8.1	4.0	3.2
20	52	40	189	e18	e56	57	113	13	19	7.5	5.9	4.0
21	50	38	155	e17	e54	71	105	12	18	7.1	5.4	12
22	46	35	127	e17	e50	100	100	19	17	6.8	4.2	5.8
23	42	37	e110	e17	e50	85	91	27	31	6.2	3.7	4.5
24	39	61	e90	e16	e50	72	83	22	32	6.1	3.7	4.0
25	37	59	e80	e16	e56	65	71	15	21	5.9	3.4	36
26	34	44	e70	e16	81	e54	62	16	18	28	3.2	9.8
27	32	45	e62	e16	52	e50	54	27	16	11	3.0	5.7
28	30	38	e58	e16	48	e45	48	32	15	6.8	3.0	6.1
29	28	e35	e54	e16	---	46	43	26	15	5.4	3.1	5.4
30	27	e35	e52	e22	---	131	39	23	15	4.7	3.0	4.7
31	25	---	e48	e140	---	123	---	22	---	4.2	3.3	---
TOTAL	894.2	1052	2946	870	1826	1709	5809	663	866	332.4	141.4	184.7
MEAN	28.8	35.1	95.0	28.1	65.2	55.1	194	21.4	28.9	10.7	4.56	6.16
MAX	83	61	647	140	173	131	558	36	72	28	12	36
MIN	8.8	17	26	16	36	31	39	12	15	4.2	3.0	3.2
CFSM	.83	1.00	2.72	.80	1.87	1.58	5.55	.61	.83	.31	.13	.18
IN.	.95	1.12	3.14	.93	1.95	1.82	6.19	.71	.92	.35	.15	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
1942	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1943	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1944	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1945	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1946	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1947	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1948	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1949	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1950	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1951	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1952	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1953	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1954	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1955	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1956	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1957	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1958	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1959	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1960	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1961	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1962	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1963	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1964	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1965	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1966	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1967	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1968	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1969	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1970	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1971	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1972	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1973	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1974	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1975	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1976	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1977	32.5	175	3.86	1956	64.3	154	7.98	1960	71.2	137	15.7	1958	75.4	224	9.28	1998	67.6	126	23.1	1951
1978	32.5	175	3.86	1956	64.3	154	7.98													

01414000 PLATTE KILL AT DUNRAVEN, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

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 mi².

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. Also published as a water-quality miscellaneous site.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,380 ft³/s, Jan. 19, 1996, gage height, 12.56 ft, from rating curve extended above 2,740 ft³/s on basis of flow-through-culvert measurement of peak flow; minimum discharge observed, 1.2 ft³/s, Sept. 25, 26, 1939.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 740 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1245	*4,110	*11.36	Apr. 12	1945	a770	6.62
Apr. 9	2330	a850	6.81				

a About.

Minimum discharge, 2.4 ft³/s, Aug. 24; minimum gage height, 3.27 ft, Oct. 1, 2, 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	21	e29	e45	36	e30	81	e34	12	30	5.4	5.9
2	10	20	e27	e42	32	e28	71	e31	35	27	5.1	4.2
3	11	19	e25	e39	29	27	64	e29	42	22	5.1	4.1
4	11	18	e24	e36	e28	26	66	e27	41	21	22	7.2
5	16	18	e25	e33	e27	e25	79	e24	35	20	15	5.1
6	42	17	e24	e31	e26	e25	100	e23	30	17	9.0	4.8
7	28	16	e23	e28	25	25	184	e21	27	15	7.2	4.3
8	23	15	e22	e26	24	e24	249	20	24	16	6.3	3.8
9	21	14	e22	e25	41	22	437	19	22	19	5.6	3.6
10	21	20	e22	e23	156	21	e600	18	20	15	5.8	4.2
11	20	23	e21	e22	78	e22	e460	17	21	13	5.2	4.1
12	19	22	e21	e22	66	22	e480	16	22	12	5.8	4.5
13	18	21	e20	e21	64	34	e600	15	18	12	5.4	4.8
14	17	29	e21	e20	66	39	e430	14	16	11	5.0	8.4
15	16	36	20	e19	76	31	e290	13	14	10	4.6	6.4
16	17	33	22	e18	58	33	e210	13	18	9.7	4.4	5.7
17	17	32	e1100	e16	51	35	e160	12	137	9.5	7.6	5.1
18	38	31	e440	e16	44	35	e130	12	67	9.2	5.5	4.5
19	43	30	e250	e15	44	34	e110	12	51	8.5	5.1	4.1
20	38	29	e150	15	42	37	e90	11	43	7.9	4.9	7.1
21	35	29	e120	14	40	43	e85	10	39	7.3	4.4	20
22	33	27	e100	e14	e38	79	e100	11	33	6.8	4.3	13
23	32	25	e90	e14	e37	60	e105	13	61	6.4	4.0	9.9
24	31	24	e82	e14	36	51	e90	11	76	6.1	3.9	8.6
25	30	e23	e74	15	38	46	e70	9.8	56	5.9	3.7	131
26	28	31	e66	15	43	42	e60	11	45	18	3.5	54
27	27	34	e62	15	33	40	e54	17	39	11	3.5	34
28	26	31	e56	14	30	37	e48	20	34	8.1	3.4	29
29	25	31	e52	15	---	35	e42	16	30	6.7	3.3	26
30	23	32	e50	37	---	125	e38	14	28	6.2	3.2	22
31	22	---	e48	61	---	101	---	13	---	5.8	3.7	---
TOTAL	748	751	3108	740	1308	1234	5583	526.8	1136	393.1	180.9	449.4
MEAN	24.1	25.0	100	23.9	46.7	39.8	186	17.0	37.9	12.7	5.84	15.0
MAX	43	36	1100	61	156	125	600	34	137	30	22	131
MIN	10	14	20	14	24	21	38	9.8	12	5.8	3.2	3.6
CFSM	.96	.99	3.98	.95	1.85	1.58	7.38	.67	1.50	.50	.23	.59
IN.	1.10	1.11	4.59	1.09	1.93	1.82	8.24	.78	1.68	.58	.27	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

	33.8	63.4	67.4	55.4	55.8	93.6	127	71.0	36.0	22.7	14.8	20.6
MEAN	33.8	63.4	67.4	55.4	55.8	93.6	127	71.0	36.0	22.7	14.8	20.6
MAX	128	158	210	171	206	216	294	171	98.2	136	87.9	116
(WY)	1978	1960	1974	1996	1981	1948	1940	1940	2000	1945	1955	1938
MIN	1.80	1.68	20.0	6.64	12.4	27.3	34.6	17.0	7.49	3.29	2.47	1.77
(WY)	1965	1965	1944	1981	1987	1965	1946	2001	1962	1993	1993	1964

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

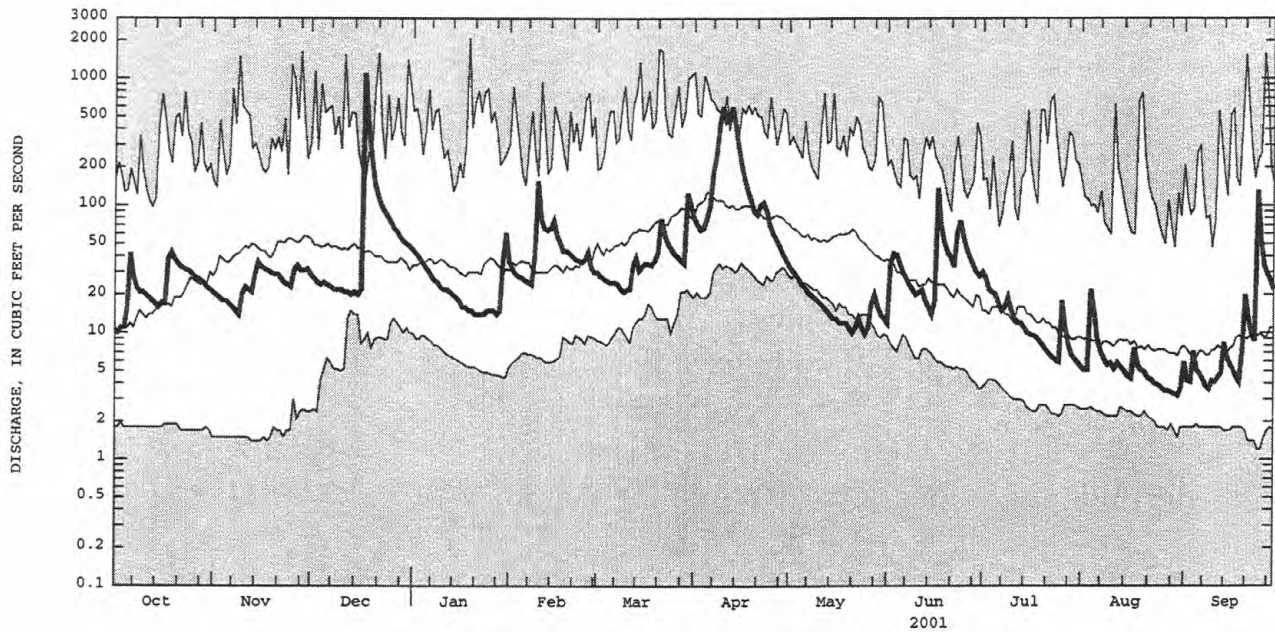
FOR 2001 WATER YEAR

WATER YEARS 1937 - 2001

ANNUAL TOTAL	23101.3	16158.2	
ANNUAL MEAN	63.1	44.3	54.9
HIGHEST ANNUAL MEAN			83.3
LOWEST ANNUAL MEAN			28.1
HIGHEST DAILY MEAN	1100	Dec 17	2080
LOWEST DAILY MEAN	7.7	Sep 11	1.2
ANNUAL SEVEN-DAY MINIMUM	9.2	Sep 5	1.4
ANNUAL RUNOFF (CFSM)	2.50		2.18
ANNUAL RUNOFF (INCHES)	34.10		29.62
10 PERCENT EXCEEDS	134		77
50 PERCENT EXCEEDS	34		23
90 PERCENT EXCEEDS	16		5.6
			5.8

e Estimated

01414500 MILL BROOK NEAR DUNRAVEN, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01415000 TREMPER KILL NEAR ANDES, NY

LOCATION.--Lat 42°07'12", long 74°49'08", Delaware County, Hydrologic Unit 02040102, on right bank 500 ft upstream from bridge on County Highway 1, about 1,700 ft upstream from Pepacton Reservoir, and 5 mi south of Andes.

DRAINAGE AREA.--33.2 mi².

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 sea level. 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. Also published as a water-quality miscellaneous site.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,000 ft³/s, Jan. 19, 1996, gage height, 7.69 ft, from floodmark in gage well, from rating curve extended above 2,900 ft³/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 ft³/s, Sept. 17, 21, 22, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1345	*1,050	*4.89	No other peak greater than base discharge.			

Minimum discharge, 1.5 ft³/s, Aug. 8, 31, gage height, 2.16 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	25	31	e40	e50	e40	e60	25	26	23	4.6	8.1
2	9.4	23	27	e37	e40	e39	e52	24	62	17	3.0	4.5
3	9.0	22	25	e35	e33	e38	e58	22	58	12	2.8	3.1
4	11	21	25	e33	e30	e37	e68	21	66	12	4.5	6.7
5	16	21	e24	e32	e28	e35	e86	20	55	12	4.6	5.7
6	61	20	e24	e30	e27	e34	e120	19	48	10	3.3	3.5
7	40	19	24	e28	e28	e34	e210	17	41	9.1	3.0	2.6
8	32	20	23	e26	e35	e32	e290	17	35	10	1.9	2.2
9	28	19	e23	e25	e50	e29	e300	16	30	17	2.4	2.1
10	27	28	e22	e24	e120	e28	e330	16	26	11	5.2	2.2
11	27	30	22	e23	e100	e29	e310	15	29	9.6	5.9	2.8
12	25	26	29	e22	e80	e30	e320	14	30	8.6	4.8	1.9
13	23	26	e23	e22	e74	e45	e300	14	23	7.6	4.2	2.0
14	23	36	21	e21	e84	e50	e280	13	19	7.3	3.2	7.3
15	22	38	20	e20	e100	e40	e240	12	17	6.9	2.5	5.3
16	23	32	20	e19	e66	e40	e150	12	16	7.0	2.1	3.6
17	27	32	391	e19	e58	e35	e100	12	46	6.9	5.5	2.9
18	87	32	e320	e19	e54	e34	e100	12	23	6.5	5.1	2.3
19	73	31	e200	e18	e49	e40	e110	12	18	5.6	3.4	2.0
20	63	29	e150	e17	e47	65	e90	11	16	4.9	6.5	4.2
21	60	28	e130	e16	e46	76	e70	10	15	4.2	5.3	9.9
22	51	27	e110	e16	e45	66	e60	18	14	3.6	4.1	6.2
23	46	25	e90	e16	e45	50	e50	32	31	3.2	3.4	4.2
24	41	24	e80	e15	e44	e43	e50	27	30	2.8	3.2	3.3
25	37	23	e70	e15	e48	e38	e50	17	19	2.6	2.5	20
26	34	31	e60	e15	e60	e35	40	17	16	18	2.1	12
27	32	36	e54	e15	e46	e33	37	34	14	9.5	2.1	8.3
28	30	34	e50	e15	e42	e22	34	45	12	6.9	2.0	8.5
29	28	33	e48	e26	---	e45	30	37	11	6.0	2.2	8.1
30	27	33	e46	e30	---	e130	27	33	11	5.1	1.9	6.8
31	27	---	42	59	---	e100	---	29	---	4.3	1.9	---
TOTAL	1049.1	824	2224	748	1529	1392	4022	623	857	270.2	109.2	162.3
MEAN	33.8	27.5	71.7	24.1	54.6	44.9	134	20.1	28.6	8.72	3.52	5.41
MAX	87	38	391	59	120	130	330	45	66	23	6.5	20
MIN	9.0	19	20	15	27	22	27	10	11	2.6	1.9	1.9
CFSM	1.02	.83	2.16	.73	1.64	1.35	4.04	.61	.86	.26	.11	.16
IN.	1.18	.92	2.49	.84	1.71	1.56	4.51	.70	.96	.30	.12	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

MEAN	35.1	62.8	71.2	63.6	65.3	110	126	70.5	36.5	20.8	16.3	24.0
MAX	158	170	196	181	186	260	284	178	122	92.9	91.6	152
(WY)	1978	1997	1997	1996	1981	1977	1956	1984	1998	1998	1955	1938
MIN	1.26	1.43	19.3	8.45	11.9	37.9	36.7	17.9	6.32	2.18	1.71	.96
(WY)	1965	1965	1999	1977	1980	1965	1946	1987	1965	1965	1964	1964

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

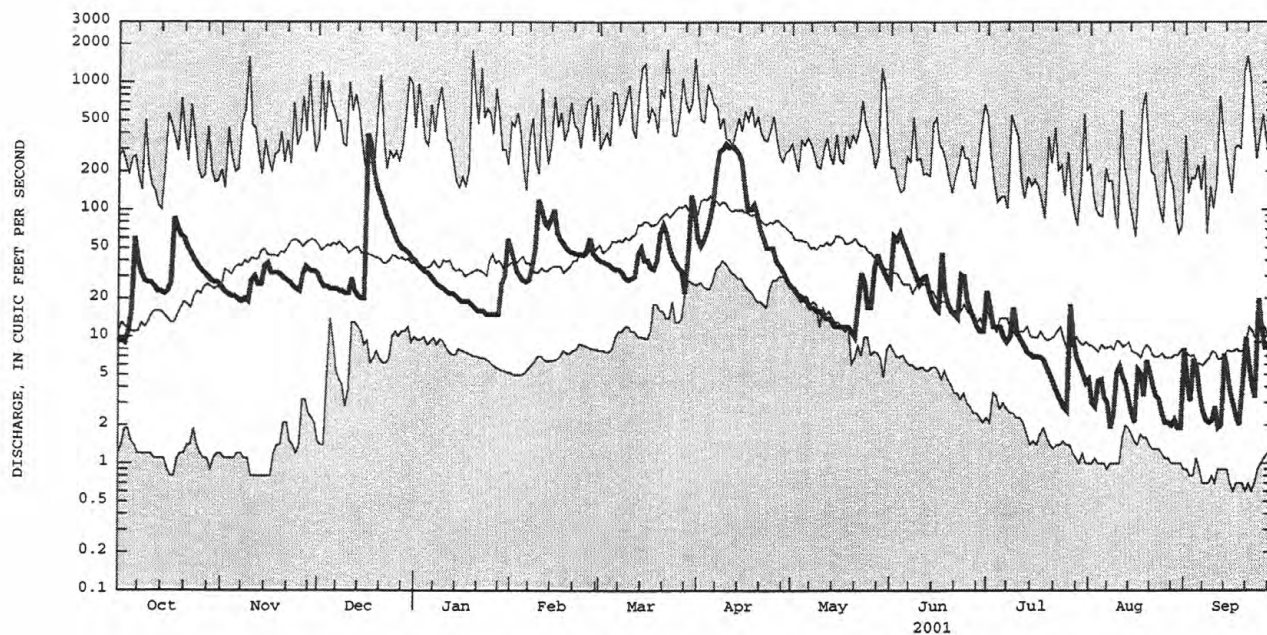
FOR 2001 WATER YEAR

WATER YEARS 1937 - 2001

ANNUAL TOTAL	22049.6		13809.8				
ANNUAL MEAN	60.2		37.8		58.4		
HIGHEST ANNUAL MEAN					89.6		1960
LOWEST ANNUAL MEAN					26.6		1965
HIGHEST DAILY MEAN	676	Feb 28	391	Dec 17	1830		Mar 22 1948
LOWEST DAILY MEAN	6.2	Sep 11	1.9	Aug 8	.60		Sep 17 1964
ANNUAL SEVEN-DAY MINIMUM	7.0	Sep 5	2.1	Aug 25	.66		Sep 17 1964
ANNUAL RUNOFF (CFSM)	1.81		1.14		1.76		
ANNUAL RUNOFF (INCHES)	24.71		15.47		23.90		
10 PERCENT EXCEEDS	131		70		134		
50 PERCENT EXCEEDS	34		25		33		
90 PERCENT EXCEEDS	12		3.6		5.2		

e Estimated

01415000 TREMPER KILL NEAR ANDES, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

LOCATION.--Lat 42°04'30", long 74°58'36", Delaware County, Hydrologic Unit 02040102, on left bank 0.5 mi downstream from Downsview Dam, at downstream end of outlet channel of Pepacton Reservoir, and 1.0 mi east of Downsview.

DRAINAGE AREA.--372 mi².

DRAINAGE AREA.--372 mi².

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 sea level (levels by Board of Water Supply, City of New York). Prior to Sept. 26, 1941, nonrecording gage, and Sept. 26, 1941, to June 27, 1955, water-stage recorder, at site 0.8 mi downstream at datum 7.03 ft lower.

REMARKS.--No estimated daily discharges. Records good. Subsequent to September 1954, 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 ft³/s, Nov. 26, 1950, gage height, 14.52 ft, site and datum then in use, from rating curve extended above 12,000 ft³/s; minimum discharge, 0.3 ft³/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).

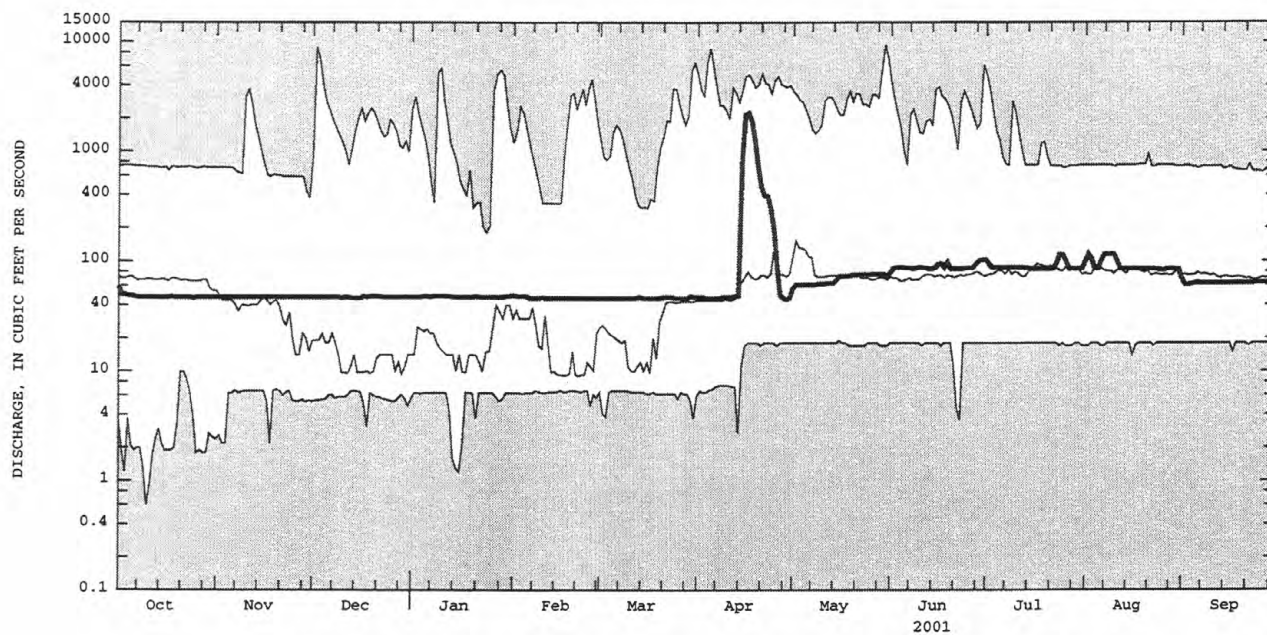
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,360 ft³/s, Apr. 17, gage height, 4.84 ft; minimum discharge, 44 ft³/s, Dec. 16; minimum gage height, 2.71 ft, Apr. 28, 29, 30, May 1.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	47	47	47	49	46	47	56	79	103	99	69
2	50	47	47	47	48	46	47	61	86	93	116	61
3	50	47	47	47	48	46	47	61	87	87	105	61
4	49	47	47	47	48	46	46	61	87	87	85	62
5	49	47	47	48	48	46	46	61	87	87	85	63
6	48	47	47	48	46	46	46	61	86	87	100	64
7	47	47	47	47	46	46	46	61	86	87	115	63
8	47	47	47	48	46	46	46	61	85	87	115	63
9	47	47	47	48	46	46	47	62	86	87	115	63
10	47	47	46	48	47	46	47	62	87	87	115	63
11	47	47	47	48	46	46	47	62	87	87	100	63
12	47	47	47	48	46	46	47	63	86	87	85	63
13	47	47	46	48	46	47	48	63	85	87	85	63
14	47	47	46	47	46	47	48	63	85	86	85	63
15	47	47	46	47	46	46	857	68	86	85	85	63
16	47	47	46	47	46	46	2160	73	93	85	85	63
17	47	47	48	47	46	46	2240	73	95	85	85	63
18	48	47	47	47	46	46	1870	73	87	85	85	63
19	47	47	48	47	46	46	1230	73	97	85	85	63
20	47	47	48	47	46	46	711	75	85	85	85	63
21	47	47	48	48	46	47	469	75	85	85	85	63
22	47	47	48	47	46	47	394	75	85	85	85	63
23	47	47	47	47	46	47	390	75	85	95	85	63
24	47	47	47	47	46	47	295	76	85	114	84	64
25	46	47	47	47	46	46	190	75	86	114	83	64
26	47	47	47	47	46	46	88	76	86	100	82	64
27	47	47	47	47	46	46	49	76	86	85	84	64
28	47	47	47	47	46	46	46	76	95	85	85	64
29	47	47	47	47	---	46	45	76	101	85	85	63
30	47	47	47	48	---	48	46	76	102	85	84	63
31	47	---	47	48	---	47	---	71	---	85	84	---
TOTAL	1480	1410	1457	1468	1300	1435	11735	2120	2638	2767	2841	1897
MEAN	47.7	47.0	47.0	47.4	46.4	46.3	391	68.4	87.9	89.3	91.6	63.2
MAX	59	47	48	48	49	48	2240	76	102	114	116	69
MIN	46	47	46	47	46	46	45	56	79	85	82	61

MEAN	165	127	93.2	85.8	84.8	120	530	391	203	172	170	185
MAX	714	638	2035	1258	1208	621	1871	1379	901	739	739	668
(WY)	1962	1997	1997	1978	1976	1975	1993	1984	2000	1962	1956	1964
MIN	4.39	6.86	6.13	6.33	6.62	6.54	13.6	18.6	18.0	18.0	17.9	18.1
(WY)	1955	1966	1984	1964	1992	1981	1965	1966	1974	1974	1974	1974

ANNUAL TOTAL	80868		32548			
ANNUAL MEAN	221		89.2		194	
HIGHEST ANNUAL MEAN					507	1956
LOWEST ANNUAL MEAN					57.1	1999
HIGHEST DAILY MEAN	2410	Jun 8	2240	Apr 17	9340	May 30 1984
LOWEST DAILY MEAN	40	Jan 23	45	Apr 29	.60	Oct 10 1954
ANNUAL SEVEN-DAY MINIMUM	41	Jan 23	46	Feb 11	1.5	Oct 6 1954
10 PERCENT EXCEEDS	769		87		580	
50 PERCENT EXCEEDS	47		48		54	
90 PERCENT EXCEEDS	42		46		7.4	

01417000 EAST BRANCH DELAWARE RIVER AT DOWNSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

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 mi².

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 sea level. 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 mi² 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 ft³/s, Sept. 22, 1938, gage height, 16.93 ft, site and datum then in use, from rating curve extended above 10,000 ft³/s on basis of slope-area measurement at gage height 15.58 ft, datum then in use; minimum discharge, 7.2 ft³/s, Oct. 13, 1954, gage height, 1.63 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,750 ft³/s, Dec. 17, gage height, 6.41 ft; minimum, 49 ft³/s, Jan. 23, result of freezeup, gage height, 2.17 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	114	147	e130	143	140	719	124	203	142	88	99
2	83	109	139	e120	136	e130	536	138	333	136	115	64
3	80	104	e120	e120	e140	e120	420	134	343	113	118	60
4	84	100	e110	119	e140	e110	408	129	348	111	99	74
5	99	97	e100	115	120	e110	487	125	323	115	90	78
6	258	93	e100	113	135	e110	569	120	291	108	87	68
7	192	90	e100	109	124	e100	715	117	257	105	113	64
8	160	87	e100	106	e120	e100	987	114	228	109	114	62
9	148	86	e100	102	125	116	1120	105	203	108	114	61
10	143	124	e100	98	241	109	1780	101	183	106	115	60
11	141	157	e110	e92	e200	e96	1390	100	177	106	115	60
12	130	137	e110	e88	e200	e100	1160	99	204	103	91	59
13	122	134	108	e86	e190	124	1160	99	164	101	86	60
14	115	152	103	e84	e190	146	988	102	151	100	85	74
15	110	186	104	e84	e210	131	1080	100	143	99	84	67
16	113	173	100	e82	e220	137	2220	109	139	99	84	63
17	130	172	1430	e82	e210	160	2360	110	249	102	96	61
18	319	166	1500	e80	e210	172	2050	111	172	98	90	60
19	414	158	853	e80	e210	165	1480	110	156	97	86	59
20	352	152	606	e78	e190	178	1000	108	143	95	110	71
21	309	146	444	e78	e180	228	753	107	137	94	96	80
22	264	137	358	e76	e150	571	641	142	134	92	88	70
23	228	e110	e250	e76	e150	578	606	183	138	91	85	64
24	205	e100	e210	e74	e150	508	524	174	143	113	85	66
25	187	e100	e180	e74	e150	405	394	144	129	119	83	186
26	171	139	e170	e72	181	338	272	155	123	146	82	132
27	159	165	e160	e72	163	282	182	199	118	108	83	105
28	150	147	e160	e70	154	259	150	260	116	96	84	99
29	137	143	e150	e70	---	233	136	259	126	93	83	94
30	128	150	e140	86	---	705	127	246	131	92	82	88
31	121	---	e130	148	---	968	---	226	---	90	84	---
TOTAL	5358	3928	8492	2864	4732	7629	26414	4350	5705	3287	2915	2308
MEAN	173	131	274	92.4	169	246	880	140	190	106	94.0	76.9
MAX	414	186	1500	148	241	968	2360	260	348	146	118	186
MIN	80	86	100	70	120	96	127	99	116	90	82	59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2001, BY WATER YEAR (WY)

	280	322	287	243	212	347	767	506	295	237	253	274
MEAN	280	322	287	243	212	347	767	506	295	237	253	274
MAX	745	949	2327	1558	725	761	2477	1670	1117	767	770	653
(WY)	1962	1997	1997	1978	1981	1986	1993	1984	2000	1962	1956	1964
MIN	13.7	73.1	74.5	68.6	70.7	111	180	79.0	47.7	37.5	43.6	76.5
(WY)	1955	1999	1961	1963	1963	1981	1985	1955	1964	1966	1965	1965

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

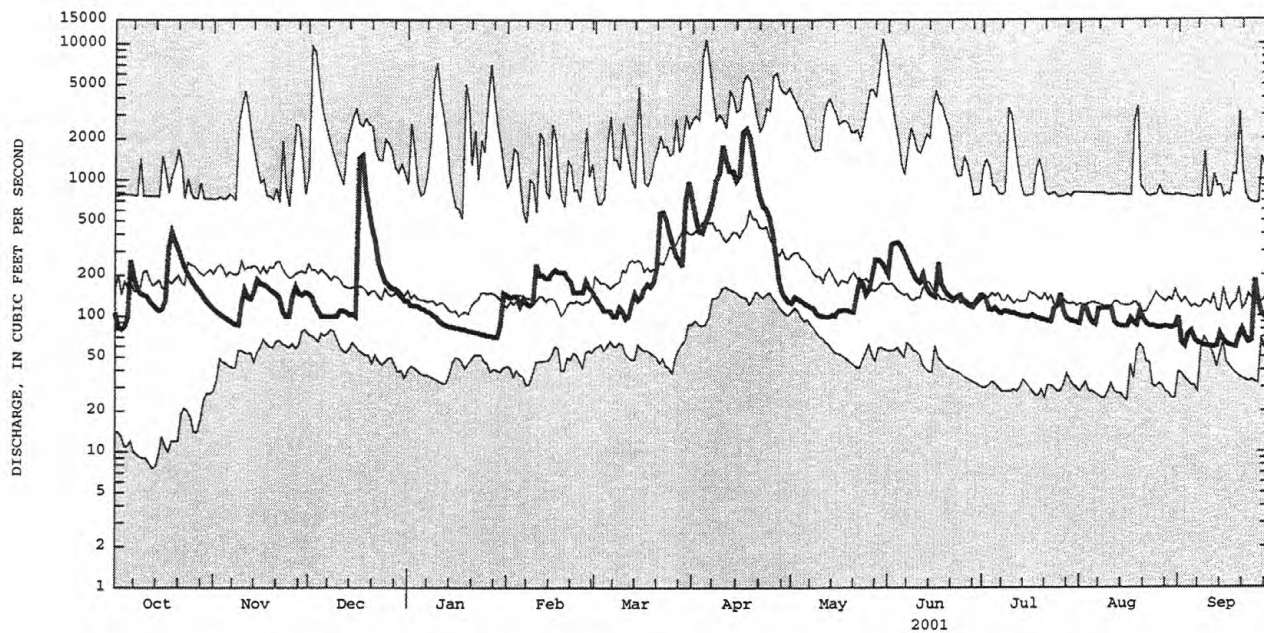
FOR 2001 WATER YEAR

WATER YEARS 1955 - 2001

ANNUAL TOTAL	160867	77982	
ANNUAL MEAN	440	214	
HIGHEST ANNUAL MEAN			331
LOWEST ANNUAL MEAN			688
HIGHEST DAILY MEAN	3310	May 25	2360
LOWEST DAILY MEAN	80	Oct 3	59
ANNUAL SEVEN-DAY MINIMUM	94	Nov 3	61
10 PERCENT EXCEEDS	1260		398
50 PERCENT EXCEEDS	182		123
90 PERCENT EXCEEDS	114		81

e Estimated

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1978 to current year.

INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. Prior to June 1994, water-temperature recorder provided one-hour interval readings.**REMARKS.**--Water temperature is affected by release of water from upstream reservoir.**EXTREMES FOR PERIOD OF DAILY RECORD.--**

WATER TEMPERATURES: Maximum (water years 1978, 1981-82, 1984-2001), 28.0°C, June 30, 1981; minimum (water years 1979-87, 1989-2001), 0.0°C on many days during winter periods, except 1989, 1998.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 24.0°C, June 15, July 23, 24, 25; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	13.0	9.5	11.0	7.5	5.0	6.0	3.0	2.0	3.0	.5	.0	.0
2	14.5	11.0	12.5	7.5	5.0	6.0	2.0	.0	1.0	.0	.0	.0
3	14.5	11.5	13.0	8.0	5.0	6.5	.5	.0	.5	.0	.0	.0
4	13.0	11.0	11.5	8.5	7.0	8.0	.5	.0	.0	.0	.0	.0
5	11.5	10.5	10.5	8.0	6.5	7.5	.5	.0	.5	.0	.0	.0
6	11.0	10.0	10.5	7.0	5.0	6.0	.5	.0	.0	.5	.0	.0
7	11.5	9.5	10.5	6.5	4.5	5.5	.5	.0	.0	.5	.0	.0
8	10.0	8.0	8.5	7.5	5.0	6.0	.5	.0	.0	.5	.0	.0
9	8.0	6.5	7.0	8.0	6.5	7.0	.5	.0	.0	.5	.0	.0
10	6.5	5.5	6.0	9.0	8.0	9.0	.5	.0	.0	.0	.0	.0
11	9.5	6.0	7.5	9.0	7.5	8.5	.5	.0	.5	.0	.0	.0
12	10.5	7.0	8.5	7.5	7.0	7.0	.5	.0	.5	.5	.0	.0
13	11.0	7.5	9.5	7.0	6.5	7.0	.5	.0	.0	.5	.0	.0
14	12.5	9.0	10.5	7.5	6.0	7.0	.5	.0	.0	.5	.0	.0
15	13.0	10.0	11.5	6.0	5.0	5.5	.5	.0	.5	.5	.0	.0
16	12.0	10.5	11.5	6.0	4.5	5.0	1.0	.0	.5	.5	.0	.0
17	10.5	10.0	10.0	5.5	4.0	5.0	3.5	.5	2.0	.5	.0	.0
18	10.5	9.5	10.0	5.0	3.5	4.0	3.5	1.5	2.5	.5	.0	.0
19	10.5	9.0	9.5	4.0	3.0	3.5	1.5	1.0	1.5	.5	.0	.0
20	10.5	8.0	9.0	3.0	1.5	2.5	1.5	.5	1.0	.5	.0	.0
21	11.5	8.5	10.0	2.5	1.5	2.0	.5	.0	.5	.5	.0	.0
22	10.5	8.5	9.5	1.5	1.0	1.0	1.0	.0	.5	.5	.0	.0
23	9.5	6.5	8.0	1.0	.0	.5	.0	.0	.0	.5	.0	.0
24	10.0	7.5	8.5	.5	.0	.5	.0	.0	.0	.0	.0	.0
25	12.5	9.5	11.0	.5	.0	.5	.0	.0	.0	.0	.0	.0
26	13.0	10.5	11.5	3.0	.5	1.5	.0	.0	.0	.5	.0	.0
27	12.0	10.0	11.0	4.5	3.0	4.0	.0	.0	.0	.0	.0	.0
28	11.5	8.0	10.0	5.0	4.5	5.0	.0	.0	.0	.5	.0	.0
29	8.0	5.5	6.5	5.0	4.5	4.5	.5	.0	.0	.5	.0	.0
30	6.0	4.5	5.0	4.5	3.0	4.0	.0	.0	.0	.0	.0	.0
31	7.5	4.5	5.5	---	---	---	.0	.0	.0	.5	.0	.0
MONTH	14.5	4.5	9.5	9.0	.0	5.0	3.5	.0	.5	.5	.0	.0

DELAWARE RIVER BASIN

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01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.5	.0	.0	.5	.0	.0	3.5	2.5	3.0	17.5	11.0	14.0
2	.5	.0	.0	1.0	.0	.5	4.0	3.0	3.5	18.0	13.0	15.5
3	.0	.0	.0	2.5	1.0	2.0	5.5	3.0	4.0	19.0	13.5	16.5
4	.0	.0	.0	2.0	.5	1.0	7.5	3.0	5.0	19.5	14.5	17.0
5	.0	.0	.0	.5	.0	.0	8.0	3.5	5.5	18.0	15.0	16.5
6	.0	.0	.0	.5	.0	.0	6.0	4.0	4.5	17.5	12.0	15.0
7	.5	.0	.0	2.5	.0	1.0	5.5	4.0	4.5	17.5	12.0	14.5
8	.0	.0	.0	2.5	.5	1.5	5.0	3.5	4.0	18.0	12.0	15.0
9	.5	.0	.5	2.5	1.0	2.0	8.0	4.0	6.0	18.0	13.5	15.5
10	1.0	.0	.5	2.0	1.0	1.5	7.0	4.5	6.0	18.5	13.0	16.0
11	.0	.0	.0	1.0	.0	.5	6.0	5.0	5.5	20.0	14.0	17.0
12	.5	.0	.0	4.0	.0	1.5	7.5	5.5	6.5	18.0	15.5	17.0
13	.5	.0	.0	3.0	2.0	2.5	10.0	7.0	8.0	17.5	13.0	15.0
14	.5	.0	.5	3.5	2.0	3.0	9.0	5.5	7.5	15.5	12.0	14.0
15	2.0	.5	1.5	4.5	2.0	3.0	8.0	5.5	7.0	17.0	11.0	14.0
16	1.5	1.0	1.0	5.5	2.5	4.0	5.5	4.0	5.0	18.0	12.0	15.0
17	1.0	.0	1.0	4.5	3.5	4.0	5.0	3.5	4.0	16.0	13.0	14.0
18	.5	.0	.0	5.5	2.5	3.5	6.0	3.5	4.5	13.0	11.5	12.0
19	.5	.0	.0	6.0	1.5	4.0	6.5	2.5	4.5	17.0	11.0	14.0
20	3.0	.0	1.0	7.0	2.0	4.5	7.0	3.0	5.0	16.5	13.0	15.0
21	3.0	.0	2.0	5.0	3.0	4.0	7.5	5.0	6.5	16.0	13.0	14.0
22	.5	.0	.0	3.0	2.0	2.5	12.0	6.5	9.0	13.5	12.5	13.0
23	.5	.0	.0	5.0	2.5	3.5	12.0	7.5	10.0	12.5	11.5	12.0
24	.5	.0	.0	3.5	2.0	3.0	11.5	9.0	10.5	16.5	11.5	13.5
25	.0	.0	.0	4.0	1.0	2.5	9.5	7.0	8.5	17.5	13.5	15.0
26	1.0	.0	.5	3.0	1.0	2.0	12.0	6.0	9.0	16.0	13.0	14.0
27	1.5	.5	1.0	2.0	.0	1.0	12.5	7.5	10.0	14.0	12.0	13.0
28	1.5	.0	.5	4.5	1.0	2.5	13.0	8.0	10.5	14.0	12.0	13.0
29	---	---	---	4.0	1.5	3.0	14.0	7.5	10.5	15.0	12.0	13.0
30	---	---	---	3.5	2.0	2.5	15.0	8.5	12.0	13.5	10.5	12.0
31	---	---	---	3.0	2.0	2.5	---	---	---	15.0	9.5	12.0
MONTH	3.0	.0	.5	7.0	.0	2.0	15.0	2.5	6.5	20.0	9.5	14.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	13.5	9.5	12.0	20.0	17.5	18.5	22.5	17.5	20.0	19.5	16.5	18.0
2	13.0	11.0	12.0	18.5	13.0	16.0	21.5	17.5	20.0	19.0	14.5	16.5
3	14.0	11.5	12.5	18.0	13.5	16.0	20.0	16.5	18.5	19.5	15.0	17.0
4	13.0	11.0	12.0	19.0	15.0	17.0	21.0	15.5	18.0	18.5	16.5	17.0
5	14.5	10.5	12.5	20.0	16.5	18.0	23.0	17.0	19.5	19.0	15.0	17.0
6	16.5	12.0	14.5	18.5	15.0	16.5	23.0	18.0	20.5	19.0	14.5	17.0
7	17.5	12.0	14.5	20.0	14.0	17.0	22.5	18.5	20.5	20.0	15.5	17.5
8	18.0	12.0	15.0	19.0	16.5	17.5	22.5	17.5	20.0	21.0	16.0	18.5
9	18.0	12.0	15.0	21.0	15.5	18.0	22.5	17.0	20.0	20.5	17.5	19.0
10	18.0	12.0	15.5	21.0	17.0	19.0	21.5	17.5	19.0	19.5	17.5	18.5
11	16.0	13.0	14.5	20.5	17.5	19.0	18.0	14.5	16.5	19.5	15.5	17.5
12	18.5	12.0	15.0	18.5	16.0	17.5	17.5	15.5	16.0	19.0	15.0	17.0
13	22.0	15.5	18.5	17.5	14.5	16.0	18.5	15.0	16.5	19.0	15.5	17.0
14	23.5	17.0	20.0	16.0	14.0	15.0	19.5	15.5	17.5	17.5	14.5	16.0
15	24.0	17.5	20.5	18.0	13.5	15.5	20.5	15.5	18.0	16.0	12.0	14.0
16	22.0	18.5	20.5	21.0	15.0	17.5	19.0	16.5	18.0	16.5	12.5	14.5
17	19.5	16.0	17.5	19.5	17.0	18.0	20.0	17.0	18.5	17.5	13.5	15.0
18	21.5	14.5	18.0	21.0	15.5	18.0	19.5	16.5	18.0	17.5	13.5	15.5
19	22.5	16.0	19.5	22.0	17.0	19.5	21.0	16.5	18.5	17.5	14.0	15.5
20	22.0	17.0	20.0	22.5	18.0	20.0	20.0	17.0	18.5	16.0	14.5	15.0
21	20.0	17.0	18.5	23.0	17.5	20.0	18.5	16.5	17.5	18.0	14.0	16.0
22	18.0	15.5	16.5	23.0	18.0	20.5	20.0	15.5	17.5	17.5	15.0	16.5
23	18.5	16.0	17.0	24.0	18.5	21.0	18.0	15.0	16.0	18.5	15.0	16.5
24	18.5	15.0	17.0	24.0	19.5	21.5	18.5	14.0	16.0	16.5	15.0	15.5
25	20.0	15.0	17.5	24.0	18.5	21.5	19.5	14.0	16.5	15.5	14.0	15.0
26	22.5	16.0	19.0	22.0	17.0	19.0	18.5	16.0	17.5	14.0	12.5	13.0
27	23.0	17.5	20.5	20.0	13.5	17.0	18.5	16.5	17.5	12.5	11.0	12.0
28	22.0	18.0	20.5	21.0	15.5	18.0	18.5	15.5	17.0	13.0	11.0	12.0
29	22.0	17.5	20.0	20.5	17.5	19.0	19.0	15.0	17.0	13.5	11.0	12.0
30	22.0	17.0	19.5	21.5	17.0	19.0	17.5	14.5	16.0	13.5	10.0	11.5
31	---	---	---	22.5	16.5	19.5	19.5	15.5	17.0	---	---	---
MONTH	24.0	9.5	17.0	24.0	13.0	18.0	23.0	14.0	18.0	21.0	10.0	16.0

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.

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 sea level. Prior to Oct. 1, 1933, nonrecording gage at site 125 ft upstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite gage-height and temperature telemeter and National Weather Service telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,900 ft³/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 ft³/s on basis of slope-area measurement at gage height 15.52 ft; minimum discharge, 16 ft³/s, Nov. 22, 23, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1715	a*34,400	*16.34	Apr. 13	2200	5,370	8.03
Apr. 10	0045	9,230	9.88				

a From rating curve extended as explained above.

Minimum discharge, 44 ft³/s, Aug. 31, gage height, 0.74 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	237	330	e350	e290	286	1130	321	216	353	69	95
2	170	225	296	320	e220	e300	932	303	1080	330	67	86
3	164	214	252	e320	e190	296	815	282	1070	234	65	64
4	158	209	238	e320	e180	271	837	266	844	207	74	59
5	179	202	289	310	e180	249	1060	251	612	208	79	64
6	585	194	237	e310	e190	e270	1300	234	495	185	71	59
7	416	185	226	303	e190	e290	1860	219	417	165	65	53
8	303	179	221	282	e190	257	2790	210	362	167	62	49
9	263	176	242	260	e220	263	3720	202	320	194	59	48
10	248	310	186	225	e310	252	7070	192	289	181	60	52
11	247	385	278	215	e250	223	4720	182	272	188	62	65
12	229	312	262	257	e240	232	4160	172	327	159	67	56
13	214	270	190	201	e250	284	4790	167	260	141	71	52
14	204	327	232	227	e260	378	3710	157	228	133	66	77
15	196	497	242	227	e330	319	2450	149	207	127	60	83
16	196	403	223	215	e300	316	1840	143	196	121	56	65
17	213	368	12500	205	e270	339	1420	139	1010	117	64	56
18	642	345	5330	189	e270	346	1140	139	588	120	69	50
19	844	327	2210	193	e260	322	932	140	363	110	63	47
20	579	313	1460	193	e260	334	801	131	302	103	61	72
21	489	306	1020	172	e260	393	735	126	294	97	60	315
22	438	290	846	142	260	985	724	150	261	92	58	169
23	391	267	657	165	e290	963	676	216	265	88	53	111
24	370	238	578	208	e290	819	603	235	551	85	53	92
25	349	244	503	191	e300	682	535	172	350	81	51	974
26	329	325	424	159	407	595	479	163	278	109	47	551
27	309	454	e400	e160	357	519	439	413	243	114	46	291
28	294	385	e400	e150	317	496	403	513	219	89	47	222
29	272	351	363	142	---	455	365	382	204	80	48	188
30	259	356	e360	212	---	1400	340	285	199	76	46	159
31	248	---	e360	418	---	1640	---	241	---	73	47	---
TOTAL	9978	8894	31355	7241	7331	14774	52776	6895	12322	4527	1866	4324
MEAN	322	296	1011	234	262	477	1759	222	411	146	60.2	144
MAX	844	497	12500	418	407	1640	7070	513	1080	353	79	974
MIN	158	176	186	142	180	223	340	126	196	73	46	47
CF5M	1.34	1.23	4.20	.97	1.09	1.98	7.30	.92	1.70	.61	.25	.60
IN.	1.54	1.37	4.84	1.12	1.13	2.28	8.15	1.06	1.90	.70	.29	.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2001, BY WATER YEAR (WY)

MEAN	381	602	632	531	495	968	1281	691	387	281	211	241
MAX	1535	1427	1967	1769	2026	2485	2581	1584	1271	1329	1037	946
(WY)	1978	1973	1997	1996	1981	1977	1940	1989	1928	1945	1938	1938
MIN	31.3	42.4	140	93.5	107	289	347	222	107	54.0	40.4	31.8
(WY)	1965	1965	1923	1981	1920	1932	1946	2001	1991	1962	1962	1964

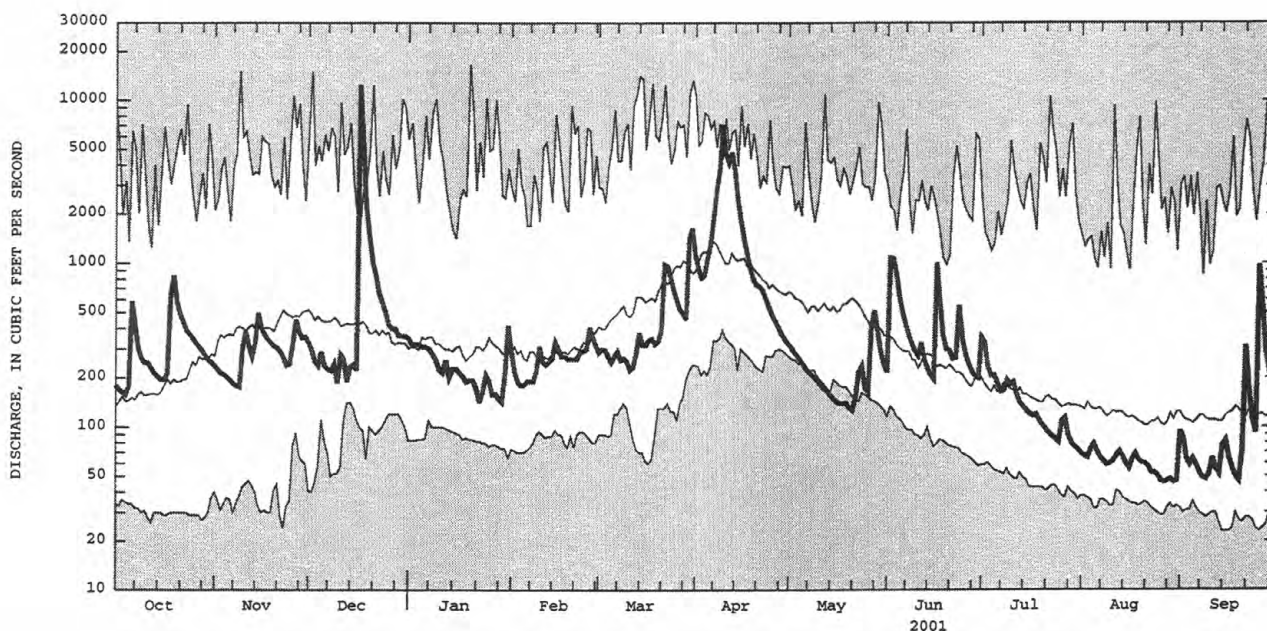
e Estimated

DELAWARE RIVER BASIN

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01420500 BEAVER KILL AT COOKS FALLS, NY--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1913 - 2001	
ANNUAL TOTAL	250416		162283		558	
ANNUAL MEAN	684		445		937	
HIGHEST ANNUAL MEAN					277	
LOWEST ANNUAL MEAN					1928	
HIGHEST DAILY MEAN	12500	Dec 17	12500	Dec 17	16700	Jan 19 1996
LOWEST DAILY MEAN	133	Sep 8	46	Aug 27	23	Sep 14 1913
ANNUAL SEVEN-DAY MINIMUM	161	Aug 26	47	Aug 25	26	Sep 21 1964
ANNUAL RUNOFF (CFSM)	2.84		1.84		2.31	
ANNUAL RUNOFF (INCHES)	38.65		25.05		31.43	
10 PERCENT EXCEEDS	1400		807		1230	
50 PERCENT EXCEEDS	383		249		318	
90 PERCENT EXCEEDS	196		65		84	



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.

DELAWARE RIVER BASIN

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, 1999-2001), 31.0°C, July 9, 1993; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 30.0°C, Aug. 9; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	13.5	9.5	11.5	7.5	5.0	6.0	3.0	1.5	2.5	.0	.0	.0
2	14.5	11.5	12.5	7.5	5.0	6.0	1.5	.0	.5	.0	.0	.0
3	14.5	11.5	12.5	8.0	5.0	6.5	.0	.0	.0	.0	.0	.0
4	13.0	11.5	12.0	8.5	7.5	8.0	.0	.0	.0	.0	.0	.0
5	11.5	11.0	11.0	8.0	6.0	7.0	.0	.0	.0	.0	.0	.0
6	12.5	11.0	11.5	6.5	4.5	5.5	.0	.0	.0	.0	.0	.0
7	11.5	9.5	10.5	6.5	4.5	5.5	.0	.0	.0	.0	.0	.0
8	9.5	7.5	8.5	7.0	4.5	6.0	.0	.0	.0	.0	.0	.0
9	7.5	6.5	7.0	8.0	6.5	7.0	.0	.0	.0	.0	.0	.0
10	6.5	5.5	6.0	9.0	8.0	8.5	.0	.0	.0	.0	.0	.0
11	9.5	6.0	7.5	8.5	7.5	8.0	.0	.0	.0	.0	.0	.0
12	10.5	7.5	9.0	7.5	6.5	7.0	.5	.0	.0	.5	.0	.0
13	11.0	7.5	9.0	7.0	6.5	7.0	.0	.0	.0	.0	.0	.0
14	12.5	9.0	10.5	7.0	6.0	7.0	.0	.0	.0	.0	.0	.0
15	12.5	9.5	11.5	6.0	4.5	5.0	.0	.0	.0	.0	.0	.0
16	12.0	10.5	11.5	5.5	4.0	5.0	.5	.0	.0	.0	.0	.0
17	10.5	10.0	10.0	5.5	4.5	5.0	3.0	.0	1.5	.0	.0	.0
18	10.5	10.0	10.0	4.5	3.5	4.0	2.5	1.0	1.5	.0	.0	.0
19	10.5	9.0	10.0	4.0	2.5	3.5	1.5	1.0	1.0	.0	.0	.0
20	10.0	7.5	9.0	2.5	1.0	2.0	1.5	.5	1.0	.0	.0	.0
21	11.0	8.0	9.5	2.5	1.5	2.0	1.0	.0	.5	.0	.0	.0
22	10.5	8.5	9.5	1.5	.5	1.0	1.0	.0	.5	.0	.0	.0
23	9.0	6.5	8.0	.5	.0	.0	.5	.0	.5	.0	.0	.0
24	10.0	7.0	8.5	.0	.0	.0	.5	.0	.5	.0	.0	.0
25	12.0	9.5	11.0	.5	.0	.0	.5	.5	.5	.0	.0	.0
26	12.5	10.5	11.5	3.5	.0	1.5	.5	.5	.5	.0	.0	.0
27	11.5	9.5	10.5	4.5	3.0	4.0	.5	.5	.5	.0	.0	.0
28	11.0	7.0	10.0	4.5	4.0	4.5	.5	.5	.5	.0	.0	.0
29	7.0	4.5	5.5	4.5	4.0	4.0	.5	.0	.5	.0	.0	.0
30	5.5	4.0	4.5	4.0	3.0	3.5	.5	.0	.0	.0	.0	.0
31	7.5	4.5	6.0	---	---	---	.0	.0	.0	.5	.0	.0
MONTH	14.5	4.0	9.5	9.0	.0	4.5	3.0	.0	.5	.5	.0	.0

DELAWARE RIVER BASIN

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01420500 BEAVER KILL AT COOKS FALLS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.5	.0	.5	.5	.0	.0	3.0	2.5	2.5	15.5	10.0	12.5
2	.5	.0	.0	.5	.0	.0	3.5	2.5	3.0	16.5	11.5	14.0
3	.0	.0	.0	.5	.0	.5	5.0	2.5	3.5	17.5	12.5	15.0
4	.0	.0	.0	.5	.0	.0	6.0	2.0	4.0	18.5	14.0	16.5
5	.0	.0	.0	.0	.0	.0	6.5	2.5	4.5	17.0	14.5	16.0
6	.5	.0	.0	.5	.0	.0	5.0	2.5	3.5	16.5	11.0	14.0
7	.0	.0	.0	1.0	.0	.5	4.0	3.5	3.5	16.0	11.0	13.5
8	.0	.0	.0	.5	.0	.0	3.5	2.5	3.0	16.5	10.5	13.5
9	.5	.0	.0	.5	.0	.0	6.5	3.0	4.5	17.0	12.5	14.5
10	.5	.0	.5	1.0	.0	.5	5.5	2.5	4.0	17.5	12.0	15.0
11	.5	.0	.0	.0	.0	.0	4.5	3.0	4.0	19.0	13.5	16.5
12	.5	.0	.0	2.0	.0	.5	5.5	4.0	4.5	17.5	15.0	16.5
13	.5	.0	.5	1.5	.0	1.0	8.0	4.5	6.0	16.5	12.0	14.5
14	.5	.0	.5	2.0	1.0	1.5	7.5	4.0	5.5	15.0	11.5	13.5
15	.5	.0	.5	3.0	.5	2.0	7.0	4.0	6.0	16.5	10.5	13.5
16	.5	.0	.5	4.0	1.5	2.5	7.0	5.5	6.5	17.0	11.0	14.0
17	.5	.0	.5	3.5	2.5	3.0	6.5	5.0	5.5	15.0	12.5	13.5
18	.5	.0	.0	4.0	1.5	2.5	7.0	4.0	5.5	12.5	11.5	12.0
19	.5	.0	.0	5.0	1.0	3.0	7.5	3.0	5.5	17.5	12.0	14.5
20	.5	.0	.5	5.5	1.0	3.5	7.5	4.0	6.0	16.5	14.0	15.0
21	.5	.0	.5	3.5	2.5	3.0	9.0	6.5	7.5	15.0	13.5	14.5
22	.0	.0	.0	2.5	1.5	2.0	13.5	8.0	10.5	14.0	13.5	14.0
23	.5	.0	.0	4.5	1.5	2.5	14.5	10.0	12.5	14.0	13.0	13.5
24	.5	.0	.0	3.0	1.5	2.5	14.0	11.5	13.0	17.0	13.0	14.5
25	.5	.0	.0	3.0	.5	2.0	11.5	8.5	9.5	17.0	14.5	15.5
26	.5	.0	.0	2.0	.5	1.5	12.0	6.5	9.0	15.0	14.0	14.5
27	.5	.0	.5	2.0	.0	1.0	12.0	8.0	10.0	14.0	13.0	13.5
28	.5	.0	.0	4.0	.5	2.0	12.0	7.5	9.5	14.0	12.0	13.0
29	---	---	---	3.0	1.5	2.5	12.0	6.5	9.5	15.0	12.5	13.5
30	---	---	---	2.5	1.5	2.0	13.0	7.5	10.5	14.5	11.0	12.5
31	---	---	---	3.0	1.5	2.0	---	---	---	15.0	10.0	12.5
MONTH	.5	.0	.0	5.5	.0	1.5	14.5	2.0	6.5	19.0	10.0	14.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	13.5	10.5	12.0	22.5	18.0	20.0	26.0	19.5	22.5	23.0	19.5	21.5
2	13.0	11.0	12.0	19.0	15.0	17.0	26.5	20.0	23.0	21.5	16.5	19.0
3	13.0	11.5	12.5	18.5	14.5	17.0	26.0	21.5	23.5	22.0	16.0	18.5
4	13.0	11.0	12.0	20.0	16.0	18.0	26.5	22.0	24.0	20.5	18.0	19.0
5	14.5	11.0	12.5	22.0	18.0	19.5	27.5	22.0	24.5	22.0	16.5	18.5
6	16.0	12.5	14.0	19.5	16.5	18.0	28.0	22.0	24.5	22.0	16.0	18.5
7	16.0	12.0	14.5	21.0	15.5	18.0	28.0	23.0	25.0	23.0	16.0	19.0
8	17.0	12.0	14.5	19.5	18.0	18.5	29.5	23.5	26.0	24.5	17.0	20.5
9	16.5	12.5	14.5	23.0	17.0	20.0	30.0	23.0	26.0	24.0	19.0	21.0
10	18.0	12.5	15.0	23.5	19.0	21.0	27.0	24.0	25.0	22.0	19.5	20.5
11	16.0	14.0	15.0	22.0	19.0	20.5	24.5	22.0	23.0	22.5	18.0	19.5
12	18.5	13.0	15.5	20.0	17.5	19.0	23.0	21.5	22.0	22.5	16.5	19.0
13	22.5	16.5	19.5	19.0	16.0	17.5	24.5	21.0	22.5	21.5	16.5	18.5
14	23.5	18.5	21.0	18.5	15.5	17.0	25.0	20.0	22.5	18.5	15.0	17.0
15	24.5	19.5	22.0	20.0	16.0	18.0	26.0	19.5	22.5	18.0	13.5	15.0
16	22.5	20.0	21.0	23.0	17.5	20.0	25.0	20.0	22.5	19.0	13.5	15.5
17	21.0	17.0	18.0	21.5	19.0	20.0	25.0	21.0	22.5	20.0	14.5	16.5
18	20.0	15.0	17.5	23.5	18.0	20.5	23.5	20.0	21.5	19.5	14.5	16.5
19	21.0	16.0	18.5	23.5	19.0	21.5	26.0	19.5	22.5	19.0	15.0	16.5
20	21.5	17.5	19.5	25.0	19.0	21.5	25.0	21.5	22.5	17.0	16.0	16.5
21	19.5	18.0	18.5	25.0	19.0	22.0	22.5	20.0	21.0	18.5	15.5	17.0
22	19.0	17.0	18.0	25.5	19.5	22.5	25.0	19.0	21.5	19.0	16.0	17.5
23	19.0	17.0	18.0	25.5	20.0	23.0	21.5	19.0	20.0	19.5	16.0	17.5
24	17.5	15.5	16.5	27.5	21.5	24.5	24.0	18.0	20.5	17.5	16.0	16.5
25	20.5	15.5	17.5	28.5	23.0	25.5	24.0	18.0	20.5	17.0	14.5	16.0
26	22.5	16.5	19.5	25.5	20.5	23.0	24.5	18.5	21.0	14.5	12.5	13.5
27	23.5	18.5	21.0	23.0	17.5	20.5	23.5	20.5	21.5	13.0	11.5	12.5
28	22.5	19.0	21.0	24.0	18.0	20.5	24.0	19.0	21.0	13.5	11.5	12.5
29	23.5	19.5	21.5	23.0	19.5	21.0	24.5	19.0	21.0	14.5	12.0	13.0
30	24.5	20.0	22.0	25.0	19.0	21.5	22.5	18.5	20.5	13.5	10.5	12.0
31	---	---	---	25.5	19.0	22.0	24.0	19.5	22.0	---	---	---
MONTH	24.5	10.5	17.0	28.5	14.5	20.5	30.0	18.0	22.5	24.5	10.5	17.0

DELAWARE RIVER BASIN

01421000 EAST BRANCH DELAWARE RIVER AT FISHS EDDY, NY

LOCATION.--Lat 41°58'23", long 75°10'28", Delaware County, Hydrologic Unit 02040102, on left bank 3,000 ft upstream from bridge on County Highway 28 at Fishs Eddy, 0.6 mi upstream from Fish Creek, 4.2 mi downstream from Beaver Kill, and 11 mi upstream from the confluence of East and West Branches near Hancock. Water-quality sampling site at discharge station.

DRAINAGE AREA.--784 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1912 to current year. Monthly discharge only for some periods, published in WSP 1302.

REVISED RECORDS.--WDR NY-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 955.96 ft above sea level. Prior to Sept. 27, 1928, nonrecording gage and Sept. 26, 1928 to Nov. 1, 1967, water-stage recorder at site 3,000 ft downstream at datum 5.0 ft lower.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Subsequent to September 1954, entire flow from 371 mi² 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 ft³/s, Aug. 24, 1933, gage height, 20.60 ft, at former site and datum, from rating curve extended above 22,000 ft³/s; maximum discharge since construction of Pepacton Reservoir, 53,000 ft³/s, Jan. 19, 1996, gage height, 16.88 ft, 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 ft³/s, Aug. 28, 1949, minimum instantaneous discharge not determined; minimum discharge since construction of Pepacton Reservoir, 52 ft³/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 ft³/s, from rating curve extended above 22,000 ft³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,100 ft³/s, Dec. 17, gage height, 14.78 ft; minimum, 124 ft³/s, Sept. 20, gage height, 3.63 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e320	e430	e560	e540	e490	e480	2270	553	533	552	176	204
2	e280	e410	e520	e490	e400	e480	1880	541	1470	566	189	195
3	e270	e390	e450	e490	e370	e470	1630	511	1730	426	198	152
4	e270	e380	e410	e490	e360	e430	1610	482	1550	375	189	159
5	e310	e360	e460	e480	e340	e400	1900	454	1210	386	188	171
6	e950	e340	e400	e480	e360	e430	2310	428	1020	347	178	154
7	e680	e330	e390	e460	e350	e440	2920	400	868	319	188	141
8	e520	e320	e400	e440	e350	e400	4300	384	755	319	190	134
9	e460	e310	450	e410	e390	e420	5070	368	661	345	187	130
10	e440	e500	346	e360	e620	e400	10800	355	599	340	185	128
11	e440	e660	496	e340	e500	e360	7440	338	562	332	192	141
12	e400	e540	475	e390	e490	e370	5950	322	634	307	182	141
13	e380	e500	365	e320	e490	e460	6530	309	541	280	176	134
14	e360	e600	389	e350	e500	e660	5340	293	469	266	171	185
15	e340	e800	448	e350	e610	e580	3830	280	429	257	163	183
16	e350	e700	432	e330	e580	621	4410	278	402	250	156	163
17	e380	e640	13600	e320	e540	630	4170	273	1270	249	186	145
18	e1100	e600	9080	e300	e540	643	3580	277	989	247	184	136
19	e1500	e580	3640	e310	e530	604	2810	277	642	236	172	130
20	e1100	e560	2540	e300	e500	628	2150	263	537	224	212	154
21	e1000	e540	1930	e280	e500	769	1770	254	525	214	183	416
22	e890	e500	1600	e240	e460	1850	1610	339	480	206	169	323
23	e800	e440	e1000	e270	e490	1900	1500	470	473	199	158	222
24	e720	e400	e880	e320	e490	1670	1320	506	763	210	156	195
25	e660	e410	e770	e300	e500	1400	1110	389	586	217	152	1130
26	e620	e560	e670	e260	e660	1210	931	375	484	264	148	936
27	e580	e740	e630	e260	e580	1030	782	656	430	265	146	510
28	e540	e640	e630	e250	e530	987	691	981	393	214	147	397
29	e500	e580	e580	e240	---	883	626	858	384	195	148	343
30	e480	e600	e560	e330	---	2290	584	690	379	187	146	296
31	e460	---	e550	e640	---	3070	---	600	---	182	148	---
TOTAL	18100	15360	45651	11340	13520	26965	91824	13504	21768	8976	5363	7848
MEAN	584	512	1473	366	483	870	3061	436	726	290	173	262
MAX	1500	800	13600	640	660	3070	10800	981	1730	566	212	1130
MIN	270	310	346	240	340	360	584	254	379	182	146	128

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2001, BY WATER YEAR (WY)

	784	1104	1162	964	986	1639	2576	1497	829	529	461	533
MEAN	784	1104	1162	964	986	1639	2576	1497	829	529	461	533
MAX	2531	2772	5017	2931	3297	4239	5957	3465	2426	1750	1707	1838
(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

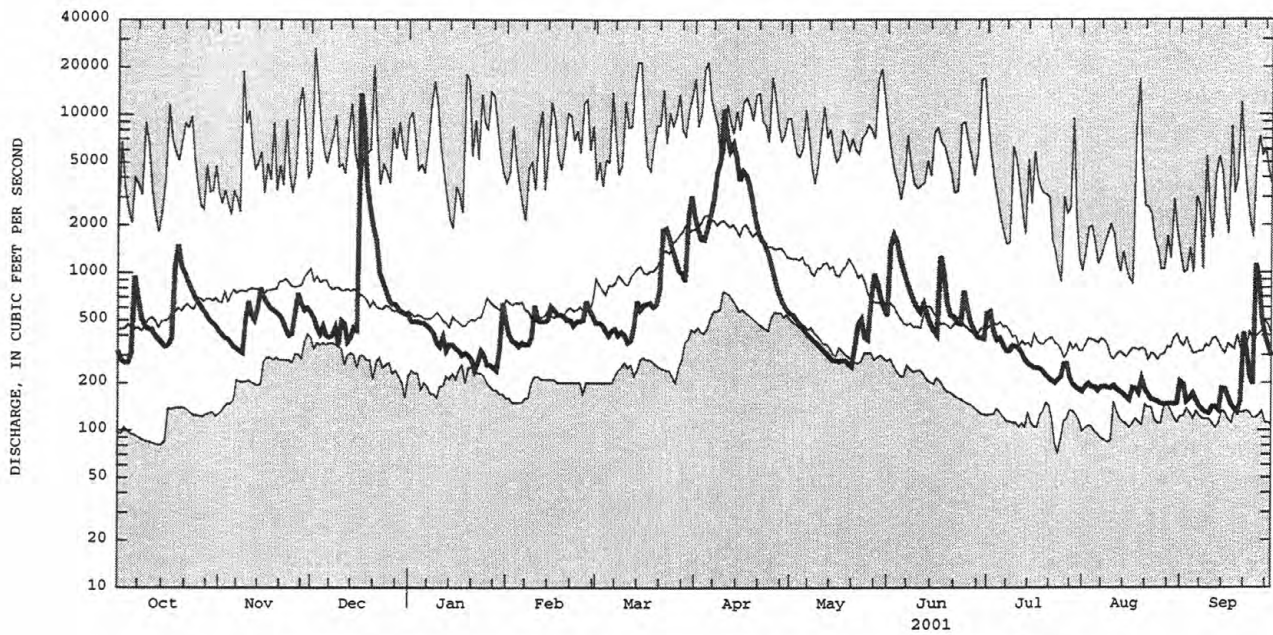
SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1955 - 2001
ANNUAL TOTAL	517441	280219	
ANNUAL MEAN	1414	768	1088
HIGHEST ANNUAL MEAN			1586
LOWEST ANNUAL MEAN			604
HIGHEST DAILY MEAN	13600	Dec 17	26500
LOWEST DAILY MEAN	270	Sep 8	72
ANNUAL SEVEN-DAY MINIMUM	304	Sep 29	84
10 PERCENT EXCEEDS	3410		2410
50 PERCENT EXCEEDS	660		632
90 PERCENT EXCEEDS	380		232

e Estimated

DELAWARE RIVER BASIN

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01421000 EAST BRANCH DELAWARE RIVER 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.

DELAWARE RIVER BASIN

01421000 EAST BRANCH DELAWARE RIVER AT FISHS 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: 1971-75 (d).

BIOLOGICAL DATA:

Bacteria--1971 (c), 1973-75 (c).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: November 1967 to current year.

INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. Prior to June 1993, water-temperature recorder since October 1975, 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. Interruption of record was due to malfunction of recording instrument.**EXTREMES FOR PERIOD OF DAILY RECORD.**--

WATER TEMPERATURES: Maximum (water years 1968-75, 1978, 1980-82, 1984, 1986-95, 1999-2001), 31.5°C, Aug. 2, 1975;

minimum (water years 1968-76, 1978-79, 1981-2001), 0.0°C on many days during winter periods, except 1978.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 29.0°C, Aug. 9; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	14.5	10.5	12.5	8.0	5.0	6.5	3.5	2.0	3.0	.5	.0	.0
2	15.5	12.0	13.5	8.5	5.5	7.0	2.0	.5	1.0	.5	.0	.0
3	15.5	12.5	14.0	8.0	5.5	7.0	1.5	.5	.5	.5	.0	.0
4	13.5	12.0	12.5	9.0	7.5	8.0	1.0	.5	.5	.5	.0	.0
5	12.0	11.0	11.5	8.0	6.5	7.5	1.0	.5	.5	.0	.0	.0
6	12.0	11.0	11.5	7.5	5.0	6.5	.5	.5	.5	.5	.0	.0
7	11.5	10.0	11.0	7.5	5.0	6.0	.5	.5	.5	.0	.0	.0
8	10.0	8.0	9.0	7.5	5.0	6.5	.5	.5	.5	.5	.0	.0
9	8.0	7.0	7.5	8.5	6.5	7.5	.5	.0	.5	.5	.0	.0
10	7.0	6.0	6.5	9.5	8.5	9.0	.5	.0	.5	.5	.0	.0
11	10.0	6.0	8.0	9.0	8.0	8.5	1.0	.5	.5	.5	.0	.0
12	11.5	7.5	9.5	8.0	7.0	7.5	1.0	.0	.5	.5	.0	.0
13	11.5	8.0	10.0	7.5	7.0	7.0	.5	.0	.0	.5	.0	.0
14	13.0	9.5	11.0	7.5	6.5	7.5	.5	.0	.5	.0	.0	.0
15	13.0	10.5	12.0	6.5	5.0	5.5	1.0	.0	.5	.5	.0	.0
16	12.5	11.5	12.0	6.0	4.5	5.0	1.0	.0	.5	.5	.0	.0
17	11.5	10.5	11.0	5.5	4.5	5.0	3.0	.5	2.0	---	---	---
18	11.0	10.5	10.5	5.0	3.5	4.5	3.0	1.5	2.0	---	---	---
19	11.0	9.5	10.0	4.5	3.0	4.0	1.5	1.0	1.5	---	---	---
20	11.0	8.5	9.5	3.0	2.0	2.5	1.5	.5	1.0	---	---	---
21	11.5	9.0	10.0	3.0	2.0	2.5	.5	.0	.5	---	---	---
22	11.0	9.0	10.0	2.0	.5	1.0	1.0	.0	.5	---	---	---
23	9.5	7.0	8.5	1.0	.5	.5	.5	.0	.0	---	---	---
24	10.5	7.5	9.0	1.0	.5	.5	.5	.0	.0	---	---	---
25	12.5	10.0	11.5	1.0	.5	.5	.5	.0	.0	---	---	---
26	13.5	11.0	12.0	2.5	.5	1.5	.0	.0	.0	---	---	---
27	12.5	10.5	11.5	4.5	2.5	3.5	.5	.0	.0	---	---	---
28	11.5	8.5	10.5	5.0	4.5	4.5	.0	.0	.0	---	---	---
29	8.5	5.0	6.5	5.0	4.5	4.5	.5	.0	.0	---	---	---
30	6.5	4.5	5.5	4.5	3.5	4.0	.5	.0	.0	---	---	---
31	7.5	5.0	6.0	---	---	---	.5	.0	.0	---	---	---
MONTH	15.5	4.5	10.0	9.5	.5	5.0	3.5	.0	.5	---	---	---

DELAWARE RIVER BASIN

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01421000 EAST BRANCH DELAWARE RIVER AT FISHS EDDY, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	.5	.0	.0	3.5	2.5	3.0	17.0	11.0	14.0
2	---	---	---	.5	.0	.0	3.5	3.0	3.0	18.0	13.0	15.5
3	---	---	---	.5	.5	.5	5.0	2.5	4.0	19.5	14.5	17.0
4	---	---	---	.5	.0	.5	7.0	2.5	4.5	20.0	15.5	18.0
5	---	---	---	.5	.0	.0	7.5	3.0	5.0	19.0	15.5	17.0
6	---	---	---	.5	.0	.0	5.0	3.5	4.0	18.0	13.0	15.5
7	.5	.0	.0	1.0	.0	.5	5.0	3.5	4.0	17.5	12.5	15.0
8	.0	.0	.0	1.5	.0	.5	4.5	3.5	3.5	18.0	12.0	15.5
9	.5	.0	.0	1.0	.0	.5	7.5	3.5	5.0	18.5	14.0	16.0
10	.5	.0	.0	2.0	.0	1.0	6.5	3.5	5.0	19.5	14.0	16.5
11	.5	.0	.0	.5	.0	.5	5.5	4.5	5.0	20.0	15.0	17.5
12	.5	.0	.0	3.5	.0	1.0	6.5	5.0	5.5	19.0	16.5	18.0
13	.5	.0	.0	1.5	.5	1.0	8.5	5.5	7.0	18.0	13.5	16.0
14	.0	.0	.0	2.0	1.0	1.0	8.0	5.0	6.5	17.0	13.0	15.0
15	.5	.0	.5	3.0	.5	1.5	8.0	5.5	7.0	17.5	12.0	15.0
16	.5	.0	.0	3.5	.5	2.0	7.0	5.5	6.0	19.0	13.0	16.0
17	.5	.0	.5	3.0	2.0	2.5	6.0	4.5	5.0	16.5	14.0	15.0
18	.5	.0	.0	4.5	2.0	3.0	6.5	4.0	5.0	14.0	13.0	13.5
19	.5	.0	.0	5.5	1.0	3.0	7.0	3.0	5.0	19.0	12.5	15.5
20	.5	.0	.5	6.0	1.5	4.0	7.5	4.0	6.0	17.0	15.0	16.0
21	.5	.0	.5	4.0	2.0	3.5	8.5	6.5	7.5	16.0	14.5	15.0
22	.5	.0	.0	3.0	2.0	2.5	13.5	8.0	10.5	14.5	13.5	14.0
23	.5	.0	.0	5.0	2.0	3.0	15.0	10.5	12.5	14.0	13.5	13.5
24	.5	.0	.0	3.0	1.5	2.5	14.0	11.5	13.0	17.5	13.0	15.0
25	.0	.0	.0	3.0	.5	2.0	11.5	9.0	10.0	17.5	14.5	16.0
26	.5	.0	.0	2.5	1.0	1.5	12.5	7.0	10.0	16.0	14.0	15.0
27	.5	.0	.5	1.5	.0	1.0	13.0	8.5	10.5	15.5	13.5	14.5
28	.5	.0	.0	3.5	1.0	2.0	13.0	8.5	10.5	15.0	13.0	14.0
29	---	---	---	3.5	1.5	2.5	13.0	7.5	10.5	15.5	13.0	14.0
30	---	---	---	3.0	2.0	2.0	14.5	8.5	11.5	14.5	12.0	13.0
31	---	---	---	2.5	2.0	2.5	---	---	---	15.0	10.5	12.5
MONTH	---	---	---	6.0	.0	1.5	15.0	2.5	7.0	20.0	10.5	15.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	13.5	11.0	12.5	23.5	20.0	22.0	26.5	20.5	23.5	23.5	20.0	21.5
2	13.5	11.5	12.5	20.5	16.5	18.5	26.5	21.5	24.0	22.5	17.5	20.0
3	14.0	12.5	13.0	19.5	16.0	18.0	25.0	22.0	23.5	22.5	17.0	19.5
4	13.5	12.0	12.5	21.5	17.0	19.5	26.5	21.5	24.0	20.0	18.5	19.0
5	15.5	11.5	13.5	22.0	19.0	20.5	27.5	21.5	24.5	22.0	17.0	19.5
6	17.0	13.0	15.0	20.5	18.0	19.0	27.5	21.5	24.5	22.5	16.5	19.5
7	17.5	13.0	15.5	22.0	16.5	19.0	28.0	23.0	25.5	23.0	17.5	20.0
8	18.5	13.5	16.0	20.5	19.0	20.0	28.5	23.5	26.0	24.0	18.0	21.0
9	18.5	13.5	16.0	24.0	18.5	21.0	29.0	23.0	26.0	24.0	20.0	22.0
10	18.5	14.0	16.5	24.5	20.5	22.5	26.5	23.5	24.5	22.0	20.0	21.0
11	17.5	15.0	16.0	23.5	20.5	22.0	24.0	20.5	22.5	23.0	18.0	20.5
12	20.0	14.5	17.0	21.5	19.0	20.0	22.5	20.5	21.5	22.5	17.0	20.0
13	23.0	17.0	20.0	20.0	17.0	18.5	23.5	20.5	22.0	22.0	17.5	19.5
14	25.0	19.5	22.0	18.5	17.0	18.0	23.5	20.0	22.0	19.5	16.5	18.0
15	25.5	21.0	23.5	21.0	16.5	18.5	25.0	19.0	22.0	19.0	14.5	16.5
16	24.5	20.0	23.0	23.5	18.0	20.5	23.5	20.0	22.0	20.0	14.5	17.0
17	20.0	18.5	19.5	22.0	20.0	21.0	24.0	20.5	22.0	20.5	15.0	17.5
18	21.5	16.5	19.0	24.5	19.0	21.5	23.0	20.0	21.5	20.5	15.5	18.0
19	23.5	18.0	20.5	25.0	20.5	22.5	25.0	20.0	22.5	20.0	16.0	18.0
20	23.5	19.5	21.5	26.0	20.5	23.0	25.0	21.0	23.0	18.0	17.0	17.5
21	21.5	19.5	20.5	26.5	20.5	23.5	22.5	20.0	21.5	20.5	16.5	18.0
22	20.0	18.0	19.0	26.5	20.5	23.5	24.5	19.0	21.5	21.0	17.0	19.0
23	20.5	18.5	19.5	27.0	21.5	24.5	21.5	19.0	20.0	21.0	17.0	19.0
24	20.0	17.5	18.5	27.5	22.5	25.5	23.0	18.0	20.5	18.5	17.0	18.0
25	22.0	17.0	19.5	28.5	23.5	26.0	23.5	18.0	20.5	18.0	15.5	17.0
26	24.5	18.5	21.5	26.0	21.5	24.0	22.5	19.0	21.0	15.5	13.5	14.0
27	25.0	20.0	22.5	24.0	18.5	21.0	22.5	20.0	21.0	14.0	12.5	13.0
28	24.5	21.0	23.0	24.0	18.5	21.5	23.0	19.5	21.0	14.5	12.5	13.5
29	25.5	21.0	23.0	24.0	20.0	22.0	23.0	19.0	20.5	15.0	12.5	13.5
30	26.0	21.5	23.5	25.5	20.0	22.5	21.5	18.0	20.0	15.0	12.0	13.5
31	---	---	---	26.0	20.0	23.0	24.0	19.5	21.5	---	---	---
MONTH	26.0	11.0	18.5	28.5	16.0	21.5	29.0	18.0	22.5	24.0	12.0	18.0

DELAWARE RIVER BASIN

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01421610 WEST BRANCH DELAWARE RIVER AT HOBART, NY--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	9.0	13	e20	23	e27	22	22	6.2	4.0	2.9	3.3
2	4.7	8.7	9.9	e19	21	e26	21	21	15	3.7	2.8	3.1
3	4.5	8.6	e9.6	e18	19	25	21	18	12	3.1	4.8	1.8
4	6.3	8.9	e9.4	e17	e19	23	25	16	11	3.4	5.5	1.8
5	8.1	10	e9.4	e16	e19	22	33	16	9.1	4.2	4.0	1.9
6	22	9.9	e9.4	e15	e19	e22	43	14	7.2	3.4	2.3	2.2
7	11	9.4	e9.2	e15	19	e21	71	12	6.9	2.8	1.9	2.2
8	6.8	10	e9.2	e14	19	21	180	10	6.4	3.1	1.7	2.2
9	7.3	8.7	e9.2	14	38	20	327	11	5.4	5.6	1.6	1.9
10	6.4	13	e9.2	e13	136	19	401	10	5.6	3.9	1.9	1.7
11	6.2	16	e9.2	e13	71	18	297	8.9	6.8	4.0	1.7	1.7
12	6.0	13	e9.2	e12	e64	17	344	8.3	8.1	3.5	1.8	1.7
13	e7.0	11	e9.2	e12	59	29	370	7.6	6.5	3.3	1.7	2.3
14	7.2	14	e9.2	e11	64	31	255	7.4	5.4	2.6	1.8	3.4
15	6.6	15	10	11	77	25	179	8.0	4.5	2.5	1.7	1.9
16	8.9	13	12	11	54	25	138	6.2	4.8	2.6	1.6	1.8
17	9.9	11	229	11	47	24	111	5.9	19	2.8	2.3	1.8
18	21	11	130	10	42	23	90	5.9	5.8	2.8	1.9	1.7
19	15	11	98	10	e41	22	75	5.6	4.5	2.2	1.7	1.7
20	12	9.8	83	9.9	e38	24	64	6.6	3.9	1.9	6.2	2.5
21	11	10	67	9.1	e34	26	59	5.1	4.6	1.7	3.7	4.0
22	10	11	58	e9.0	e28	31	57	8.8	3.7	1.7	2.1	2.7
23	11	9.6	53	e8.8	e27	28	53	14	9.0	1.7	1.7	3.4
24	11	e9.4	e47	e8.8	e27	25	48	12	8.0	2.1	1.6	2.8
25	11	e9.2	e46	e8.8	42	e23	42	8.3	4.9	1.8	1.5	9.8
26	11	17	e37	e8.6	49	e21	36	7.5	4.0	15	1.6	3.7
27	11	16	e33	8.6	32	e20	33	10	3.8	4.4	1.5	2.2
28	11	13	e29	8.5	28	e19	28	14	3.4	2.8	1.7	5.2
29	11	12	e26	8.8	---	e18	26	11	3.5	2.3	1.9	5.4
30	9.9	13	e24	20	---	e22	24	8.2	4.4	2.6	1.7	4.1
31	9.8	---	e22	28	---	25	---	6.5	---	3.2	1.9	---
TOTAL	301.4	341.2	1138.3	398.9	1156	722	3473	325.8	203.4	104.7	72.7	85.9
MEAN	9.72	11.4	36.7	12.9	41.3	23.3	116	10.5	6.78	3.38	2.35	2.86
MAX	22	17	229	28	136	31	401	22	19	15	6.2	9.8
MIN	4.5	8.6	9.2	8.5	19	17	21	5.1	3.4	1.7	1.5	1.7
CFSM	.63	.73	2.37	.83	2.66	1.50	7.47	.68	.44	.22	.15	.18
IN.	.72	.82	2.73	.96	2.77	1.73	8.34	.78	.49	.25	.17	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9.72	11.4	36.7	12.9	41.3	23.3	116	10.5	6.78	3.38	2.35	6.16
MAX	9.72	11.4	36.7	12.9	41.3	23.3	116	10.5	6.78	3.38	2.35	9.45
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000
MIN	9.72	11.4	36.7	12.9	41.3	23.3	116	10.5	6.78	3.38	2.35	2.86
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS

FOR 2001 WATER YEAR

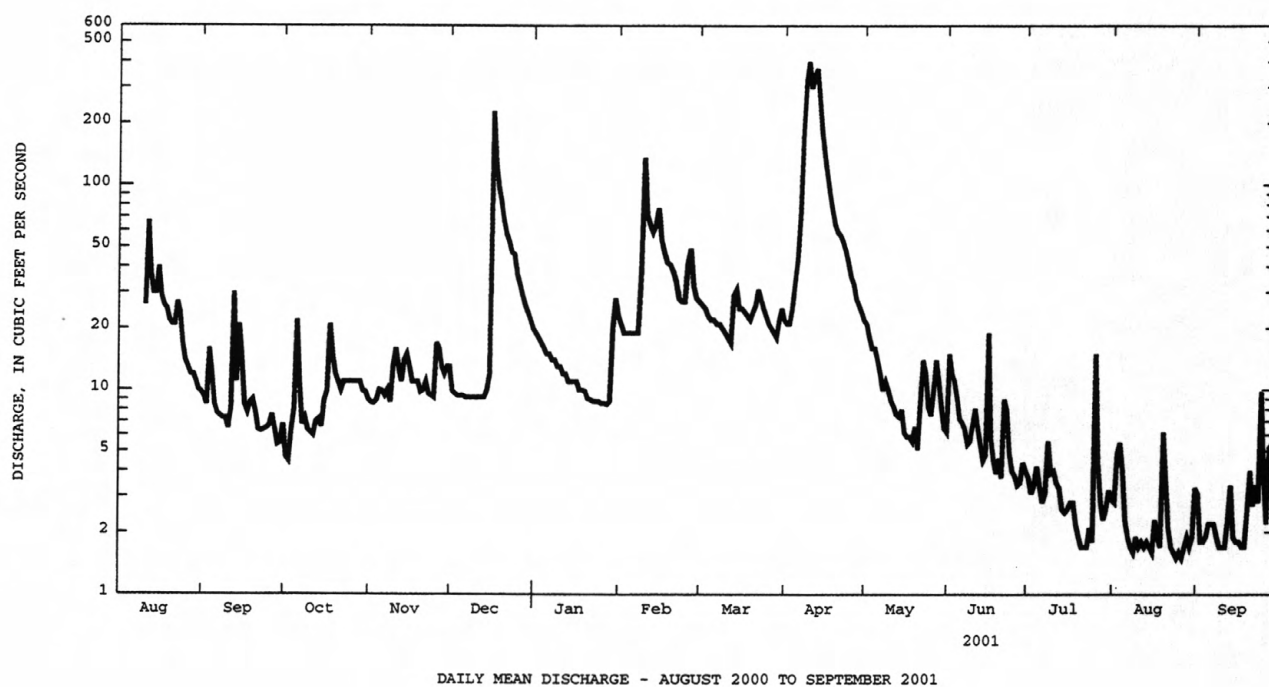
WATER YEARS 2000 - 2001

ANNUAL TOTAL	8323.3		
ANNUAL MEAN	22.8		
HIGHEST ANNUAL MEAN		22.8	2001
LOWEST ANNUAL MEAN		22.8	2001
HIGHEST DAILY MEAN	401	Apr 10	2001
LOWEST DAILY MEAN	1.5	Aug 25	2001
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 23	2001
ANNUAL RUNOFF (CFSM)	1.47		
ANNUAL RUNOFF (INCHES)	19.98		
10 PERCENT EXCEEDS	44		
50 PERCENT EXCEEDS	9.9		
90 PERCENT EXCEEDS	1.9		

e Estimated

DELAWARE RIVER BASIN

01421610 WEST BRANCH DELAWARE RIVER AT HOBART, NY--Continued



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 mi².

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 ft³/s). Elevation of gage is 1,900 ft above sea level, 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, 268 ft³/s, July 4, 1999, gage height, 3.24 ft, from rating curve extended above 22 ft³/s on basis of flow-over-dam measurement of peak flow; minimum discharge, 0.03 ft³/s, Sept. 12, 13, 19, 2001; minimum gage height not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1230	22	2.29	Apr. 13	0200	a*48	*2.53

a From rating curve extended as explained above.

Minimum discharge, 0.03 ft³/s, Sept. 12, 13, 19; minimum gage height not determined.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.26	.50	.96	.79	.61	e.82	.55	1.2	.76	.52	.09	.11
2	.25	.46	.93	.73	.60	e.78	.55	1.0	1.2	.43	.09	.06
3	.23	.45	.87	.71	.57	.52	.93	1.1	.38	.09	.05	.05
4	.30	.44	.84	.68	.66	e.72	.55	.83	1.1	.39	.14	.07
5	.34	.44	.81	e.64	.59	e.70	.61	.75	1.1	.35	.09	.06
6	.58	.40	.72	e.60	.59	e.66	.91	.64	1.1	.31	.09	.05
7	.33	.36	.65	e.58	.55	e.64	1.9	.58	1.0	.27	.08	.05
8	.32	.36	.63	e.54	.54	.63	4.9	.55	.94	.33	.07	.05
9	.33	.37	.59	e.52	1.0	.61	11	.52	.83	.32	.07	.05
10	.36	.71	.55	e.49	e2.0	.59	13	.48	.71	.26	.13	.05
11	.36	.92	e.54	e.46	e1.8	.55	12	.45	.71	.30	.07	.05
12	.36	1.0	e.52	e.44	e1.5	.52	18	.43	.60	.24	.08	.04
13	.36	1.4	e.50	e.42	e1.3	e.64	28	.39	.52	.22	.07	.04
14	.36	2.0	e.50	e.40	e1.5	e.66	20	.36	.46	.21	.06	.11
15	.36	e2.2	.51	e.38	e1.8	.67	11	.35	.41	.19	.06	.05
16	.41	e2.5	.70	e.36	e1.5	.66	8.1	.33	.47	.19	.06	.05
17	.37	e1.9	14	.36	e1.3	.66	6.2	.32	.36	.20	.09	.04
18	1.1	1.5	13	.33	e1.2	.63	4.7	.31	.48	.18	.06	.04
19	1.1	1.3	7.3	.34	e1.1	.60	3.7	.30	.43	.16	.06	.04
20	1.4	1.1	4.9	.32	e1.0	.63	3.0	.28	.52	.15	.07	.14
21	1.4	.96	3.9	.31	e.94	.65	3.2	.26	.44	.14	.06	.12
22	1.2	.90	2.8	.29	e.90	.66	7.0	.53	.41	.14	.05	.06
23	1.0	.79	2.2	.31	e.84	.65	9.1	.62	.90	.12	.05	.05
24	.93	.70	1.8	.29	e.80	.60	7.0	.43	.89	.12	.06	.05
25	.88	.66	1.3	.28	e.96	.60	4.7	.36	.85	.12	.06	.35
26	.80	1.0	e1.2	.26	e.92	.56	3.2	.43	.85	.53	.06	.06
27	.73	.91	e1.1	.27	e.88	.57	2.5	.60	.79	.15	.07	.05
28	.67	.87	1.0	.26	e.84	.55	2.0	.71	.72	.12	.06	.10
29	.60	.93	.93	.26	---	.53	1.6	.72	.63	.11	.06	.10
30	.55	1.0	.92	.73	---	.65	1.4	.78	.53	.10	.05	.06
31	.52	---	.88	.71	---	.55	---	.79	---	.10	.07	---
TOTAL	18.76	29.03	68.05	14.06	28.79	19.70	190.89	17.23	22.41	7.35	2.27	2.20
MEAN	.61	.97	2.20	.45	1.03	.64	6.36	.56	.75	.24	.073	.073
MAX	1.4	2.5	14	.79	2.0	.82	28	1.2	1.2	.53	.14	.35
MIN	.23	.36	.50	.26	.54	.52	.52	.26	.41	.10	.05	.04
CFSM	.80	1.27	2.89	.60	1.35	.84	8.37	.73	.98	.31	.10	.10
IN.	.92	1.42	3.33	.69	1.41	.96	9.34	.84	1.10	.36	.11	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	.72	1.04	1.43	1.44	1.65	2.22	4.52	1.92	1.47	.93	.37	.78
MAX	1.40	1.87	2.20	2.76	2.18	4.48	6.36	3.38	3.04	2.03	.91	1.79
(WY)	2000	2000	2001	1999	2000	2000	2001	2000	2000	1999	2000	1999
MIN	.16	.27	.46	.45	1.03	.64	2.61	.56	.61	.24	.073	.073
(WY)	1999	1999	1999	2001	2001	2001	1999	2001	1999	2001	2001	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

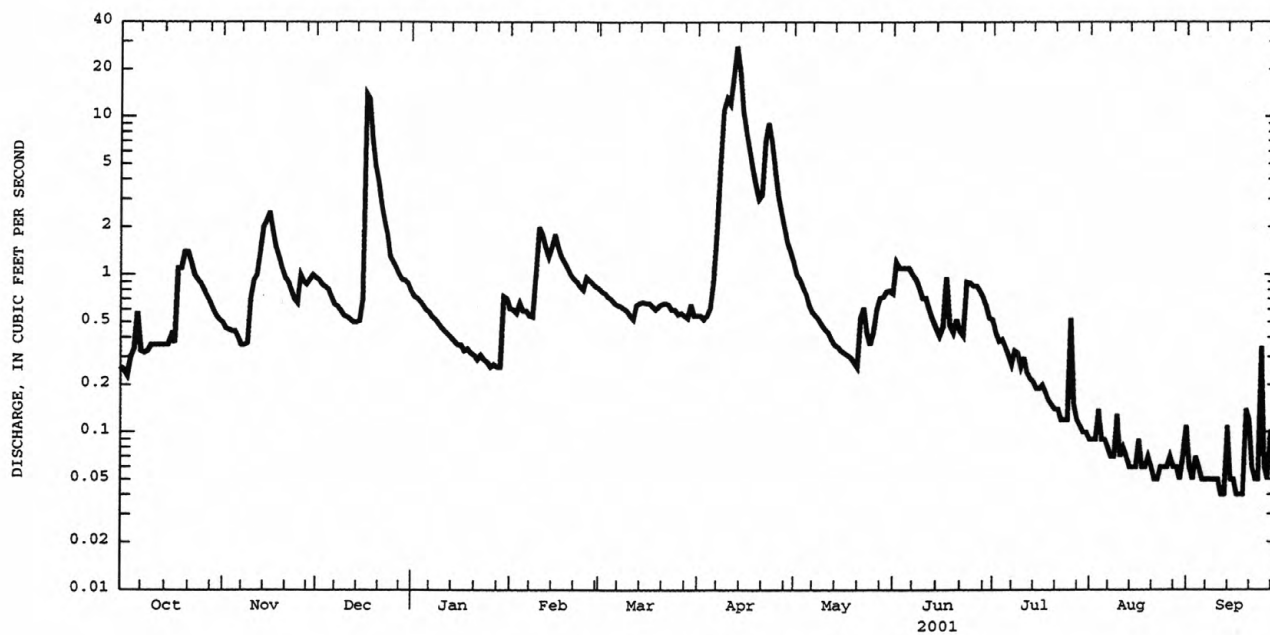
WATER YEARS 1999 - 2001

ANNUAL TOTAL	744.27	420.74	
ANNUAL MEAN	2.03	1.15	1.53
HIGHEST ANNUAL MEAN			2.13
LOWEST ANNUAL MEAN			1.15
HIGHEST DAILY MEAN	14	Feb 28	28
LOWEST DAILY MEAN	.23	Oct 3	.04
ANNUAL SEVEN-DAY MINIMUM	.27	Sep 28	.05
ANNUAL RUNOFF (CFSM)	2.68		1.52
ANNUAL RUNOFF (INCHES)	36.43		20.59
10 PERCENT EXCEEDS	4.8		1.8
50 PERCENT EXCEEDS	1.0		.55
90 PERCENT EXCEEDS	.35		.07

e Estimated

DELAWARE RIVER BASIN

01421614 TOWN BROOK TRIBUTARY SOUTHEAST OF HOBART, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01421618 TOWN BROOK SOUTHEAST OF HOBART, NY

LOCATION.--Lat 42°21'40", long 74°39'45", Delaware County, Hydrologic Unit 02040101, on left bank 10 ft downstream from bridge on Clove Road, 0.9 mi southeast of Hobart, and 1.4 mi upstream from mouth.

DRAINAGE AREA.--14.3 mi².

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,670 ft above sea level, from topographic map.

REMARKS.--Records poor. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,400 ft³/s, July 4, 1999, gage height, 7.54 ft, from rating curve extended above 400 ft³/s on basis of contracted-opening and flow-over-road measurement of peak flow; minimum discharge, 0.42 ft³/s, Sept. 17, 18, 19, 20, 2001; minimum gage height, 0.18 ft, Sept. 5, 1999.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 3,100 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1000	a*1,170	*4.50	Apr. 9	2115	662	3.68

a From rating curve extended as explained above.

Minimum discharge, 0.42 ft³/s, Sept. 17, 18, 19, 20; minimum gage height, 1.04 ft, July 25 and many days during August and September.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	6.6	e13	e26	43	e30	11	13	4.2	4.2	1.2	1.5
2	2.6	6.4	e13	e24	23	e28	10	11	12	4.1	1.1	.86
3	2.6	6.3	e13	e22	e23	23	10	10	9.9	3.2	1.8	.68
4	4.7	6.3	e12	e21	e23	e18	16	9.2	9.4	3.3	3.0	.70
5	5.6	7.1	e12	e20	e21	e20	27	8.4	7.2	4.3	1.7	.74
6	21	6.3	e12	e19	e21	e22	46	7.5	6.4	3.0	1.2	.59
7	7.8	5.9	e12	e18	20	e23	105	6.9	5.9	2.6	.99	.55
8	6.0	5.7	e12	e17	19	e24	240	6.3	5.4	3.0	.93	.55
9	5.7	5.6	e12	e16	114	e26	341	6.0	5.0	5.4	.87	.55
10	5.7	15	e12	e15	214	e27	362	5.6	4.6	2.8	1.3	.62
11	5.7	20	e11	e14	e54	e28	260	5.2	5.2	3.5	1.5	.62
12	5.2	12	e11	e13	e50	e29	344	4.9	5.6	2.7	1.1	.61
13	5.0	11	e11	e12	e45	e32	333	4.6	4.1	2.3	1.1	.60
14	4.9	25	e11	e11	e37	e27	224	4.3	3.5	2.3	1.0	1.5
15	4.6	20	e12	e11	e31	e22	146	4.0	3.1	2.2	1.0	.91
16	6.7	16	51	e10	e28	19	108	3.8	3.1	1.9	.94	.57
17	6.8	16	e500	e8.5	27	16	83	3.7	19	2.2	1.2	.50
18	32	15	205	e7.0	e27	14	63	3.8	5.2	2.2	1.2	.46
19	15	14	131	e6.6	e26	e15	50	3.6	3.8	1.8	1.0	.45
20	12	13	91	6.5	e23	20	41	3.1	4.2	1.6	1.1	.76
21	11	13	e80	e6.2	22	18	38	2.8	4.7	1.5	1.1	2.7
22	10	e12	e70	e6.2	e40	21	47	7.5	3.8	1.4	.85	.88
23	9.8	e12	e60	e6.2	e33	15	56	10	17	1.3	.76	.56
24	9.5	e12	e51	e6.4	e29	13	45	7.6	12	1.2	.79	.54
25	9.2	e11	e48	e6.4	e27	e13	34	4.5	6.5	1.1	.71	11
26	8.8	25	e42	e6.4	e25	e13	27	4.6	5.4	14	.69	2.0
27	8.3	21	e38	e6.4	e23	e12	23	8.0	4.8	3.1	.72	1.1
28	8.0	15	e36	e7.0	e21	e12	19	9.5	4.4	2.0	.77	1.8
29	7.6	14	e33	7.9	---	e12	16	6.5	4.2	1.6	.74	3.5
30	7.3	14	e31	98	---	92	14	5.3	4.0	1.4	.67	1.5
31	7.1	---	e29	130	---	29	---	4.6	---	1.3	.66	---
TOTAL	258.9	382.2	1675	584.7	1089	713	3139	195.8	193.6	88.5	33.69	39.90
MEAN	8.35	12.7	54.0	18.9	38.9	23.0	105	6.32	6.45	2.85	1.09	1.33
MAX	32	25	500	130	214	92	362	13	19	14	3.0	11
MIN	2.6	5.6	11	6.2	19	12	10	2.8	3.1	1.1	.66	.45
CFSM	.58	.89	3.78	1.32	2.72	1.61	7.32	.44	.45	.20	.08	.09
IN.	.67	.99	4.36	1.52	2.83	1.85	8.17	.51	.50	.23	.09	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

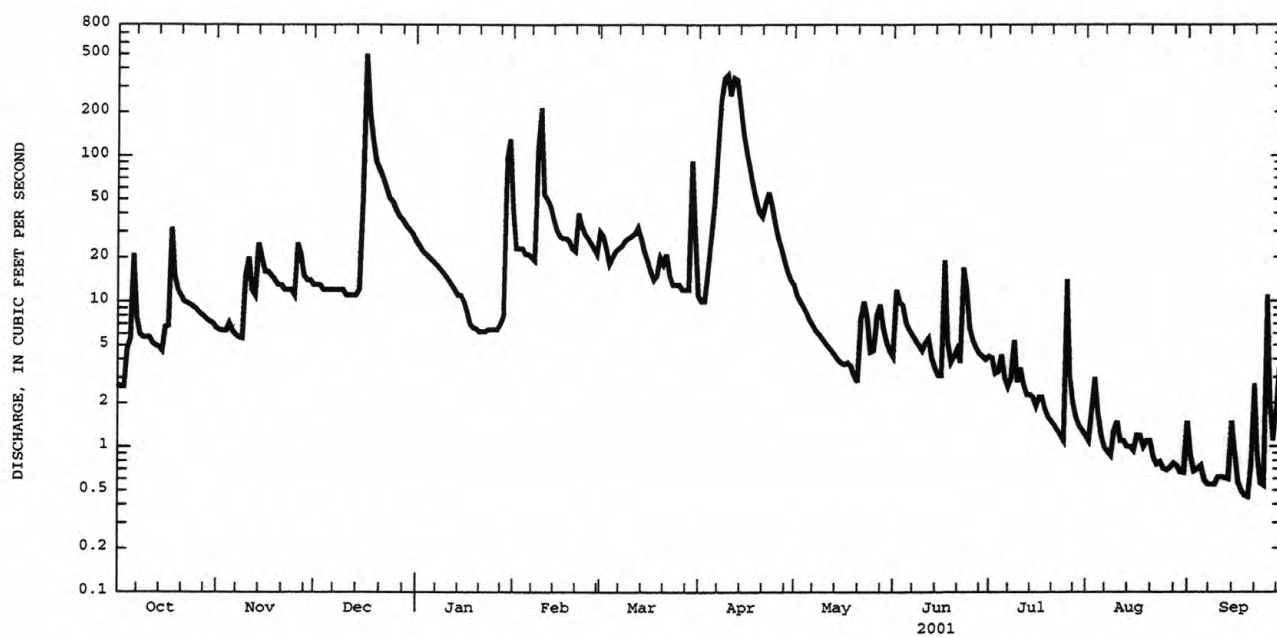
	1998	1999	2000	2001	1998	1999	2000	2001	1998	1999	2000	2001
MEAN	7.75	18.6	26.2	46.6	33.3	52.1	65.6	28.0	25.8	15.9	5.03	14.2
MAX	18.2	33.3	54.0	88.2	47.9	75.9	105	48.7	51.2	33.8	14.1	47.7
(WY)	2000	1998	2001	1998	2000	1998	2001	2000	2000	1999	2000	1999
MIN	1.99	2.57	5.20	18.9	18.4	23.0	32.0	6.32	4.27	2.85	1.09	1.33
(WY)	1998	1999	1999	2001	1998	2001	1999	2001	1999	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1998 - 2001	
ANNUAL TOTAL	12676.8		8393.29			
ANNUAL MEAN	34.6		23.0		28.2	
HIGHEST ANNUAL MEAN					34.0	
LOWEST ANNUAL MEAN					22.7	
HIGHEST DAILY MEAN	500	Dec 17	500	Dec 17	534	Jul 4 1999
LOWEST DAILY MEAN	2.6	Oct 2	.45	Sep 19	.45	Sep 19 2001
ANNUAL SEVEN-DAY MINIMUM	2.9	Sep 27	.58	Sep 6	.58	Sep 6 2001
ANNUAL RUNOFF (CFSM)	2.42		1.61		1.97	
ANNUAL RUNOFF (INCHES)	32.98		21.83		26.79	
10 PERCENT EXCEEDS	81		42		63	
50 PERCENT EXCEEDS	16		8.8		13	
90 PERCENT EXCEEDS	4.3		1.0		1.5	

e Estimated

DELAWARE RIVER BASIN

01421618 TOWN BROOK SOUTHEAST OF HOBART, NY--Continued



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 mi².

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 sea level, from topographic map. Prior to October 1996, at site 0.9 mi downstream at datum 1,345.29 ft above sea level.

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 ft³/s, Jan. 19, 1996, gage height, 9.8 ft, from floodmark, from rating curve extended above 4,500 ft³/s on basis of velocity-area studies, at site and datum then in use; minimum discharge, 2.6 ft³/s, Sept. 25, 1964; minimum gage height recorded since December 1996, 1.75 ft, Sept. 11, 12, 13, 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	2130	3,890	8.33	Apr. 10	0345	*3,900	*8.34
Feb. 10	1230	1,910	5.91				

Minimum discharge recorded, 7.8 ft³/s, Sept. 11, 12, 13, gage height, 1.75 ft, but may have been less during period of estimated record Sept. 21-24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	58	109	e150	249	e170	233	129	68	47	22	16
2	33	55	94	e140	e180	e160	220	118	138	45	20	14
3	31	53	90	e130	e160	e150	207	110	139	41	20	14
4	33	52	e86	e120	e160	e150	242	100	133	40	33	13
5	44	53	e84	e110	e160	e140	356	93	111	45	41	12
6	157	54	e82	e100	e150	e140	498	85	98	43	28	11
7	95	50	e80	e100	163	e130	908	79	88	39	23	10
8	66	49	e80	e96	151	e120	1660	76	81	39	20	9.9
9	56	47	e78	e92	260	e120	2540	72	75	60	19	9.8
10	53	65	e74	e90	1370	e110	3300	68	70	46	18	9.1
11	52	106	e74	e88	e500	e110	2520	64	70	45	20	8.9
12	48	93	e74	e88	e440	e110	2290	62	80	45	20	8.3
13	44	75	e76	e86	e410	208	2480	60	67	39	19	8.1
14	44	85	e78	e90	e390	330	1820	55	59	37	17	11
15	43	141	e80	e88	e500	218	1220	55	54	36	16	11
16	43	102	93	e90	382	221	911	53	54	34	15	11
17	56	97	2170	e90	325	220	713	50	175	34	18	11
18	151	96	1850	91	e250	200	572	48	95	35	16	9.7
19	163	95	996	90	e240	186	462	48	66	32	15	9.0
20	108	90	765	89	e230	197	388	46	56	29	15	9.2
21	97	89	e400	85	e210	237	348	45	65	26	21	e13
22	89	85	e350	e82	e180	266	339	62	58	24	19	e10
23	81	e82	e310	e80	e170	259	320	119	57	23	16	e8.6
24	80	e80	e280	e80	e170	227	296	119	99	21	15	e13
25	78	e78	e250	e76	e200	213	257	78	67	19	13	30
26	74	109	e220	e74	e270	197	226	66	56	70	12	40
27	71	164	e200	e72	e210	181	201	90	51	61	13	26
28	68	125	e190	e70	e190	e170	180	127	47	35	12	24
29	65	112	e180	e68	---	165	158	114	44	29	12	25
30	63	113	e170	e90	---	277	143	88	45	26	12	25
31	61	---	e160	326	---	274	---	76	---	24	12	---
TOTAL	2180	2553	9823	3121	8270	5856	26008	2455	2366	1169	572	430.6
MEAN	70.3	85.1	317	101	295	189	867	79.2	78.9	37.7	18.5	14.4
MAX	163	164	2170	326	1370	330	3300	129	175	70	41	40
MIN	31	47	74	68	150	110	143	45	44	19	12	8.1
CFSM	.52	.64	2.36	.75	2.20	1.41	6.47	.59	.59	.28	.14	.11
IN.	.61	.71	2.73	.87	2.30	1.63	7.22	.68	.66	.32	.16	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1937	88.6	492	1956	6.14	1965
1938	219	534	1952	6.83	1965
1939	261	536	1951	45.0	1999
1940	261	708	1998	40.9	1961
1941	276	583	1939	80.9	1940
1942	474	897	1945	137	1965
1943	556	1322	1958	146	1946
1944	273	637	1943	79.2	2001
1945	149	404	2000	25.8	1964
1946	78.2	273	1998	15.5	1962
1947	59.9	427	1955	8.52	1964
1948	79.7	544	1938	4.03	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

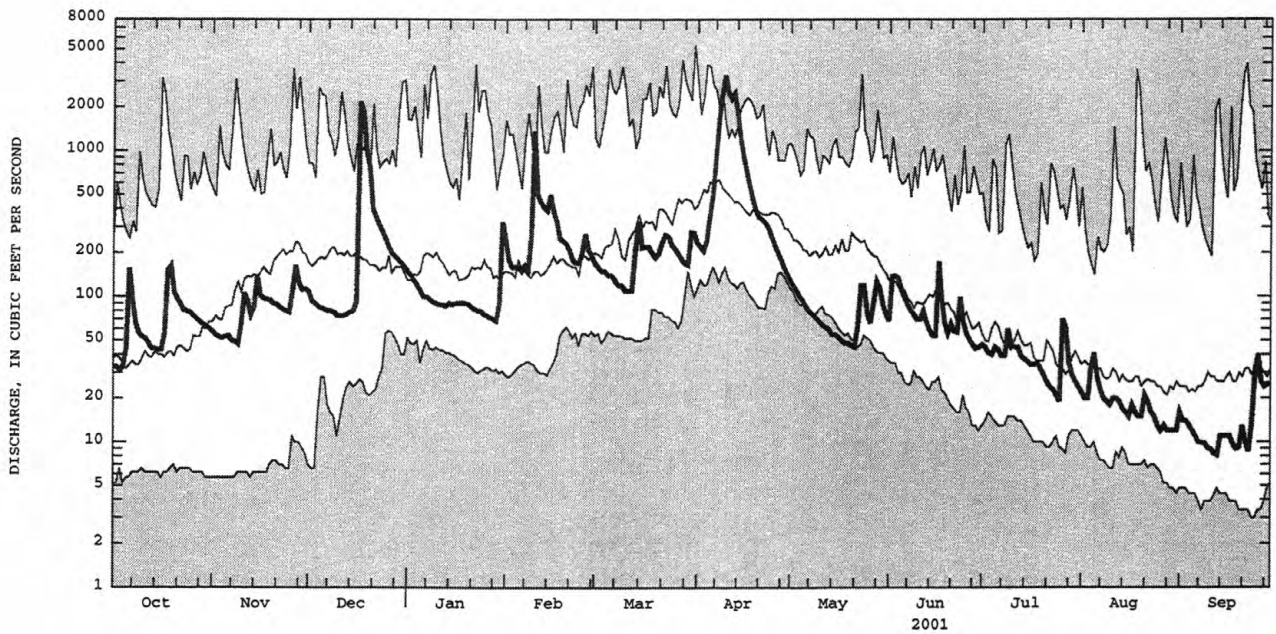
WATER YEARS 1937 - 2001

ANNUAL TOTAL	111966	64803.6	
ANNUAL MEAN	306	178	230
HIGHEST ANNUAL MEAN			328
LOWEST ANNUAL MEAN			112
HIGHEST DAILY MEAN	3800	3300	5320
LOWEST DAILY MEAN	31	8.1	3.0
ANNUAL SEVEN-DAY MINIMUM	34	9.2	3.3
ANNUAL RUNOFF (CFSM)	2.28	1.32	1.72
ANNUAL RUNOFF (INCHES)	31.08	17.99	23.31
10 PERCENT EXCEEDS	727	302	541
50 PERCENT EXCEEDS	156	80	120
90 PERCENT EXCEEDS	48	16	19

e Estimated

DELAWARE RIVER BASIN

01421900 WEST BRANCH DELAWARE RIVER UPSTREAM FROM DELHI, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

357

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 mi².

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,000 ft above sea level, from topographic map.

REMARKS.--Records fair except those below 0.5 ft³/s and those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21 ft³/s, Jan. 8, 1998, gage height, 1.75 ft; minimum discharge, 0.01 ft³/s, Sept. 18, 19, 20, Oct. 1, 2, 3, 4, 5-7, 8, 1998; minimum gage height, 0.32 ft, Sept. 18, 19, 20, Oct. 6, 7, 1998.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 14	1045	*17	*1.66	No other peak greater than base discharge.			

Minimum discharge, 0.03 ft³/s, on many days during August and September; minimum gage height, 0.53 ft, Sept. 9, 18, 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	.58	1.0	.80	.63	e.80	1.2	1.0	1.2	e.43	.07	.11
2	.27	.55	1.0	.75	e.62	e.74	1.1	.92	1.7	e.36	.07	.03
3	.26	.51	.96	.70	e.62	e.72	1.0	.80	1.6	.33	.07	.03
4	.28	.49	.93	.66	e.62	e.70	.98	.71	1.7	.33	.11	.09
5	.34	.48	.88	.63	e.60	e.70	.98	.66	1.7	.32	.07	.04
6	.71	.45	.86	.61	e.58	e.68	1.1	.60	1.5	.32	.06	.03
7	.51	.43	.79	.58	.55	.67	2.3	.56	1.3	.29	.05	.03
8	.56	.40	.75	.54	.54	.63	4.6	.53	1.1	.31	.05	.03
9	.58	.39	.69	e.50	.77	.61	7.9	.51	.95	.30	.05	.03
10	.59	.62	.67	e.45	1.7	.58	9.9	.47	.81	.27	.12	.03
11	.58	.79	.64	e.42	1.6	.56	10	.43	.77	.26	.06	.03
12	.57	.97	.69	e.40	e1.4	.56	10	.42	.66	.23	.06	.03
13	.57	1.1	e.60	e.42	e1.2	.79	9.5	.40	.58	.23	.05	.03
14	.54	1.4	e.58	e.37	e1.2	.76	14	.37	.52	.22	.05	.11
15	.52	1.5	.56	e.33	e1.3	.74	13	.35	.47	.21	.05	.03
16	.57	1.6	.63	e.33	e1.2	.74	11	.33	.47	.20	.04	.03
17	.57	1.5	7.3	e.31	e1.1	.74	8.4	.33	.76	.20	.11	.03
18	1.4	1.4	8.4	e.30	e1.1	.71	6.1	.32	.49	.18	.06	.03
19	1.6	1.2	5.7	e.30	e1.0	.69	4.1	.32	.43	.17	.05	.03
20	1.6	1.2	4.0	e.30	e.94	.70	3.4	.31	.40	.15	.06	.13
21	1.5	1.1	3.0	e.29	e.92	.71	3.6	.30	.38	.14	.05	.10
22	1.3	e.98	2.4	e.28	e.88	.71	5.4	.43	.37	.13	.04	.04
23	1.2	e.90	1.9	e.28	e.84	.68	6.1	.53	.69	.12	.04	.03
24	1.1	.83	1.7	e.28	e.80	.64	4.4	.44	.56	.11	.04	.03
25	.99	e.78	1.4	e.27	.96	.65	3.2	.42	.51	.09	.04	.36
26	.91	e.92	1.3	e.26	.98	.69	2.4	e.52	.47	.28	.04	.12
27	.86	e.96	1.2	e.26	e.88	.91	1.9	e.78	.44	.14	.04	.07
28	.81	e.98	1.1	e.25	e.82	.59	1.6	e.78	.41	.11	.04	.13
29	.73	1.0	.99	e.26	---	e.58	1.4	e.66	e.39	.11	.04	.15
30	.67	1.0	.94	.59	---	1.1	1.2	e1.0	e.38	.10	.03	.09
31	.61	---	.88	.68	---	1.2	---	1.4	---	.08	.04	---
TOTAL	23.60	27.01	54.44	13.40	26.35	22.28	151.76	17.60	23.71	6.72	1.75	2.05
MEAN	.76	.90	1.76	.43	.94	.72	5.06	.57	.79	.22	.056	.068
MAX	1.6	1.6	8.4	.80	1.7	1.2	14	1.4	1.7	.43	.12	.36
MIN	.26	.39	.56	.25	.54	.56	.98	.30	.37	.08	.03	.03
CFSM	1.00	1.18	2.31	.57	1.24	.95	6.66	.75	1.04	.29	.07	.09
IN.	1.16	1.32	2.66	.66	1.29	1.09	7.43	.86	1.16	.33	.09	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	1998	1999	2000	2001	1998	1999	2000	2001	1998	1999	2000	2001
MEAN	.66	1.04	1.19	1.95	1.19	2.43	3.59	1.42	1.32	.74	.13	.49
MAX	1.62	1.61	1.76	3.74	1.56	3.91	5.06	2.42	2.85	2.10	.33	1.52
(WY)	2000	2000	2001	1998	2000	2000	2001	2000	1998	1998	2000	1999
MIN	.11	.27	.65	.43	.92	.72	2.99	.57	.48	.22	.056	.024
(WY)	1998	1999	1999	2001	1998	2001	1998	2001	1999	2001	2001	1998

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

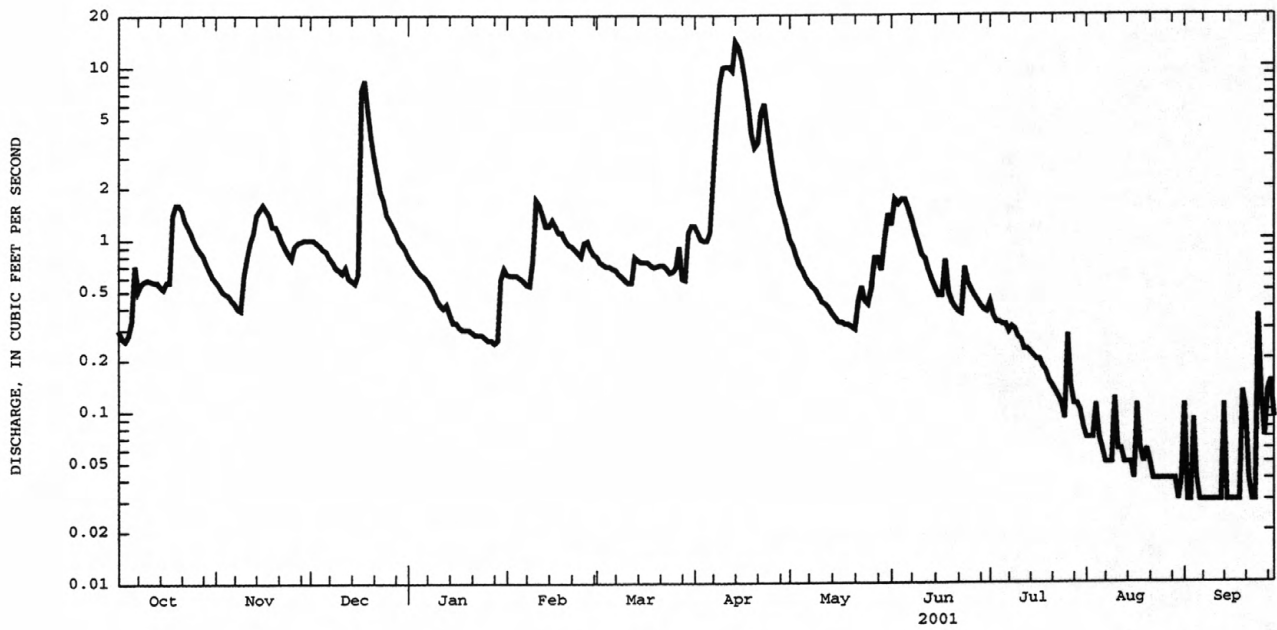
WATER YEARS 1998 - 2001

ANNUAL TOTAL	542.57	370.67	
ANNUAL MEAN	1.48	1.02	1.34
HIGHEST ANNUAL MEAN			1.72
LOWEST ANNUAL MEAN			1.02
HIGHEST DAILY MEAN	10 Feb 28	14 Apr 14	16 Jan 8 1998
LOWEST DAILY MEAN	.12 Aug 4	.03 Aug 30	.01 Sep 19 1998
ANNUAL SEVEN-DAY MINIMUM	.13 Jul 31	.03 Sep 6	.01 Oct 1 1998
ANNUAL RUNOFF (CFSM)	1.95	1.34	1.77
ANNUAL RUNOFF (INCHES)	26.56	18.14	24.03
10 PERCENT EXCEEDS	3.5	1.6	3.0
50 PERCENT EXCEEDS	.90	.58	.81
90 PERCENT EXCEEDS	.23	.05	.06

e Estimated

DELAWARE RIVER BASIN

01422389 COULTER BROOK NEAR BOVINA CENTER, NY--Continued



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 mi².

PERIOD OF RECORD.--October 1937 to September 1970, January 1997 to current year. Water years 1972-74, 1996 (annual maximum only), November to December 1996 (maximum only).

GAGE.--Water-stage recorder. Datum of gage is 1,385.35 ft above sea level. 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 ft³/s, Jan. 19, 1996, gage height, 8.51 ft, from floodmark, from rating curve extended above 1,600 ft³/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 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1230	*1,750	5.60	No other peak greater than base discharge.			
Jan. 1	0500	ice jam	*8.55				

Minimum discharge, 1.9 ft³/s, Sept. 12, 13, gage height, 1.89 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	23	45	e64	e90	e62	128	45	28	17	4.2	6.5
2	8.8	22	44	e64	e80	e58	120	43	68	15	3.9	4.8
3	8.8	21	e35	e56	e70	e56	114	41	62	12	3.9	3.4
4	9.9	21	e32	e50	e56	e54	128	36	67	12	5.0	3.9
5	15	21	e32	e47	e50	e52	165	33	54	14	6.6	5.4
6	72	21	e32	e45	e46	e50	200	30	48	11	4.9	3.7
7	34	19	e32	e43	e44	e48	314	28	44	10	3.9	3.0
8	24	17	e32	e42	e44	e46	547	26	40	11	3.5	2.6
9	22	17	e31	e42	e60	e44	773	25	36	17	3.2	2.4
10	21	33	e30	e40	e260	e44	952	23	33	11	5.5	2.3
11	19	42	e30	e38	e160	e44	751	22	35	13	7.7	2.4
12	18	32	e29	e36	e140	e50	756	21	37	12	5.1	2.3
13	17	28	e29	e34	e130	86	789	20	28	9.6	4.4	2.1
14	16	44	e29	e34	e140	101	570	18	24	9.0	3.8	6.8
15	15	55	e35	e32	e160	76	387	18	21	8.6	3.3	6.1
16	17	45	e40	e30	e120	78	291	16	21	7.8	3.0	3.8
17	25	45	e940	e28	e100	80	235	16	86	8.2	5.1	3.1
18	87	43	650	e27	e90	77	193	16	35	8.7	5.6	2.8
19	67	42	408	e27	e80	74	160	16	26	7.0	4.0	2.5
20	52	40	303	e26	e74	80	137	15	21	6.3	8.0	3.6
21	50	39	260	e25	e72	94	124	14	20	5.7	7.4	10
22	44	37	193	e24	e68	109	122	23	19	5.2	4.9	6.0
23	39	e34	e150	e23	e66	101	111	43	28	4.8	4.1	4.3
24	39	e30	e130	e23	e66	92	100	36	36	4.5	3.8	4.4
25	36	e33	e120	e22	e70	87	87	22	23	4.2	3.3	24
26	33	57	e110	e21	e100	80	76	22	19	20	2.8	13
27	31	61	e95	e21	e80	e74	68	42	16	12	2.7	8.0
28	31	50	e90	e20	e70	e70	61	57	15	7.3	2.9	8.0
29	28	46	e80	e20	---	e66	53	42	14	6.1	3.1	10
30	26	48	e74	e60	---	160	48	34	14	5.2	2.9	7.9
31	24	---	e68	e100	---	146	---	30	---	4.7	3.0	---
TOTAL	938.7	1066	4208	1164	2586	2339	8560	873	1018	299.9	135.5	169.1
MEAN	30.3	35.5	136	37.5	92.4	75.5	285	28.2	33.9	9.67	4.37	5.64
MAX	87	61	940	100	260	160	952	57	86	20	8.0	24
MIN	8.8	17	29	20	44	44	48	14	14	4.2	2.7	2.1
CFSM	.61	.71	2.73	.75	1.85	1.52	5.73	.57	.68	.19	.09	.11
IN.	.70	.80	3.14	.87	1.93	1.75	6.39	.65	.76	.22	.10	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

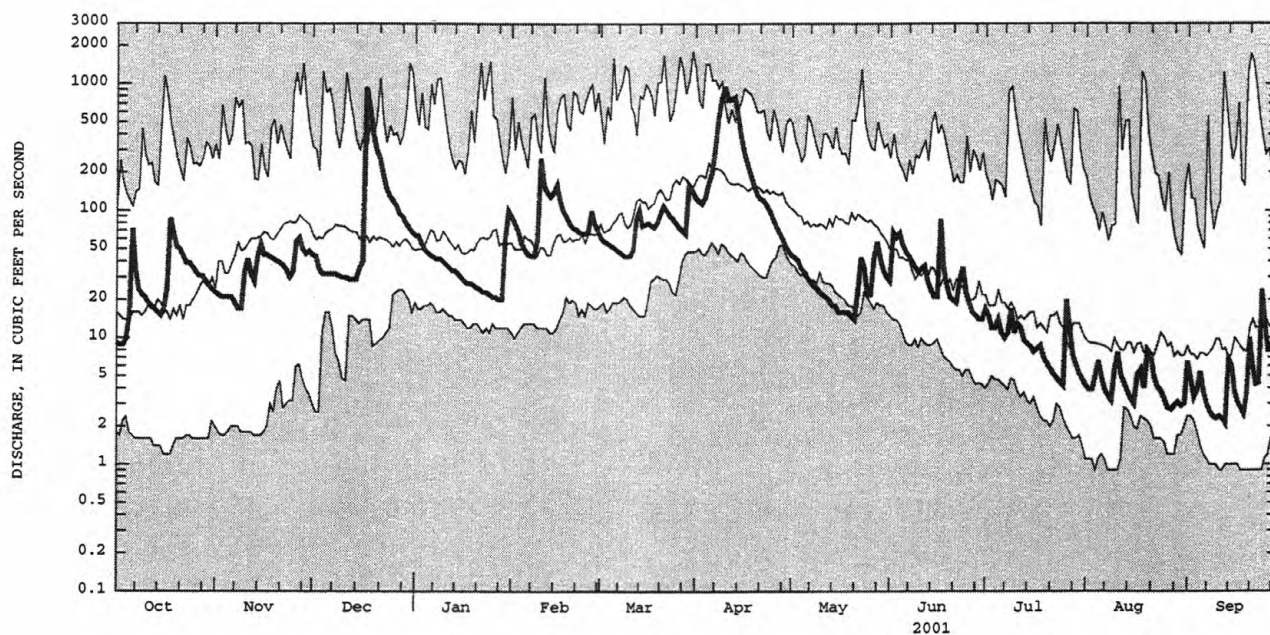
	MEAN	38.2	88.7	102	98.7	99.0	175	211	104	54.7	33.5	19.5	31.8
MAX	203	227	200	265	224	346	490	240	157	173	139	235	
(WY)	1956	1960	1951	1998	1939	1945	1958	1943	1998	1998	1955	1938	
MIN	1.63	2.73	27.4	16.2	26.8	54.3	53.0	28.2	9.91	4.57	2.55	1.29	
(WY)	1965	1965	1965	1961	1963	1965	1946	2001	1964	1965	1964	1964	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	37637.9		23357.2		87.8	
ANNUAL MEAN	103		64.0		131	
HIGHEST ANNUAL MEAN					42.2	
LOWEST ANNUAL MEAN					1965	
HIGHEST DAILY MEAN	940	Dec 17	952	Apr 10	1820	Mar 31 1940
LOWEST DAILY MEAN	6.5	Sep 11	2.1	Sep 13	.90	Aug 4 1964
ANNUAL SEVEN-DAY MINIMUM	7.3	Sep 6	2.4	Sep 7	.90	Sep 18 1964
ANNUAL RUNOFF (CFSM)	2.06		1.28		1.76	
ANNUAL RUNOFF (INCHES)	28.12		17.45		23.97	
10 PERCENT EXCEEDS	248		121		203	
50 PERCENT EXCEEDS	54		32		45	
90 PERCENT EXCEEDS	12		4.4		6.0	

e Estimated

DELAWARE RIVER BASIN

01422500 LITTLE DELAWARE RIVER NEAR DELHI, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

361

01422738 WOLF CREEK AT MUNDAL, 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 mi².

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,760 ft above sea level, from topographic map.

REMARKS.--Records fair except those below 0.10 ft³/s and those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33 ft³/s, Dec. 17, 2000, gage height, 2.37 ft; minimum, no flow part or all of many days during July to September 1999.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1145	*33	*2.37	Apr. 9	2030	24	2.26

Minimum discharge, 0.02 ft³/s, all or part of each day Aug. 19-31, Sept. 2-8; minimum gage height, 1.31 ft, Oct. 1, 2, 3, 4.

REVISIONS.--The peak discharges greater than base discharge of 10 ft³/s and maximums(*) for water years 1999 and 2000 have been revised as shown in the following table. They supersede figures published in WDR NY Vol. 1, 1999 and 2000.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 18, 1999	1800	*28	*2.31	Mar. 12, 2000	0330	13	2.26
Jan. 24, 1999	0830	20	2.20	Apr. 4, 2000	0615	30	2.33
Feb. 28, 2000	0015	*31	*2.35	May 24, 2000	0430	18	2.16

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	.28	.50	e1.0	1.1	1.2	1.2	.40	.33	.21	.04	.05
2	.06	.28	.41	e1.0	1.1	1.2	1.0	.38	.88	.23	.04	.03
3	.06	.28	.37	e.98	e1.1	1.1	1.0	.34	.93	.20	.11	.03
4	.12	.25	e.35	e.94	e1.0	1.1	1.2	.33	.75	.19	.19	.04
5	.35	.23	e.32	e.92	1.0	1.1	1.8	.30	.63	.20	.10	.03
6	1.3	.23	.32	e.92	1.0	1.1	2.3	.28	.58	.18	.06	.03
7	.48	.20	e.31	.92	1.0	1.0	5.3	.27	.52	.17	.06	.02
8	.40	.20	.30	.92	1.0	.97	8.2	.25	.46	.29	.05	.03
9	.35	.20	.28	.92	1.4	.93	13	.25	.38	.28	.05	.04
10	.34	.67	e.28	e.88	3.2	.92	12	.24	.34	.12	.17	.05
11	.34	.73	.28	e.86	2.0	.95	8.1	.22	.62	.13	.10	.05
12	.29	.46	.56	.84	e1.9	e.92	8.0	.22	.52	.11	.07	.05
13	.27	.37	e.35	e.80	1.8	e.92	6.4	.22	.36	.09	.06	.05
14	.26	.75	.29	.77	2.0	1.3	4.1	.21	.35	.09	.05	.11
15	.23	.68	.27	.77	2.2	1.1	3.0	.20	.31	.09	.04	.06
16	.39	.55	.54	e.76	1.7	1.2	2.1	.18	.47	.08	.04	.05
17	.43	.49	13	e.76	e1.7	1.2	1.6	.17	1.1	.09	.17	.05
18	2.0	.42	5.5	e.74	e1.6	1.2	1.3	.18	.46	.08	.04	.05
19	1.1	.39	3.9	e.74	e1.4	1.2	1.1	.16	.37	.06	.03	.05
20	.75	.37	3.0	e.74	e1.4	1.3	.91	.13	.34	.05	.03	.15
21	.66	.37	2.4	e.74	e1.3	1.4	.87	.13	.34	.05	.03	.19
22	.59	.33	2.0	e.74	e1.3	1.6	.81	.61	.34	.04	.03	.10
23	.53	.32	1.8	e.74	1.2	1.5	.71	.73	.43	.04	.03	.10
24	.50	.30	1.6	e.68	1.2	1.4	.66	.45	.38	.04	.03	.12
25	.42	.28	e1.4	.70	1.4	1.4	.61	.31	.31	.04	.02	.88
26	.41	.85	1.3	e.70	1.5	1.4	.56	.48	.28	.52	.02	.14
27	.37	.74	e1.2	.70	1.3	e1.3	.53	.48	.25	.16	.03	.06
28	.38	.61	e1.1	.65	1.3	1.2	.48	.49	.21	.09	.03	.10
29	.36	.56	e1.1	e.64	---	1.2	.45	.41	.20	.07	.03	.07
30	.32	.55	e1.1	1.1	---	2.7	.43	.36	.20	.05	.02	.06
31	.32	---	e1.0	1.2	---	1.3	---	.32	---	.05	.03	---
TOTAL	14.44	12.94	47.13	25.77	41.1	38.31	89.72	9.70	13.64	4.09	1.80	2.84
MEAN	.47	.43	1.52	.83	1.47	1.24	2.99	.31	.45	.13	.058	.095
MAX	2.0	.85	13	1.2	3.2	2.7	13	.73	1.1	.52	.19	.88
MIN	.06	.20	.27	.64	1.0	.92	.43	.13	.20	.04	.02	.02
CFSM	.76	.71	2.49	1.36	2.41	2.03	4.90	.51	.75	.22	.10	.16
IN.	.88	.79	2.87	1.57	2.51	2.34	5.47	.59	.83	.25	.11	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

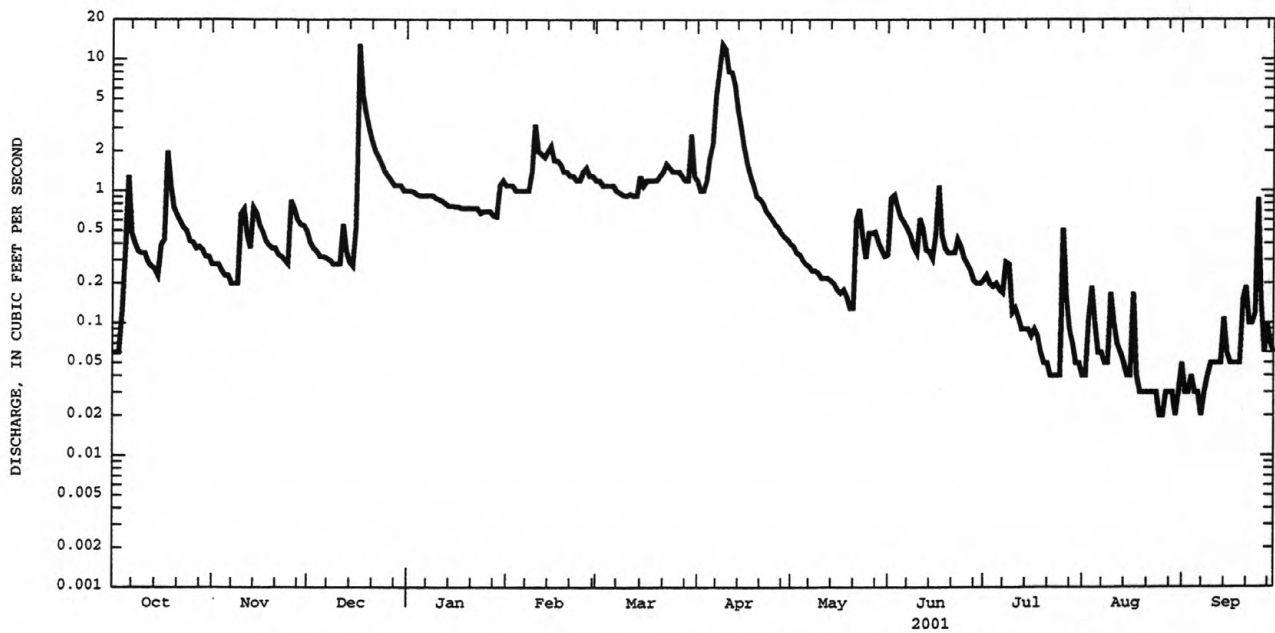
	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	.47	.54	.97	1.39	1.47	1.82	2.33	.88	.47	.14	.081	.22
MAX	.81	1.09	1.52	2.48	1.76	2.63	2.99	1.81	.83	.24	.17	.46
(WY)	2000	2000	2001	1999	2000	2000	2001	2000	2000	2000	2000	1999
MIN	.13	.11	.34	.83	1.16	1.24	1.20	.31	.13	.065	.016	.095
(WY)	1999	1999	1999	2001	1999	2001	1999	2001	1999	1999	1999	2001

e Estimated

DELAWARE RIVER BASIN

01422738 WOLF CREEK AT MUNDAL, NY--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	414.90		301.48			
ANNUAL MEAN	1.13		.83		.90	
HIGHEST ANNUAL MEAN					1.18	
LOWEST ANNUAL MEAN					.68	
HIGHEST DAILY MEAN	14	Feb 28	13	Dec 17	14	Feb 28 2000
LOWEST DAILY MEAN	.04	Sep 8	.02	Aug 25	.00	Aug 17 1999
ANNUAL SEVEN-DAY MINIMUM	.05	Sep 5	.03	Aug 24	.00	Aug 30 1999
ANNUAL RUNOFF (CFSM)	1.86		1.35		1.47	
ANNUAL RUNOFF (INCHES)	25.30		18.39		19.94	
10 PERCENT EXCEEDS	2.8		1.4		2.0	
50 PERCENT EXCEEDS	.60		.42		.55	
90 PERCENT EXCEEDS	.09		.05		.05	



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

DELAWARE RIVER BASIN

363

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 mi².

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,240 ft above sea level, 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 ft³/s, Jan. 18, 1999, Feb. 28, 2000; maximum gage height, 4.89 ft, Jan. 18, 1999; minimum discharge, 1.1 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1330	*1,060	*4.78	Apr. 9	1800	619	4.04

Minimum discharge, 1.4 ft³/s, Aug. 30, 31, gage height, 1.37 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	13	23	e28	35	e34	103	19	18	18	4.5	3.9
2	4.9	12	21	e26	32	34	90	18	43	17	4.2	3.0
3	4.8	12	20	e25	e31	32	83	17	48	14	4.1	2.6
4	5.5	11	e19	e24	e30	31	98	15	52	14	5.4	2.8
5	9.8	11	e18	e23	e29	30	128	14	44	15	4.8	3.0
6	45	10	e18	e22	e28	29	145	13	39	13	4.0	2.5
7	24	9.9	e18	21	26	26	236	13	33	11	3.6	2.3
8	19	9.5	e18	20	e27	e25	314	12	29	12	3.3	2.1
9	17	9.2	e17	19	36	24	396	12	25	18	2.9	2.0
10	16	17	e16	e18	131	23	404	11	22	13	5.3	1.9
11	15	28	e18	e17	e72	e23	287	10	32	12	5.4	2.1
12	14	21	21	e16	e60	e24	249	10	42	11	4.4	1.9
13	13	18	e14	e15	63	34	220	9.8	26	9.7	4.0	2.1
14	12	28	e14	e15	65	40	163	9.1	21	8.8	3.4	4.2
15	12	32	15	16	87	34	121	8.7	18	8.3	3.3	3.5
16	13	28	16	e15	63	35	95	8.1	23	8.0	2.9	2.9
17	16	27	500	e15	55	38	77	7.8	99	8.1	6.7	2.6
18	53	25	245	e15	e49	38	64	8.0	51	8.2	5.3	2.3
19	42	24	155	e15	e47	37	55	7.7	41	7.0	4.2	2.2
20	33	23	118	e14	e42	40	48	7.1	36	6.4	3.9	3.0
21	30	22	91	e14	e40	50	45	6.7	32	5.9	3.5	6.8
22	26	20	75	e13	e38	75	42	23	30	5.5	3.1	4.4
23	24	18	e66	e13	e37	71	36	33	35	5.3	2.9	3.4
24	22	e17	e58	e13	e36	65	34	26	34	4.9	2.9	3.4
25	21	e16	e52	e12	41	59	31	18	26	4.8	2.6	27
26	19	25	e47	e12	e42	53	29	22	22	17	2.4	12
27	18	29	e44	e12	40	e47	27	26	19	10	2.5	7.8
28	18	25	39	e12	37	44	24	27	17	7.3	2.5	6.9
29	16	24	e36	e14	---	41	22	25	15	6.0	2.3	6.3
30	15	25	e34	e18	---	143	20	22	16	5.5	2.0	5.2
31	14	---	e32	e28	---	123	---	20	---	5.0	2.2	---
TOTAL	597.1	589.6	1878	540	1319	1402	3686	479.0	988	309.7	114.5	136.1
MEAN	19.3	19.7	60.6	17.4	47.1	45.2	123	15.5	32.9	9.99	3.69	4.54
MAX	53	32	500	28	131	143	404	33	99	18	6.7	27
MIN	4.8	9.2	14	12	26	23	20	6.7	15	4.8	2.0	1.9
CFSM	.78	.80	2.45	.71	1.91	1.83	4.97	.63	1.33	.40	.15	.18
IN.	.90	.89	2.83	.81	1.99	2.11	5.55	.72	1.49	.47	.17	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	16.6	20.9	36.3	47.8	57.1	76.9	100	42.0	30.4	8.85	6.07	10.8
MAX	25.1	38.8	60.6	92.9	77.3	114	123	87.3	51.0	11.6	12.8	20.1
(WY)	2000	2000	2001	1999	2000	2000	2001	2000	2000	2000	2000	1999
MIN	5.33	4.12	9.88	17.4	46.1	45.2	55.1	15.5	7.17	4.94	1.76	4.54
(WY)	1999	1999	1999	2001	1999	2001	1999	2001	1999	1999	1999	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

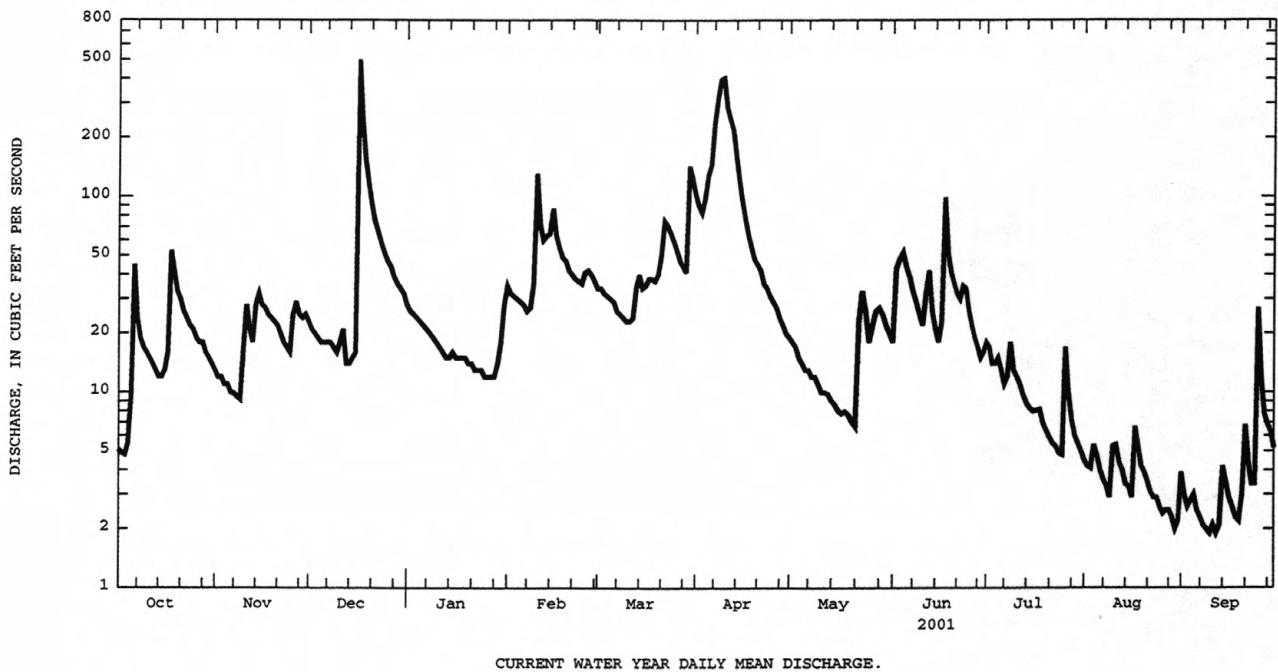
WATER YEARS 1999 - 2001

ANNUAL TOTAL	18756.6	12039.0	
ANNUAL MEAN	51.2	33.0	
HIGHEST ANNUAL MEAN			37.6
LOWEST ANNUAL MEAN			51.4
HIGHEST DAILY MEAN	635	500	28.4
LOWEST DAILY MEAN	3.8	1.9	28.4
ANNUAL SEVEN-DAY MINIMUM	4.7	2.1	28.4
ANNUAL RUNOFF (CFSM)	2.07	1.34	28.4
ANNUAL RUNOFF (INCHES)	28.25	18.13	28.4
10 PERCENT EXCEEDS	122	63	28.4
50 PERCENT EXCEEDS	26	19	28.4
90 PERCENT EXCEEDS	6.3	3.6	28.4

e Estimated

DELAWARE RIVER BASIN

01422747 EAST BROOK EAST OF WALTON, NY--Continued



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.

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 sea level.

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 ft³/s, Jan. 19, 1996, gage height, 16.36 ft, from rating curve extended above 8,800 ft³/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 4.7 mi downstream; minimum discharge, 12 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	2130	7,830	10.37	Apr. 10	0930	*8,240	*10.57

Minimum discharge, 22 ft³/s, Sept. 13, gage height, 2.16 ft.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	161	282	e390	573	435	972	309	226	152	52	38
2	76	153	255	e380	482	e400	878	287	406	138	48	38
3	74	146	213	e370	424	e370	803	267	475	113	46	34
4	77	142	e190	e350	e320	e350	880	246	505	108	48	34
5	103	139	e180	e340	e310	e340	1160	229	434	115	61	34
6	376	139	e180	e330	e300	e330	1440	211	383	107	63	32
7	304	132	e180	e310	e280	e320	2310	195	338	95	51	29
8	206	125	e170	e300	e300	e300	3470	184	301	94	45	27
9	175	123	e170	e290	e380	e280	5210	174	268	136	41	26
10	163	167	176	e270	2120	e270	7600	167	239	119	52	25
11	158	261	223	e260	1310	e260	5690	158	260	104	55	24
12	145	236	259	e250	e900	285	4700	152	354	103	49	23
13	134	201	246	e250	e860	399	5000	147	251	91	45	23
14	127	224	218	e240	917	676	3840	138	210	83	41	31
15	122	333	e210	e230	1370	509	2600	131	184	80	37	34
16	122	287	217	e220	953	501	1950	125	193	76	34	32
17	147	271	4360	e200	e700	525	1550	122	641	73	51	29
18	342	263	5080	e190	e600	504	1260	121	414	74	49	27
19	498	255	2480	e180	e540	467	1030	121	293	68	42	25
20	352	244	1850	e170	e580	496	880	114	242	62	39	30
21	316	237	1360	e160	e600	613	787	108	221	56	42	46
22	286	224	1130	e150	e460	823	744	183	210	52	44	42
23	259	206	877	e150	e440	817	674	308	226	48	39	36
24	244	e170	e640	e160	e450	717	624	327	272	45	36	35
25	233	e170	e560	e160	489	654	557	220	220	43	33	125
26	220	248	e520	e150	851	595	496	206	175	93	31	109
27	208	375	e480	e150	595	510	448	247	152	154	30	77
28	202	318	e450	e150	503	e490	406	339	135	96	30	63
29	188	286	e440	e140	---	469	362	344	123	75	30	60
30	177	288	e420	e180	---	1140	333	281	126	64	29	57
31	169	---	e400	e540	---	1200	---	250	---	57	30	---
TOTAL	6282	6524	24416	7610	18607	16045	58654	6411	8477	2774	1323	1245
MEAN	203	217	788	245	665	518	1955	207	283	89.5	42.7	41.5
MAX	498	375	5080	540	2120	1200	7600	344	641	154	63	125
MIN	74	123	170	140	280	260	333	108	123	43	29	23
CFSM	.61	.66	2.37	.74	2.00	1.56	5.89	.62	.85	.27	.13	.12
IN.	.70	.73	2.74	.85	2.08	1.80	6.57	.72	.95	.31	.15	---

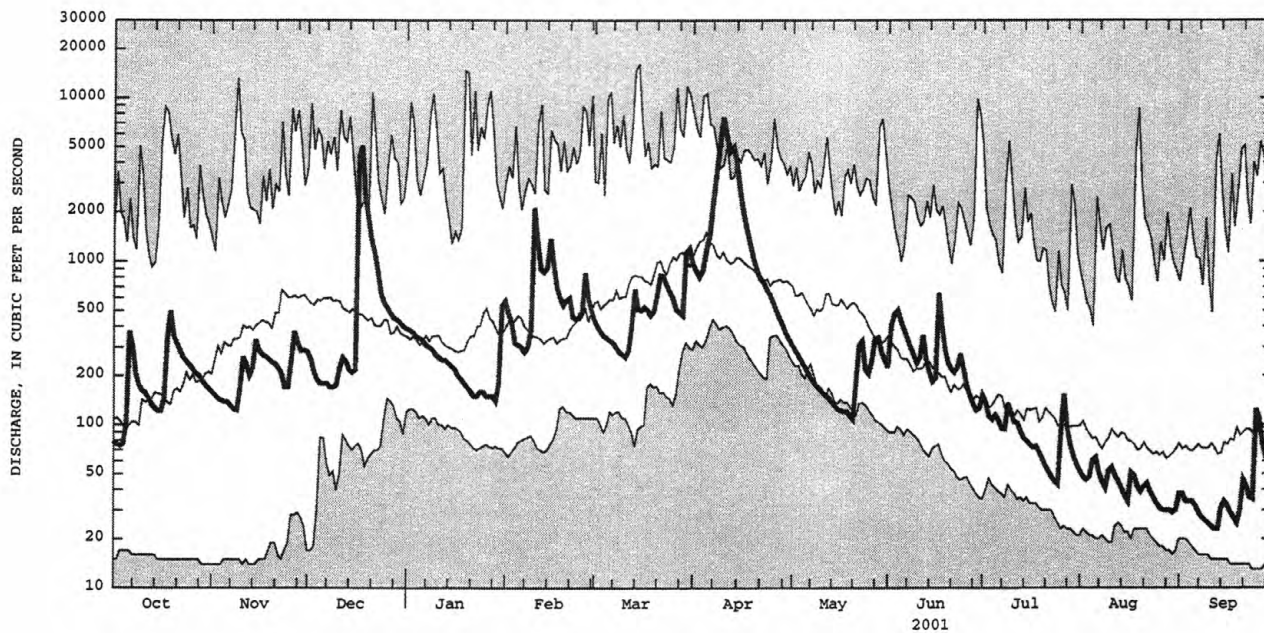
MEAN	337	620	725	643	682	1108	1292	674	355	202	145	195
MAX	2013	1605	2002	1980	2052	2935	2953	1564	1111	889	942	1332
(WY)	1978	1997	1974	1996	1981	1977	1958	1984	1968	1998	1955	1977
MIN	15.4	17.3	139	94.6	147	371	452	190	70.6	38.9	24.2	15.8
(WY)	1965	1965	1999	1961	1980	1965	1986	1987	1964	1965	1964	1964

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951 - 2001	
ANNUAL TOTAL	267501		158368			
ANNUAL MEAN	731		434		580	
HIGHEST ANNUAL MEAN					833	1976
LOWEST ANNUAL MEAN					263	1965
HIGHEST DAILY MEAN	10300	Feb 28	7600	Apr 10	16000	Mar 15 1986
LOWEST DAILY MEAN	74	Oct 3	23	Sep 12	13	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	83	Sep 28	25	Sep 7	13	Sep 21 1964
ANNUAL RUNOFF (CFSM)	2.20		1.31		1.75	
ANNUAL RUNOFF (INCHES)	29.97		17.74		23.75	
10 PERCENT EXCEEDS	1730		834		1330	
50 PERCENT EXCEEDS	344		221		310	
90 PERCENT EXCEEDS	122		42		56	

e Estimated

DELAWARE RIVER BASIN

01423000 WEST BRANCH DELAWARE RIVER AT WALTON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

367

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 mi².

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 sea level. Prior to November 1996, at site 0.3 mi upstream at datum 1165.70 ft above sea level (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 ft³/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 ft³/s on basis of contracted-opening measurement at gage height 7.03 ft (site and datum then in use); minimum discharge, 0.1 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1200	*691	*5.19				

Minimum discharge, 0.94 ft³/s, Aug. 27, 28, Sept. 11, 12, 13, gage height, 0.94 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	9.4	16	e20	29	e23	115	12	5.6	10	1.7	1.3
2	2.8	8.6	e13	e13	25	e22	98	11	33	8.6	1.6	1.3
3	2.3	8.1	e12	e17	e20	e21	90	10	33	6.6	1.7	1.2
4	3.2	7.7	e11	e16	e21	e20	109	9.9	40	6.9	1.9	1.2
5	11	7.4	e11	e15	23	e20	136	9.0	30	8.6	1.6	1.9
6	55	6.7	e11	e15	23	e19	141	8.4	26	6.1	1.5	2.3
7	19	6.2	11	e14	21	21	199	8.1	21	5.3	1.3	1.4
8	13	5.7	11	e14	20	20	237	7.5	18	6.3	1.3	1.2
9	11	5.6	11	e13	30	19	256	7.6	15	6.1	1.2	1.1
10	10	20	9.8	e13	98	18	265	6.5	13	5.0	3.1	1.1
11	11	24	11	e13	e46	19	213	6.3	20	5.6	2.7	1.0
12	8.9	16	20	e12	e40	18	185	6.8	26	4.7	1.9	.99
13	8.4	14	e11	e12	e45	32	161	6.5	14	4.2	1.8	1.0
14	12	21	e12	e12	56	36	124	5.9	12	3.9	1.6	1.6
15	14	22	13	13	75	29	95	5.4	9.8	3.8	1.4	1.7
16	14	18	21	13	e43	32	75	4.7	21	3.7	1.3	1.5
17	17	18	332	13	e37	35	62	4.5	70	3.8	3.1	1.3
18	67	17	189	13	e34	34	51	4.7	34	3.7	2.4	1.2
19	43	16	126	13	e32	34	43	4.6	23	3.1	1.7	1.1
20	31	15	99	13	e30	40	37	4.0	19	2.7	1.5	1.2
21	27	15	e60	12	e28	54	34	3.9	18	2.7	1.4	2.2
22	24	14	e50	e11	e27	83	31	18	17	2.4	1.3	1.8
23	22	11	e40	e10	e26	79	27	16	22	1.9	1.2	1.5
24	20	e10	e35	e9.8	e24	72	25	12	19	1.8	1.2	1.6
25	18	11	e32	e9.6	e28	61	24	8.1	14	2.4	1.1	13
26	16	17	e30	e9.4	e30	53	22	8.1	11	11	1.1	5.0
27	14	18	e28	e9.4	e28	48	19	8.2	9.1	4.8	1.0	3.0
28	15	16	e26	e9.2	e26	43	16	8.6	7.9	3.2	1.1	3.0
29	13	16	e24	e10	---	40	14	7.9	7.2	2.6	1.2	3.2
30	11	17	e23	e14	---	188	13	6.8	9.2	2.2	1.2	2.2
31	10	---	e21	32	---	143	---	6.0	---	1.9	1.2	---
TOTAL	546.6	411.4	1319.8	418.4	965	1376	2917	247.0	617.8	145.6	49.3	63.09
MEAN	17.6	13.7	42.6	13.5	34.5	44.4	97.2	7.97	20.6	4.70	1.59	2.10
MAX	67	24	332	32	98	188	265	18	70	11	3.1	13
MIN	2.3	5.6	9.8	9.2	20	18	13	3.9	5.6	1.8	1.0	.99
CFSM	.87	.68	2.11	.67	1.71	2.20	4.81	.39	1.02	.23	.08	.10
IN.	1.01	.76	2.43	.77	1.78	2.53	5.37	.45	1.14	.27	.09	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2001, BY WATER YEAR (WY)

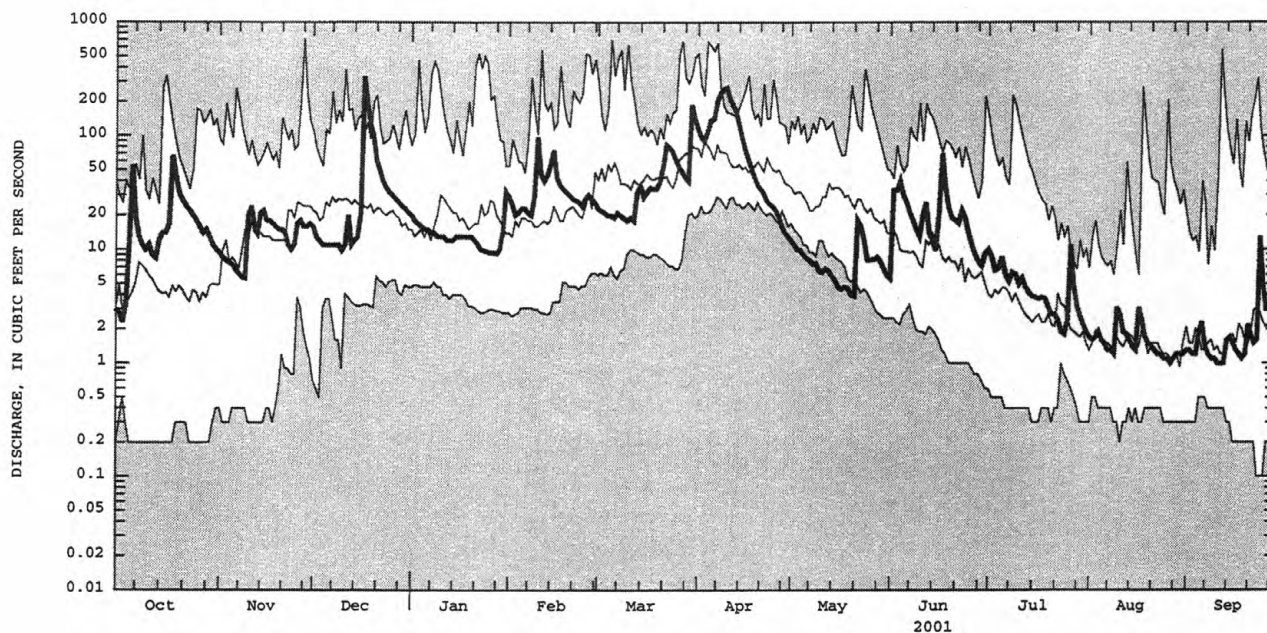
	MEAN	MAX	(WY)	MIN	(WY)
1953	13.0	63.9	1956	.24	1965
1954	25.3	102	1960	.78	1965
1955	32.5	68.0	1960	6.23	1999
1956	37.0	89.7	1998	3.79	1961
1957	38.4	74.8	1961	9.96	1963
1958	66.0	131	1964	24.4	1965
1959	80.9	181	1958	36.0	1966
1960	33.4	88.0	2000	7.97	2001
1961	18.2	59.7	2000	2.00	1962
1962	7.19	50.5	1998	.54	1962
1963	4.26	29.1	1955	.47	1964
1964	9.58	52.8	1960	.48	1964

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1953 - 2001
ANNUAL TOTAL	15617.4	9076.99	
ANNUAL MEAN	42.7	24.9	30.9
HIGHEST ANNUAL MEAN			46.7
LOWEST ANNUAL MEAN			15.0
HIGHEST DAILY MEAN	470	332	715
LOWEST DAILY MEAN	1.2	.99	.10
ANNUAL SEVEN-DAY MINIMUM	1.4	1.1	.16
ANNUAL RUNOFF (CFSM)	2.11	1.23	1.53
ANNUAL RUNOFF (INCHES)	28.76	16.72	20.75
10 PERCENT EXCEEDS	112	52	75
50 PERCENT EXCEEDS	18	13	14
90 PERCENT EXCEEDS	3.5	1.6	1.2

e Estimated

DELAWARE RIVER BASIN

0142400103 TROUT CREEK NEAR TROUT CREEK, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01424108 SHERRUCK BROOK TRIBUTARY NEAR TROUT CREEK, NY

LOCATION.--Lat 42°11'16", long 75°18'57", Delaware County, Hydrologic Unit 02040101, on left bank downstream from culvert on Mormon Hollow Road, 800 ft upstream from Sherruck Brook, and 2.2 mi southwest of Trout Creek.

DRAINAGE AREA.--1.26 mi².

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 sea level, 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, 77 ft³/s, May 24, 2000, gage height, 2.27 ft, outside gage height was 2.48 ft, from crest-stage gage; minimum discharge, 0.02 ft³/s, Sept. 13, 1999, Aug. 22, 25, 26, 2001; minimum gage height, 0.20 ft, Aug. 26, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1115	*62	a*2.12	Apr. 9	2045	36	1.79

a Recorded; outside gage height was 2.36 ft, from crest-stage gage.

Minimum discharge, 0.02 ft³/s, Aug. 22, 25, 26; minimum gage height, 0.20 ft, Aug. 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.19	1.0	1.2	1.1	1.3	e1.4	7.2	.95	.24	.62	.07	.12
2	.19	.95	1.0	1.0	1.3	1.4	6.2	.86	2.2	.51	.06	.08
3	.19	.88	.90	.97	e1.3	1.3	5.4	.79	2.7	.41	.09	.06
4	.29	.83	e.86	.94	e1.2	1.2	5.6	.70	3.9	.43	.10	.11
5	.78	.74	.77	.90	1.2	1.2	6.8	.64	2.5	.49	.08	.09
6	3.7	.69	e.70	.88	1.1	1.2	7.8	.58	1.9	.39	.07	.07
7	1.8	.65	.64	.84	1.1	1.1	11	.53	1.6	.34	.07	.05
8	1.3	.61	e.60	.79	1.0	1.0	15	.49	1.3	.38	.07	.05
9	1.1	.61	.47	.78	e1.0	1.0	21	.48	1.1	.33	.07	.05
10	1.1	2.3	e.46	.73	2.7	.95	27	.44	.94	.32	.21	.08
11	1.2	3.3	.40	.72	e2.5	.91	20	.40	.94	.36	.10	.07
12	1.0	2.5	e.40	.67	e2.5	.88	19	.41	.86	.28	.08	.08
13	.89	2.1	e.40	.63	2.0	1.3	16	.38	.68	.21	.07	.10
14	.82	2.6	e.43	.61	2.4	1.5	11	.35	.57	.19	.07	.25
15	.76	2.6	.44	.64	3.1	1.4	8.0	.33	.49	.18	.05	.13
16	.81	2.4	.89	.65	2.6	1.5	6.3	.30	1.3	.18	.05	.09
17	.87	2.2	28	.65	e2.4	1.6	5.1	.29	3.7	.19	.25	.09
18	5.3	2.1	13	.64	e2.1	1.7	4.2	.30	1.6	.16	.08	.08
19	4.7	1.9	8.5	.64	e1.9	1.6	3.5	.27	1.1	.14	.05	.07
20	3.5	1.8	6.3	.64	e1.8	1.8	2.9	.25	.92	.11	.05	.22
21	3.0	1.7	4.8	e.62	e1.7	2.4	2.7	.23	.90	.10	.05	.17
22	2.6	1.5	3.9	e.60	e1.7	3.9	2.4	.58	.87	.09	.04	.13
23	2.3	1.3	3.1	e.58	e1.5	4.0	2.1	.68	1.3	.09	.05	.11
24	2.1	e1.0	2.7	.57	1.4	3.9	1.9	.50	1.1	.10	.04	.23
25	1.9	.91	2.2	.54	1.6	3.4	1.7	.34	.81	.11	.04	.98
26	1.7	1.3	1.9	.50	1.9	3.1	1.5	.37	.64	.49	.04	.30
27	1.6	1.5	1.8	e.50	1.6	e2.8	1.4	.36	.54	.20	.05	.18
28	1.5	1.4	1.6	e.50	1.5	2.6	1.2	.35	.48	.14	.08	.18
29	1.3	1.3	1.4	.49	---	2.4	1.1	.32	.45	.11	.07	.17
30	1.2	1.3	1.3	.95	---	12	1.0	.28	.58	.09	.06	.16
31	1.1	---	e1.2	1.4	---	9.3	---	.24	---	.07	.07	---
TOTAL	50.79	45.97	92.26	22.67	49.4	75.74	226.0	13.99	38.21	7.81	2.33	4.55
MEAN	1.64	1.53	2.98	.73	1.76	2.44	7.53	.45	1.27	.25	.075	.15
MAX	5.3	3.3	28	1.4	3.1	12	27	.95	3.9	.62	.25	.98
MIN	.19	.61	.40	.49	1.0	.88	1.0	.23	.24	.07	.04	.05
CFSM	1.30	1.22	2.36	.58	1.40	1.94	5.98	.36	1.01	.20	.06	.12
IN.	1.50	1.36	2.72	.67	1.46	2.24	6.67	.41	1.13	.23	.07	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	1998	1999	2000	2001
MEAN	.75	1.05	1.77	3.73
MAX	1.64	1.62	2.98	7.72
(WY)	2001	2000	2001	1998
MIN	.11	.17	.52	.73
(WY)	1998	1999	1999	2001

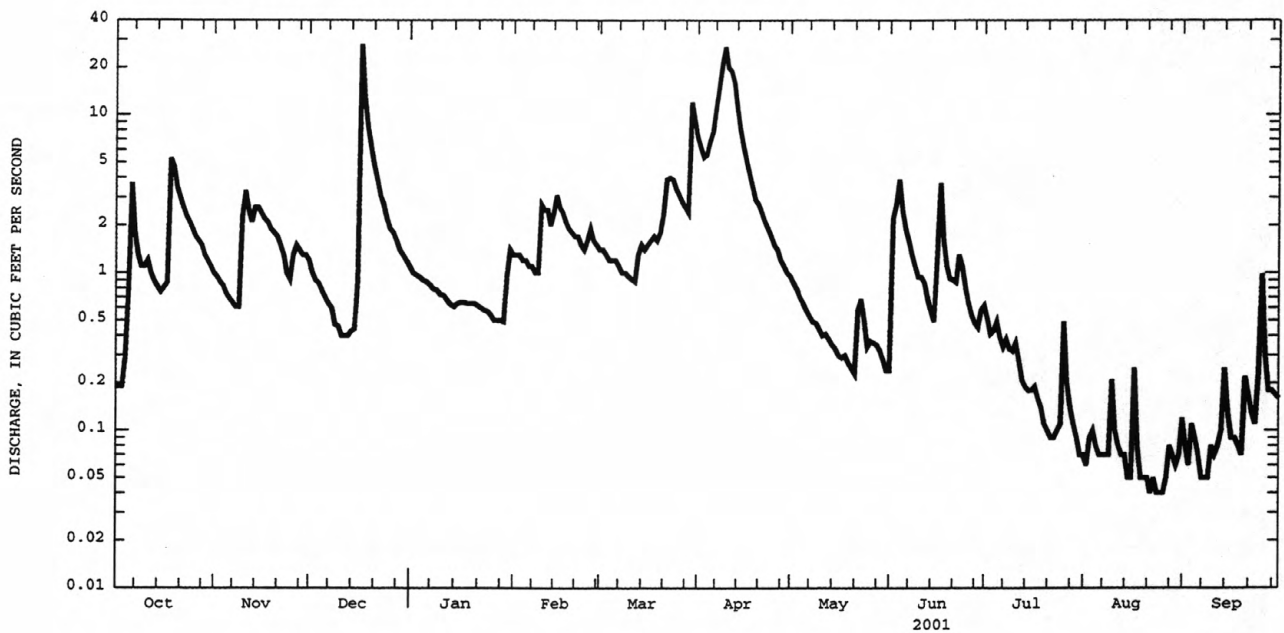
SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1998 - 2001

	2000	2001	1998-2001
ANNUAL TOTAL	1122.59	629.72	
ANNUAL MEAN	3.07	1.73	
HIGHEST ANNUAL MEAN			2.30
LOWEST ANNUAL MEAN			2.96
HIGHEST DAILY MEAN	35	28	1.60
LOWEST DAILY MEAN	.10	.04	2000
ANNUAL SEVEN-DAY MINIMUM	.11	.04	1999
ANNUAL RUNOFF (CFSM)	2.43	1.37	1.83
ANNUAL RUNOFF (INCHES)	33.14	18.59	24.81
10 PERCENT EXCEEDS	7.5	3.4	5.9
50 PERCENT EXCEEDS	1.7	.87	.95
90 PERCENT EXCEEDS	.19	.08	.10

e Estimated

DELAWARE RIVER BASIN

01424108 SHERRUCK BROOK TRIBUTARY NEAR TROUT CREEK, NY--Continued



DELAWARE RIVER BASIN

371

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 mi².

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 sea level (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.--No estimated daily discharges. Records fair except those below 100 ft³/s, which are poor. Subsequent to October 1963, entire flow from 454 mi² 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 ft³/s, Mar. 16, 1986, gage height, 13.07 ft; minimum discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,820 ft³/s, Apr. 11, gage height, 10.99 ft; minimum, 46 ft³/s, Jan. 28, gage height, 4.21 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	241	61	562	55	55	1760	506	161	461	719	1170
2	199	371	61	520	55	54	1520	449	165	282	597	1250
3	200	420	61	485	55	54	1260	309	163	161	990	906
4	203	317	61	444	54	54	1090	215	162	163	908	932
5	205	340	61	325	54	55	1120	196	162	163	838	1170
6	205	381	61	244	53	55	1330	203	162	380	806	943
7	202	414	61	181	53	55	1770	212	163	388	703	1400
8	202	135	62	137	53	55	2730	220	163	184	809	1360
9	202	73	62	112	54	55	4190	227	162	248	661	1030
10	202	63	61	90	55	55	6580	231	161	296	1050	1030
11	202	60	62	64	53	55	7620	242	162	246	1050	1030
12	231	59	63	54	53	56	6750	112	162	166	855	926
13	351	59	63	53	54	57	6340	113	253	453	790	834
14	339	61	61	53	56	57	5770	192	330	589	834	1170
15	338	61	60	54	57	57	4660	357	435	318	836	1280
16	395	61	60	53	56	58	3690	375	435	300	825	1030
17	188	61	78	54	55	66	2880	462	350	373	1140	1010
18	134	61	301	51	54	92	2330	541	321	408	994	1010
19	69	61	1580	51	53	114	1920	546	396	417	710	1060
20	55	61	2150	51	53	103	1610	588	368	874	867	1030
21	54	60	2080	51	54	89	1390	177	242	890	893	732
22	54	58	1850	51	53	217	1250	80	161	464	922	670
23	68	58	1550	51	53	394	1130	58	162	491	1070	98
24	104	58	1310	51	54	505	1030	55	161	480	1260	56
25	110	58	1130	52	56	536	934	54	215	599	1170	59
26	115	59	947	54	56	543	845	52	339	634	979	52
27	137	59	835	53	56	629	764	52	466	1120	1170	52
28	153	59	774	50	56	689	685	52	585	1110	1270	305
29	152	59	693	56	---	705	610	64	518	801	1270	670
30	161	61	639	55	---	1070	549	154	444	837	1410	678
31	201	---	601	53	---	1720	---	160	---	850	1280	---
TOTAL	5630	3949	17499	4215	1523	8359	76107	7254	8129	15146	29676	24943
MEAN	182	132	564	136	54.4	270	2537	234	271	489	957	831
MAX	395	420	2150	562	57	1720	7620	588	585	1120	1410	1400
MIN	54	58	60	50	53	54	549	52	161	161	597	52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1964	494	1593	1970	26.2	1964
1965	277	1971	1997	21.5	1966
1966	335	2644	1997	9.10	1966
1967	313	1910	1978	10.3	1967
1968	404	2309	1976	9.89	1967
1969	811	2879	1986	11.1	1989
1970	1265	4389	1993	19.7	1985
1971	720	1883	1996	25.2	1966
1972	519	1593	1968	72.7	1965
1973	628	1646	1971	63.9	1965
1974	626	1675	1968	92.3	1985
1975	544	1606	1972	34.0	1964

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

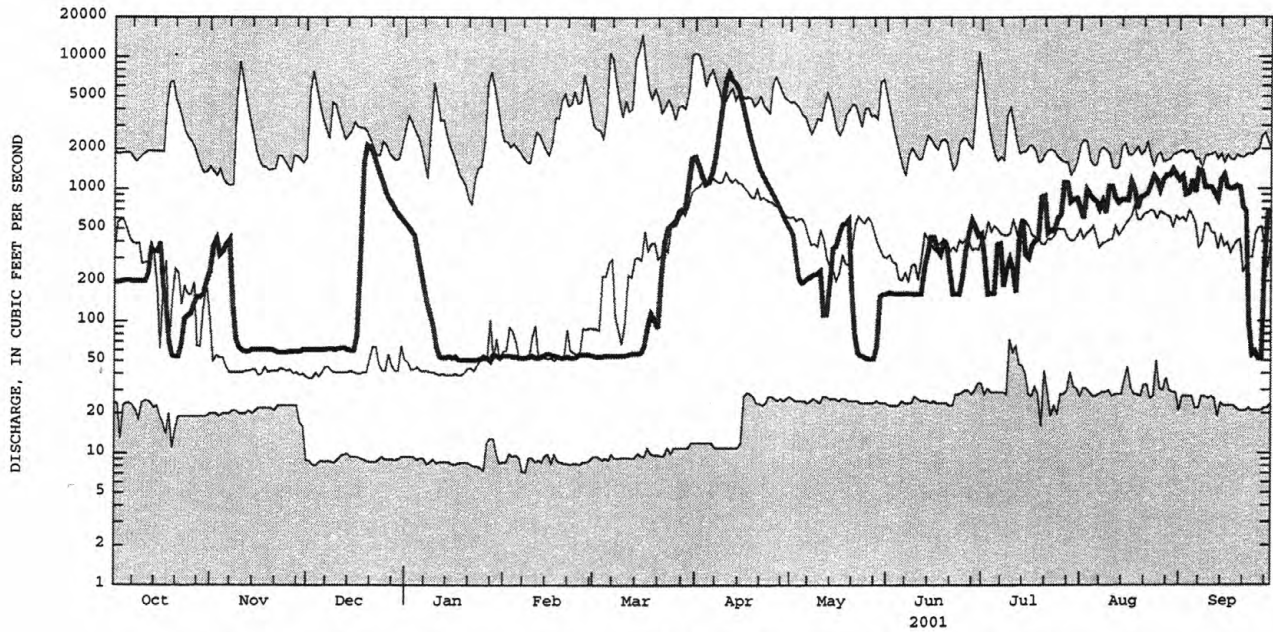
FOR 2001 WATER YEAR

WATER YEARS 1964 - 2001

ANNUAL TOTAL	264953	202430		
ANNUAL MEAN	724	555		
HIGHEST ANNUAL MEAN			578	
LOWEST ANNUAL MEAN			1049	1997
HIGHEST DAILY MEAN	4350	7620	87.3	1965
LOWEST DAILY MEAN	51	50	14800	Mar 16 1986
ANNUAL SEVEN-DAY MINIMUM	52	51	7.2	Feb 8 1966
10 PERCENT EXCEEDS	2160	1200	8.1	Jan 20 1966
50 PERCENT EXCEEDS	208	215		
90 PERCENT EXCEEDS	53	54	23	

DELAWARE RIVER BASIN

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963 to current year.

CHEMICAL DATA: 1959-60 (a) unpublished, 1969 (a), 1970 (a) unpublished, 1971, 1973 (b), 1974 (d), 1975 (b).

MINOR ELEMENTS DATA: 1971 (b).

NUTRIENT DATA: 1970 (a) unpublished, 1971, 1973 (b), 1974 (d), 1975 (b).

BIOLOGICAL DATA:

Bacteria--1973 (b), 1974 (d), 1975 (b).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1962 to current year.

INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. Prior to March 1993, water-temperature recorder since October 1975, provided one-hour-interval readings. Prior to October 1975, water-temperature recorder provided continuous recordings.

REMARKS.--Water temperature is affected by release of water from upstream reservoir.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum (water years 1963-78, 1980-82, 1984-86, 1988, 1990-92, 1994-95, 1997, 1999-2001), 30.5°C, July 2, 1963; minimum (water years 1963-95, 1998-2001), 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, 17.5°C, May 6, 9, 10; minimum, 0.5°C on several days during winter period..

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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

DELAWARE RIVER BASIN

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	8.5	4.5	6.0	7.5	5.5	6.5	8.0	6.0	7.0	9.0	8.0	8.5
2	8.5	5.5	6.5	9.0	5.5	7.0	8.5	6.0	7.0	9.0	7.5	8.5
3	8.0	5.5	6.5	9.5	5.5	7.0	7.5	6.5	7.0	10.0	8.0	8.5
4	7.0	5.5	6.0	10.5	5.5	7.5	8.0	6.5	7.0	9.0	8.0	8.5
5	9.0	5.5	7.0	8.5	6.0	7.0	8.0	6.5	7.0	9.5	8.5	9.0
6	10.0	5.5	7.5	7.5	5.5	6.5	8.5	6.5	7.0	10.5	8.0	9.0
7	10.0	5.5	7.5	9.0	5.5	7.0	8.5	6.5	7.5	10.5	8.5	9.5
8	10.0	5.5	7.5	7.5	6.0	7.0	8.0	6.5	7.5	10.5	9.0	10.0
9	10.0	5.5	7.0	9.5	6.0	7.0	8.5	6.5	7.5	11.5	9.5	10.0
10	10.5	5.5	7.5	9.0	6.0	7.0	7.5	6.5	7.0	10.5	9.5	10.0
11	8.0	5.5	6.5	9.5	6.0	7.5	8.5	6.5	7.0	11.0	9.5	10.0
12	10.5	5.5	7.5	9.0	6.0	7.5	7.5	6.5	7.0	12.0	9.5	10.5
13	10.5	5.5	7.0	7.5	5.5	6.5	8.0	6.5	7.0	11.5	10.0	10.5
14	8.5	5.5	7.0	6.5	6.0	6.0	8.0	6.5	7.0	11.5	10.0	11.0
15	9.5	5.5	7.0	8.5	6.0	7.0	8.5	6.5	7.5	12.5	10.5	11.0
16	9.0	5.5	6.5	9.0	6.0	7.0	8.5	6.5	7.5	12.5	10.5	11.5
17	8.5	6.0	6.5	7.0	6.0	6.5	8.0	7.0	7.5	12.5	11.0	11.5
18	9.0	5.5	7.0	9.5	6.0	7.0	7.5	7.0	7.0	13.0	11.5	12.0
19	9.5	5.5	7.0	9.0	6.0	7.0	9.0	7.0	7.5	13.5	12.0	12.5
20	8.0	5.5	6.5	8.0	5.5	6.5	8.5	7.0	7.5	13.0	12.0	12.5
21	8.0	6.0	7.0	7.5	6.0	6.5	7.5	7.0	7.0	14.5	12.5	13.0
22	10.0	6.5	8.0	8.5	6.0	7.0	8.5	7.0	7.5	13.5	12.0	13.0
23	7.5	6.0	7.0	8.0	6.0	7.0	7.5	6.5	7.0	17.0	12.5	14.0
24	10.0	6.0	7.5	9.0	6.0	7.0	8.5	7.0	7.5	14.5	11.5	13.0
25	9.0	6.0	7.0	8.5	6.5	7.0	9.0	7.0	7.5	15.0	11.5	13.5
26	8.5	6.0	7.0	7.5	6.0	7.0	9.0	7.0	8.0	14.0	10.0	11.5
27	8.0	5.5	6.5	8.0	6.0	6.5	8.0	7.5	7.5	13.5	11.0	12.0
28	7.5	6.0	6.5	8.0	6.0	7.0	8.5	7.0	7.5	13.0	11.0	12.0
29	8.0	6.0	6.5	8.5	6.0	7.0	8.5	7.5	8.0	14.0	12.5	13.0
30	8.0	6.0	6.5	8.5	6.0	7.0	8.5	7.5	8.0	14.5	12.5	13.0
31	---	---	---	8.5	6.0	7.0	9.0	8.0	8.5	---	---	---
MONTH	10.5	4.5	7.0	10.5	5.5	7.0	9.0	6.0	7.5	17.0	7.5	11.0

DELAWARE RIVER BASIN

375

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 mi².

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 sea level. 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 mi² 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 ft³/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 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,100 ft³/s, Apr. 10, gage height, 9.63 ft; minimum recorded discharge, 61 ft³/s, Sept. 24, gage height, 1.36 ft, but may have been less during periods of estimated record.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	197	257	139	675	240	199	2620	573	178	541	694	1100
2	196	374	127	637	173	195	2180	523	326	395	576	1150
3	197	434	e120	587	e150	177	1820	387	316	208	874	884
4	207	359	e130	553	e200	162	1770	277	316	202	870	866
5	230	356	e150	468	e280	201	2000	243	268	210	788	1060
6	574	392	e140	352	e300	142	2290	240	245	363	754	897
7	372	424	e130	274	e210	201	3010	245	225	412	673	1230
8	310	208	e130	229	e160	149	4270	249	212	257	757	1280
9	283	105	e130	196	e190	146	5710	251	203	267	613	996
10	275	166	e120	e180	374	138	8380	254	196	337	938	929
11	282	315	e150	e170	307	133	8830	257	197	297	976	943
12	289	236	e210	e160	e240	142	7840	178	202	189	818	864
13	391	207	e240	e150	e260	171	7240	123	250	402	735	784
14	398	221	e300	e140	271	221	6500	195	333	569	761	1050
15	387	236	e330	e130	418	199	5290	343	442	376	765	1210
16	436	203	314	e130	326	215	4170	397	486	313	754	979
17	278	189	3000	120	284	255	3320	444	735	374	1040	941
18	688	175	2030	115	250	290	2710	557	437	365	935	925
19	499	164	2280	110	e230	301	2220	544	483	461	694	971
20	338	157	2640	107	242	332	1870	578	451	752	770	972
21	274	151	2430	e100	267	408	1640	279	318	866	805	838
22	232	139	2130	e100	e240	863	1420	118	215	513	835	586
23	205	135	1740	e110	e240	1050	1250	103	251	482	950	189
24	218	130	1480	e110	e230	1130	1120	97	274	458	1120	79
25	216	e130	1260	e100	247	1020	1020	81	259	556	1070	389
26	201	144	1050	e120	265	916	914	78	371	642	909	172
27	194	158	956	e110	232	921	830	81	474	1020	1050	110
28	213	146	872	e100	203	935	752	78	610	1040	1140	227
29	200	140	783	e100	---	923	676	74	515	794	1160	662
30	197	144	738	e170	---	2770	617	150	505	779	1280	673
31	225	---	709	279	---	3100	---	177	---	803	1200	---
TOTAL	9202	6595	26958	6882	7029	18005	94279	8174	10293	15243	27304	23956
MEAN	297	220	870	222	251	581	3143	264	343	492	881	799
MAX	688	434	3000	675	418	3100	8830	578	735	1040	1280	1280
MIN	194	105	120	100	150	133	617	74	178	189	576	79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

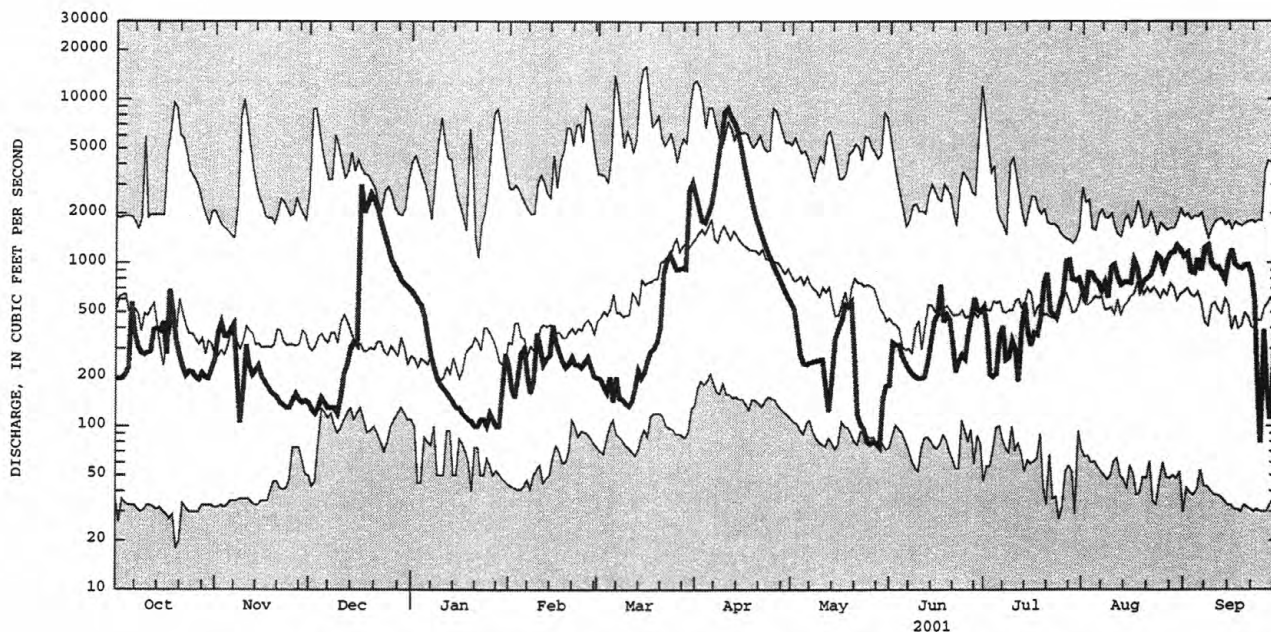
MEAN	633	535	616	555	682	1266	1739	985	646	694	672	616
MAX	2123	2346	3164	2494	3107	3617	5167	2322	1899	1456	1698	1604
(WY)	1976	1997	1997	1978	1976	1986	1993	1996	1968	1971	1968	1972
MIN	33.2	41.8	172	127	94.2	158	194	122	132	76.2	107	45.4
(WY)	1964	1965	1982	1970	1989	1981	1985	1985	1965	1965	1985	1964

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	367863		253920		803	
ANNUAL MEAN	1005		696		1411	
HIGHEST ANNUAL MEAN					204	
LOWEST ANNUAL MEAN					15900	
HIGHEST DAILY MEAN	5940	May 24	8830	Apr 11	18	Mar 16 1986
LOWEST DAILY MEAN	105	Nov 9	74	May 29	26	Oct 20 1963
ANNUAL SEVEN-DAY MINIMUM	132	Dec 2	85	May 23	121	Oct 15 1963
10 PERCENT EXCEEDS	2730		1240		480	
50 PERCENT EXCEEDS	340		326		121	
90 PERCENT EXCEEDS	173		132			

e Estimated

DELAWARE RIVER BASIN

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1968 to current year.

CHEMICAL DATA: 1958-59 (d), 1970 (b), 1971-74 (d), 1975 (c).

MINOR ELEMENTS DATA: 1971-74 (a).

ORGANIC DATA: OC--1974 (a), 1975 (c).

NUTRIENT DATA: 1971-74 (d), 1975 (c).

BIOLOGICAL DATA:

Bacteria--1971, 1973 (c); 1974 (d); 1975 (c).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1967 to current year (no winter record for water years 1969-77).

INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. Prior to May 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. Interruptions of record were due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum (water years 1968-77, 1979-83, 1985, 1988-96, 1998-2001), 30.5°C, July 22, 23, 1972, June 16, 1981; minimum (water years 1968, 1978-2001), 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 21.5°C, May 11; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	14.0	8.5	11.0	9.0	5.0	7.0	3.5	1.5	2.5	3.0	1.0	1.5
2	14.0	9.0	11.5	9.0	5.0	7.0	2.0	.0	1.0	1.5	.0	.5
3	14.0	9.5	11.5	9.5	5.5	7.5	---	.0	---	2.5	.5	1.0
4	11.5	8.5	9.5	9.0	7.0	8.0	---	---	---	2.0	.5	1.0
5	9.0	8.0	8.5	8.0	6.0	7.0	---	---	---	1.0	.0	.0
6	11.5	9.0	10.0	8.5	5.0	6.5	---	---	---	2.0	.5	1.0
7	10.0	8.5	9.5	8.5	5.0	7.0	---	---	---	1.5	.5	1.0
8	9.0	6.5	8.0	9.5	5.5	7.5	.0	---	---	2.0	.5	1.5
9	7.5	5.5	6.5	9.5	7.5	8.5	.0	.0	.0	1.0	.0	.5
10	7.0	5.5	6.5	10.0	9.0	9.5	.0	.0	.0	.0	.0	.0
11	11.0	6.0	8.0	9.0	7.0	8.5	.0	.0	.0	.0	.0	.0
12	12.0	6.5	9.0	7.0	6.5	7.0	.0	.0	.0	.5	.0	.0
13	11.5	6.0	9.0	7.0	6.0	6.5	.0	.0	.0	.0	.0	.0
14	12.0	7.0	9.5	7.5	6.0	7.0	.0	.0	.0	.5	.0	.0
15	11.0	7.5	9.5	6.0	4.5	5.5	.5	.0	.0	.0	.0	.0
16	10.0	8.5	8.5	6.5	4.5	5.5	.5	.0	.0	1.5	.0	.5
17	8.5	8.0	8.5	5.5	4.0	4.5	2.5	.0	1.5	2.0	.0	1.5
18	10.5	8.5	9.5	5.0	2.5	4.0	2.0	1.0	1.5	1.0	.0	.5
19	12.0	9.0	10.0	5.0	2.5	3.5	4.0	2.0	3.0	1.5	1.0	1.0
20	12.0	7.5	9.5	3.0	1.0	2.0	4.5	3.5	4.0	1.5	.5	1.0
21	13.0	8.5	10.5	3.5	1.5	2.0	4.5	3.5	4.0	.5	.0	.0
22	12.5	8.0	10.0	2.0	.0	1.0	4.5	3.0	4.0	.0	.0	.0
23	11.0	6.0	8.5	.5	.0	.0	4.0	3.0	3.0	.0	.0	.0
24	11.0	7.5	9.5	.5	.0	.0	4.0	3.0	3.0	.5	.0	.0
25	14.0	10.0	11.5	1.0	.0	.0	3.0	1.5	2.5	.5	.0	.0
26	14.0	10.5	12.0	4.0	.0	2.0	3.0	1.5	2.5	.5	.0	.0
27	13.0	9.5	11.0	4.5	4.0	4.5	3.0	2.0	2.5	.0	.0	.0
28	11.5	7.0	9.5	5.0	4.5	4.5	2.0	1.5	2.0	.5	.0	.0
29	7.0	4.0	5.5	5.0	4.0	4.5	2.5	1.0	1.5	.0	.0	.0
30	7.5	3.5	5.5	4.0	3.0	3.5	2.0	1.0	1.5	.5	.0	.0
31	9.0	4.5	6.5	---	---	---	2.0	1.0	1.5	.5	.0	.0
MONTH	14.0	3.5	9.0	10.0	.0	5.0	---	---	---	3.0	.0	.5

DELAWARE RIVER BASIN

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.5	.5	1.0	.5	.0	.5	3.0	2.5	2.5	15.5	7.5	11.5
2	2.5	.0	1.0	2.0	.0	1.0	3.0	2.5	2.5	17.0	9.5	13.0
3	.5	.0	.0	3.0	1.0	2.0	4.5	2.5	3.0	19.5	11.5	15.5
4	.5	.0	.0	1.5	.0	.5	6.0	1.5	3.5	19.5	12.5	16.5
5	.0	.0	.0	.0	.0	.0	6.5	1.5	3.5	19.0	13.5	16.0
6	.5	.0	.0	---	.0	---	3.5	2.5	3.0	20.0	11.5	15.5
7	1.0	.0	.5	3.0	.0	---	4.0	3.0	3.5	19.5	12.0	15.5
8	.0	.0	.0	4.0	1.0	2.5	3.5	2.5	3.0	20.0	11.5	15.5
9	2.0	.0	1.0	2.5	1.0	2.0	5.0	3.0	4.0	20.0	14.0	17.0
10	2.5	.0	1.5	3.5	.5	1.5	4.5	3.5	4.0	21.0	13.5	17.5
11	1.0	.0	.0	1.5	.0	.5	4.0	3.5	3.5	21.5	14.0	17.5
12	1.0	.0	.0	6.5	.0	2.5	4.5	3.5	4.0	16.5	12.5	14.5
13	3.0	.0	1.0	3.5	2.0	2.5	5.0	3.5	4.0	18.5	10.5	14.5
14	2.0	.0	1.0	4.5	1.5	3.0	5.0	3.5	4.0	15.0	9.0	12.0
15	2.5	1.0	1.5	5.5	1.5	3.5	5.0	3.5	4.0	14.0	6.5	10.5
16	1.0	.0	.5	5.5	1.5	4.0	5.5	4.0	4.5	14.5	5.5	10.0
17	2.0	.0	1.0	4.5	2.5	3.5	4.5	4.0	4.0	10.5	6.5	8.0
18	1.5	.0	.5	5.0	1.0	3.0	6.0	3.5	4.5	7.5	6.0	6.5
19	2.0	.0	.5	7.0	.0	3.5	6.5	3.0	4.5	12.5	6.0	9.0
20	5.0	.5	2.5	8.0	1.0	4.0	6.0	3.5	4.5	10.5	5.5	8.0
21	3.5	.0	1.5	4.0	2.0	3.0	6.5	4.5	5.5	10.5	6.5	8.5
22	1.5	.0	.0	3.5	1.5	2.0	---	---	---	13.0	10.5	11.5
23	1.0	.0	.0	6.0	1.5	3.0	---	---	---	14.0	12.0	13.0
24	1.5	.0	.5	3.0	1.5	2.0	8.5	---	---	20.0	12.5	15.5
25	.5	.0	.0	3.5	.5	2.0	9.0	4.5	6.5	21.0	14.5	17.0
26	1.0	.0	.5	3.0	.5	1.5	10.5	4.5	7.5	16.0	14.5	15.0
27	3.0	.0	1.0	3.0	.0	1.5	11.5	6.0	8.5	19.0	13.5	16.0
28	2.5	.0	.5	4.0	1.0	2.5	12.0	7.0	9.0	18.5	14.5	16.5
29	---	---	---	4.0	1.0	2.5	12.5	5.5	8.5	18.5	13.5	15.5
30	---	---	---	2.5	1.5	2.0	14.5	7.0	10.0	16.5	11.5	13.5
31	---	---	---	2.5	2.0	2.5	---	---	---	16.5	8.0	12.0
MONTH	5.0	.0	.5	---	.0	---	---	---	---	21.5	5.5	13.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	13.0	8.5	11.0	12.5	8.5	10.0	13.5	6.5	9.0	12.0	8.0	9.5
2	14.0	9.0	11.5	16.0	7.0	11.0	14.5	6.5	10.0	12.0	8.0	9.5
3	14.5	10.5	12.0	15.0	10.0	13.0	10.5	7.0	8.5	13.5	8.0	10.0
4	13.0	10.5	12.0	17.5	11.5	14.0	12.0	7.0	9.0	11.0	8.0	9.0
5	16.5	9.5	13.0	17.5	12.5	14.5	13.0	7.0	9.5	12.5	8.0	10.0
6	18.0	11.5	14.5	14.5	9.5	11.5	13.0	6.5	9.0	13.5	8.0	10.0
7	19.0	10.5	14.5	15.5	7.0	11.0	13.5	7.0	9.5	12.5	8.0	10.0
8	19.0	10.5	15.0	13.5	8.5	11.0	13.0	7.0	9.5	13.0	9.0	10.5
9	18.5	10.5	14.5	20.0	11.5	15.0	15.0	7.0	10.0	14.0	9.5	11.0
10	19.0	10.5	15.0	17.0	9.5	13.0	10.0	7.0	8.5	12.0	9.5	10.5
11	16.0	11.5	13.0	15.5	9.5	12.5	11.0	7.0	8.5	14.0	10.0	11.0
12	20.0	11.0	15.0	16.5	11.0	13.5	9.0	7.0	8.0	14.5	9.5	11.5
13	20.0	13.0	16.5	13.5	8.5	10.5	11.5	7.0	9.0	14.0	9.5	11.5
14	18.0	9.5	13.5	10.0	6.5	8.5	12.0	7.0	9.0	13.0	10.5	11.5
15	16.5	8.5	12.0	15.0	7.0	10.5	13.0	6.5	9.0	14.0	10.0	11.5
16	14.5	8.0	11.0	16.5	8.0	12.0	12.0	6.5	9.0	15.0	10.5	12.0
17	16.0	12.0	13.5	13.5	8.5	10.0	12.0	7.5	9.0	15.0	10.5	12.5
18	18.5	9.5	14.0	19.0	8.0	12.0	10.5	7.0	8.5	15.5	10.5	12.5
19	17.5	8.5	12.5	15.0	7.0	10.5	13.5	7.0	10.0	15.0	11.5	13.0
20	14.5	8.5	11.5	12.5	7.0	9.5	12.0	7.5	9.5	13.5	12.5	13.0
21	13.5	9.5	11.5	12.0	6.0	8.5	11.0	7.0	8.5	17.0	13.0	14.5
22	17.0	13.0	14.5	15.5	6.5	10.0	12.5	7.0	9.0	16.0	13.0	14.0
23	16.0	13.5	14.5	15.5	7.5	10.5	8.5	7.0	7.5	20.0	12.5	15.5
24	18.5	12.5	15.0	17.0	8.0	11.5	11.5	7.5	9.0	17.0	14.5	16.0
25	21.0	12.5	16.0	15.5	7.5	10.5	11.5	7.0	9.0	17.5	15.0	16.5
26	17.0	10.0	13.5	13.0	7.5	9.5	12.0	7.0	9.0	15.0	12.0	13.5
27	15.5	8.5	11.5	11.5	6.0	8.5	10.5	8.0	9.0	16.0	11.5	13.0
28	13.0	7.0	10.0	11.0	6.0	8.0	10.5	7.5	8.5	15.5	12.0	13.0
29	15.0	8.0	10.5	12.0	6.5	9.0	11.0	7.5	9.0	15.5	12.0	13.5
30	15.0	7.5	10.5	12.5	7.0	9.0	10.5	7.5	8.5	15.5	11.5	13.0
31	---	---	---	12.5	6.5	9.0	11.5	8.0	9.5	---	---	---
MONTH	21.0	7.0	13.0	20.0	6.0	11.0	15.0	6.5	9.0	20.0	8.0	12.0

DELAWARE RIVER BASIN

379

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 mi².

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, 24.5°C, June 13; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	15.0	10.0	12.5	8.5	5.0	6.5	2.5	1.0	2.0	.5	.0	.0
2	16.0	11.5	13.5	8.0	5.0	6.5	2.0	.0	.5	.0	.0	.0
3	15.5	11.5	13.5	8.5	6.0	7.0	.0	.0	.0	.0	.0	.0
4	13.0	11.0	11.5	9.0	7.5	8.5	.0	.0	.0	.0	.0	.0
5	11.0	10.0	10.5	8.0	6.0	7.0	.0	.0	.0	.0	.0	.0
6	11.5	10.5	11.0	7.0	4.5	6.0	.0	.0	.0	.0	.0	.0
7	11.0	9.0	10.0	7.0	5.0	6.0	.0	.0	.0	.0	.0	.0
8	9.5	7.5	8.5	8.0	5.5	7.0	.0	.0	.0	.0	.0	.0
9	7.5	6.5	7.0	9.0	6.5	8.0	.0	.0	.0	.0	.0	.0
10	7.0	5.5	6.5	9.5	8.5	9.0	.0	.0	.0	.0	.0	.0
11	10.5	6.0	8.0	8.5	7.0	8.0	.0	.0	.0	.0	.0	.0
12	11.5	7.5	9.5	7.5	6.5	7.0	.0	.0	.0	.0	.0	.0
13	11.0	7.5	9.5	7.0	6.0	6.5	.0	.0	.0	.0	.0	.0
14	12.0	8.5	10.5	7.5	5.5	7.0	.0	.0	.0	.0	.0	.0
15	12.0	9.5	11.0	6.0	5.0	5.5	.0	.0	.0	.0	.0	.0
16	11.0	9.0	10.0	6.0	4.5	5.5	.0	.0	.0	.0	.0	.0
17	9.0	8.5	9.0	5.5	4.0	4.5	1.5	.0	.5	.0	.0	.0
18	10.5	9.0	10.0	5.5	3.0	4.0	1.5	.5	1.0	.0	.0	.0
19	11.5	9.0	10.0	4.5	2.0	3.5	2.0	.0	1.0	.5	.0	.0
20	11.0	8.0	9.5	3.0	1.0	2.0	2.5	1.5	2.0	.5	.0	.0
21	12.5	8.5	10.5	3.0	1.5	2.0	2.5	1.5	2.0	.5	.0	.0
22	11.5	8.5	9.5	2.5	.0	1.0	2.5	1.0	2.0	.0	.0	.0
23	10.5	6.5	8.5	1.5	.0	.0	2.0	.5	1.5	.0	.0	.0
24	11.0	7.5	9.5	.5	.0	.0	1.5	.5	1.0	.0	.0	.0
25	13.5	10.5	11.5	.0	.0	.0	1.0	.0	.5	.0	.0	.0
26	14.0	11.0	12.0	3.0	.0	2.0	1.0	.0	.5	.0	.0	.0
27	13.0	9.5	11.5	3.5	2.5	3.0	1.5	.5	1.0	.0	.0	.0
28	11.5	7.5	10.5	4.0	3.5	4.0	.5	.0	.0	.5	.0	.0
29	7.5	4.5	6.0	4.0	3.0	3.5	.5	.0	.0	.0	.0	.0
30	7.0	4.0	5.5	3.5	2.0	3.0	.5	.0	.0	.0	.0	.0
31	8.0	4.5	6.0	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	16.0	4.0	10.0	9.5	.0	5.0	2.5	.0	.5	.5	.0	.0

DELAWARE RIVER BASIN

01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.0	.0	.0	.5	.0	.0	3.5	2.5	3.0	15.5	10.0	13.0
2	.5	.0	.0	.5	.0	.0	3.5	2.5	3.0	16.0	12.0	14.0
3	.0	.0	.0	1.5	.0	.5	5.5	2.5	4.0	19.0	14.0	16.5
4	.0	.0	.0	.5	.0	.0	6.5	2.0	4.0	20.0	15.0	17.5
5	.0	.0	.0	.0	.0	.0	6.5	2.0	4.5	19.0	15.0	17.0
6	.0	.0	.0	.5	.0	.0	5.0	3.0	3.5	18.5	12.0	15.5
7	.0	.0	.0	1.5	.0	.5	4.5	3.5	4.0	18.5	12.5	15.5
8	.0	.0	.0	1.5	.0	.5	4.0	3.0	3.5	19.5	12.0	15.5
9	.5	.0	.0	1.5	.0	.5	6.0	3.5	4.5	20.0	14.5	17.0
10	.5	.0	.0	2.5	.0	1.0	6.0	4.0	5.0	20.5	14.5	17.5
11	.0	.0	.0	.5	.0	.0	4.5	4.0	4.5	22.0	15.5	19.0
12	.0	.0	.0	3.0	.0	1.0	5.0	4.0	4.5	20.0	14.5	17.5
13	.5	.0	.0	2.0	.5	1.5	6.5	4.5	5.0	19.0	11.5	15.0
14	.0	.0	.0	3.5	1.0	2.0	6.0	4.0	5.0	17.5	11.5	14.5
15	.5	.0	.0	4.0	1.0	2.5	6.0	4.0	5.0	16.0	11.0	13.5
16	.5	.0	.0	4.5	1.0	3.0	6.5	4.5	5.0	15.5	10.0	13.0
17	1.0	.0	.5	3.5	2.0	2.5	5.5	4.5	5.0	13.5	10.0	11.5
18	.5	.0	.0	4.5	1.0	2.5	7.0	3.5	5.0	10.0	8.0	8.5
19	.5	.0	.0	5.5	.5	3.0	7.5	3.0	5.0	14.5	8.0	11.0
20	1.5	.0	.5	6.0	1.5	3.5	7.0	3.5	5.5	13.0	8.5	11.0
21	1.0	.0	.5	3.5	1.0	2.5	8.0	5.0	6.5	11.0	9.0	10.5
22	.0	.0	.0	3.0	1.0	2.0	12.0	6.0	9.0	13.5	11.0	12.5
23	.0	.0	.0	5.0	1.5	3.0	13.0	6.5	10.0	14.5	12.5	13.0
24	.5	.0	.0	3.0	1.5	2.5	12.0	8.0	10.0	19.0	12.0	14.5
25	.0	.0	.0	3.0	.5	2.0	9.0	5.5	7.5	18.0	13.5	15.0
26	.5	.0	.0	2.5	1.0	1.5	11.5	5.0	8.5	15.0	13.0	14.0
27	1.5	.0	.5	2.0	.5	1.0	11.5	7.0	9.5	17.5	12.5	14.5
28	1.0	.0	.0	4.5	1.0	2.5	12.5	7.0	10.0	16.0	12.5	14.0
29	---	---	---	3.5	1.5	2.5	12.5	6.5	9.5	16.5	12.0	14.0
30	---	---	---	3.0	2.0	2.0	14.0	8.0	11.0	16.5	10.5	13.0
31	---	---	---	3.0	2.0	2.5	---	---	---	17.0	10.0	13.0
MONTH	1.5	.0	.0	6.0	.0	1.5	14.0	2.0	6.0	22.0	8.0	14.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	14.5	10.0	12.5	17.5	13.5	15.5	14.5	8.5	12.0	13.5	9.5	11.5
2	14.0	10.5	12.5	16.5	10.5	13.5	16.0	9.5	13.0	13.0	8.5	10.5
3	14.0	12.0	12.5	18.0	12.5	15.5	15.0	9.5	11.5	14.0	8.0	11.0
4	13.5	12.0	12.5	19.0	14.5	17.0	14.0	8.0	11.0	13.0	9.5	11.0
5	16.0	11.0	13.0	21.0	16.5	18.5	14.0	9.0	12.0	14.0	9.0	11.5
6	17.5	13.0	15.0	18.0	14.0	16.0	14.5	8.5	12.0	13.5	9.0	11.0
7	18.5	12.0	15.0	16.5	11.5	14.0	15.0	9.5	12.5	13.5	9.0	11.5
8	19.5	12.5	15.5	17.5	13.5	15.0	15.5	10.0	13.0	14.5	9.5	12.0
9	19.0	12.5	16.0	22.0	15.0	18.5	17.5	10.0	13.5	15.0	10.0	12.5
10	20.0	13.0	16.5	20.5	16.5	19.0	15.0	9.5	---	13.5	11.0	12.0
11	17.0	14.5	15.5	19.0	16.0	17.5	---	---	---	14.5	10.5	12.0
12	21.0	13.5	17.5	19.0	14.5	17.0	---	---	---	14.5	10.0	12.5
13	24.5	17.0	20.5	16.5	13.0	15.0	---	---	---	14.5	10.5	13.0
14	22.0	17.5	20.0	13.0	10.5	11.5	13.5	9.0	---	13.5	11.0	12.5
15	20.0	16.0	18.0	16.0	9.5	13.0	13.5	8.5	11.5	14.0	10.0	12.0
16	18.0	14.0	16.0	19.5	14.0	16.5	13.0	8.5	11.5	15.0	10.5	12.5
17	18.0	14.0	16.0	17.5	12.5	15.0	13.5	10.0	12.0	15.0	11.0	13.0
18	20.0	14.5	17.5	20.0	11.5	15.5	12.0	8.0	10.5	15.5	10.5	13.0
19	19.5	15.0	17.5	18.5	12.0	15.0	14.5	8.5	11.5	15.5	11.5	13.5
20	18.0	15.0	16.5	15.5	12.5	14.0	14.0	10.5	12.5	14.5	13.0	13.5
21	17.0	14.5	16.0	14.0	8.0	11.5	12.5	9.0	11.0	16.5	13.0	14.5
22	19.0	15.0	17.0	17.0	8.5	13.0	13.5	8.0	11.0	17.5	14.5	15.5
23	19.5	17.0	18.0	18.0	12.0	15.0	12.5	8.0	9.0	18.5	13.0	15.5
24	20.5	15.0	17.5	19.0	12.0	15.5	12.5	8.0	10.0	16.5	15.0	16.0
25	22.0	16.0	19.0	18.5	12.0	16.0	12.5	7.5	10.0	17.5	15.0	16.5
26	22.0	17.5	19.5	16.5	10.5	13.0	13.0	8.0	10.5	15.0	12.5	13.5
27	19.5	15.0	17.5	13.0	8.0	11.0	12.5	9.0	10.5	14.5	12.0	13.0
28	17.5	12.5	15.0	12.5	7.0	10.0	11.5	8.5	10.0	15.5	12.0	13.5
29	17.5	11.5	14.5	13.5	7.5	10.5	12.0	8.5	10.0	15.0	12.0	13.5
30	20.0	11.0	15.0	14.5	9.0	12.0	12.0	8.0	10.0	14.5	11.5	13.0
31	---	---	---	14.0	8.0	11.5	13.0	8.5	11.0	---	---	---
MONTH	24.5	10.0	16.0	22.0	7.0	14.5	---	---	---	18.5	8.0	13.0

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 mi².

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. Interruption of record was due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 27.5°C, July 15, 1995; minimum, 0.0°C on many days during winter periods..

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 27.0°C, June 15; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	15.0	12.5	13.5	7.5	5.5	6.5	3.0	1.5	2.5	.0	.0	.0
2	16.5	13.5	14.5	7.5	5.5	6.5	1.5	.0	1.0	.0	.0	.0
3	16.5	14.5	15.0	8.0	6.0	7.0	.5	.0	.0	.0	.0	.0
4	15.0	14.0	14.5	9.0	7.5	8.5	.5	.0	.0	.0	.0	.0
5	14.0	12.5	13.0	8.5	7.0	8.0	.5	.0	.0	.0	.0	.0
6	12.5	11.5	12.0	7.5	5.5	6.5	.0	.0	.0	.0	.0	.0
7	11.5	11.0	11.0	6.5	5.0	6.0	.0	.0	.0	.0	.0	.0
8	11.0	9.0	10.0	7.0	5.5	6.5	.0	.0	.0	.0	.0	.0
9	9.0	8.0	8.5	8.0	7.0	7.5	.0	.0	.0	.0	.0	.0
10	8.0	7.0	7.0	9.0	8.0	8.5	.0	.0	.0	.0	.0	.0
11	9.0	6.5	7.5	9.0	8.0	8.5	.0	.0	.0	.0	.0	.0
12	11.0	8.0	9.5	8.0	7.5	7.5	.5	.0	.0	.0	.0	.0
13	11.5	9.0	10.5	7.5	7.0	7.0	.0	.0	.0	.0	.0	.0
14	12.5	10.5	11.5	7.5	6.5	7.0	.0	.0	.0	.0	.0	.0
15	13.0	11.0	12.0	6.5	5.5	6.0	.0	.0	.0	.0	.0	.0
16	12.5	11.5	12.5	5.5	5.0	5.5	.0	.0	.0	.0	.0	.0
17	11.5	10.5	11.0	5.5	4.0	5.0	2.5	.0	.5	.0	.0	.0
18	11.0	10.0	10.5	4.0	3.5	4.0	2.5	1.0	2.0	.0	.0	.0
19	11.0	10.0	10.5	4.0	3.0	3.5	1.0	.5	1.0	.0	.0	.0
20	11.0	9.0	10.0	3.0	2.0	2.5	1.5	1.0	1.5	.5	.0	.0
21	11.5	9.5	10.5	2.5	1.5	2.0	1.0	.5	1.0	.5	.0	.0
22	11.5	10.0	10.5	1.5	.0	1.0	1.5	.5	1.0	.0	.0	.0
23	10.0	8.5	9.5	1.0	.0	.0	.5	.0	.0	.0	.0	.0
24	10.5	8.5	9.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
25	12.0	10.0	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	13.5	11.5	12.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0
27	13.0	11.5	12.5	2.0	1.0	1.5	.0	.0	.0	.0	.0	.0
28	12.5	9.5	11.5	3.5	2.0	3.0	.0	.0	.0	.0	.0	.0
29	9.5	6.0	7.5	4.0	3.5	3.5	.0	.0	.0	.0	.0	.0
30	6.5	5.0	5.5	4.0	3.0	3.5	.0	.0	.0	.0	.0	.0
31	7.0	5.0	6.0	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	16.5	5.0	10.5	9.0	.0	5.0	3.0	.0	.5	.5	.0	.0

DELAWARE RIVER BASIN

01427301 DELAWARE RIVER NEAR HANKINS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.5	.0	.0	.5	.0	.0	3.0	2.5	2.5	16.5	12.5	14.5
2	.5	.0	.0	.5	.0	.0	3.0	3.0	3.0	18.0	14.5	16.5
3	.0	.0	.0	1.0	.0	.5	4.5	2.5	3.5	19.0	16.0	17.5
4	.0	.0	.0	.0	.0	.0	5.5	3.0	4.5	20.5	17.5	19.0
5	.0	.0	.0	.0	.0	.0	6.0	3.5	5.0	20.0	18.0	19.0
6	.0	.0	.0	1.0	.0	.0	5.0	3.5	4.0	18.5	15.0	17.0
7	.5	.0	.0	1.5	.0	.5	4.5	3.5	4.0	18.0	14.5	16.5
8	.0	.0	.0	1.0	.0	.0	4.5	3.5	3.5	18.5	14.5	16.5
9	.5	.0	.0	.5	.0	.0	6.0	3.5	4.5	19.5	16.0	17.5
10	.5	.0	.0	1.0	.0	.5	6.0	4.5	5.0	20.0	16.5	18.5
11	.0	.0	.0	.0	.0	.0	5.5	4.5	5.0	21.0	17.5	19.5
12	.0	.0	.0	2.5	.0	.5	5.5	4.5	5.0	20.5	18.5	19.5
13	.5	.0	.0	.5	.0	.5	7.0	5.5	6.0	---	---	---
14	.0	.0	.0	1.0	.0	.5	7.0	5.5	6.0	---	---	---
15	.5	.0	.0	1.0	.0	.5	6.5	5.0	6.0	---	---	---
16	.0	.0	.0	1.5	.0	.5	7.0	6.0	6.5	18.0	14.5	16.5
17	.5	.0	.0	1.0	.0	.5	6.5	5.5	6.0	17.0	14.5	15.5
18	.5	.0	.0	1.5	.0	.5	6.0	4.5	5.5	14.5	13.0	13.5
19	.5	.0	.0	2.5	.0	1.0	6.5	4.0	5.5	16.0	12.5	14.0
20	1.0	.0	.0	3.5	1.0	2.0	6.5	5.0	6.0	16.5	14.5	15.5
21	.5	.0	.0	3.0	2.0	3.0	8.5	6.5	7.5	15.5	14.0	14.5
22	.0	.0	.0	2.0	1.5	2.0	12.0	8.0	9.5	14.0	13.5	14.0
23	.5	.0	.0	4.0	1.5	2.5	13.5	11.5	12.5	14.5	14.0	14.0
24	.5	.0	.0	3.5	2.0	3.0	14.5	12.0	13.5	17.5	14.5	15.5
25	.0	.0	.0	2.5	1.0	2.0	12.0	9.5	10.5	17.5	15.5	16.5
26	.5	.0	.0	2.0	1.0	1.5	11.5	8.5	10.0	16.5	15.0	15.5
27	1.0	.0	.0	1.0	.0	1.0	12.5	9.5	11.0	16.0	14.5	15.5
28	1.0	.0	.0	3.0	1.0	2.0	12.5	9.5	11.0	16.5	15.0	15.5
29	---	---	---	3.0	2.0	2.5	12.5	9.5	11.0	17.0	14.5	15.5
30	---	---	---	2.5	1.5	2.0	14.0	10.0	12.0	16.0	14.0	15.0
31	---	---	---	2.5	1.5	2.0	---	---	---	16.0	12.5	14.5
MONTH	1.0	.0	.0	4.0	.0	1.0	14.5	2.5	7.0	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	15.0	13.0	14.0	24.0	20.5	22.5	21.0	17.0	19.0	17.5	15.5	16.0
2	15.0	12.5	14.0	20.5	18.0	19.0	21.5	18.0	20.0	17.0	14.0	15.5
3	15.0	14.0	14.5	20.0	17.0	18.5	22.0	20.0	21.0	16.5	13.5	15.0
4	14.5	13.5	14.0	21.5	18.5	20.0	20.5	17.5	19.0	16.5	14.5	15.5
5	16.0	13.0	14.5	23.5	20.5	21.5	21.5	18.0	19.5	16.5	13.5	15.0
6	18.0	15.0	16.5	22.0	20.0	21.0	21.5	18.0	20.0	17.0	13.5	15.5
7	19.0	15.5	17.0	22.0	18.5	20.5	22.0	19.0	20.5	17.5	14.0	16.0
8	20.0	16.5	18.0	21.0	19.5	20.0	23.0	20.0	21.5	17.0	14.5	15.5
9	19.5	16.5	18.5	23.5	19.0	21.0	23.5	20.0	22.0	17.5	15.0	16.0
10	20.5	17.0	19.0	25.0	22.0	23.5	23.0	20.5	22.0	17.5	16.0	16.5
11	19.5	18.0	18.5	24.5	22.5	23.5	20.5	16.5	17.5	17.5	14.5	16.0
12	21.0	17.0	19.0	22.5	20.5	21.5	17.0	15.5	16.0	17.5	14.5	16.0
13	24.0	19.5	22.0	21.5	19.0	20.0	17.5	15.5	16.5	17.5	15.0	16.5
14	26.0	22.5	24.5	20.0	18.5	19.5	19.5	16.5	18.0	17.0	15.0	16.0
15	27.0	23.5	25.0	19.5	17.0	18.0	19.5	16.5	18.0	15.5	13.0	14.5
16	25.5	24.0	24.5	22.0	17.5	20.0	19.0	16.5	18.0	16.0	13.0	14.5
17	24.0	20.5	21.5	22.5	21.0	22.0	19.5	17.0	18.5	17.0	14.0	15.5
18	22.5	19.5	21.0	24.0	20.5	22.0	18.0	16.0	17.0	16.5	14.0	15.5
19	24.0	20.0	22.0	24.0	21.5	22.5	18.5	15.5	17.0	17.0	14.5	15.5
20	24.0	21.5	23.0	24.0	21.0	22.5	20.5	17.5	19.0	16.5	15.5	16.0
21	23.0	20.5	22.0	23.0	19.5	21.0	20.0	18.0	19.0	17.5	15.0	16.0
22	20.5	19.5	20.0	21.0	17.0	19.5	19.0	16.0	18.0	19.0	16.5	17.5
23	22.0	20.0	20.5	23.5	19.0	21.5	18.0	15.0	16.5	19.5	18.0	18.5
24	22.5	20.0	21.0	25.0	22.0	23.5	16.0	13.0	14.5	18.0	17.5	17.5
25	23.0	19.5	21.5	26.0	23.0	24.5	17.0	14.0	15.5	18.0	17.0	17.5
26	25.5	21.0	23.0	25.5	21.0	23.5	16.5	14.5	15.5	17.5	15.0	16.0
27	26.0	22.5	24.5	21.0	17.5	19.5	17.5	15.5	16.0	15.0	14.0	14.5
28	25.0	22.5	24.0	19.0	15.5	17.5	16.0	14.0	15.5	15.0	13.5	14.0
29	24.0	21.5	23.0	18.5	16.0	17.0	16.5	14.0	15.0	15.5	13.5	14.5
30	25.0	22.0	23.0	20.0	16.0	18.0	15.0	14.0	14.5	14.5	13.0	14.0
31	---	---	---	21.0	17.0	19.0	16.5	14.0	15.0	---	---	---
MONTH	27.0	12.5	20.0	26.0	15.5	21.0	23.5	13.0	18.0	19.5	13.0	16.0

01427510 DELAWARE RIVER AT CALLICCOON, 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 mi².

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 sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to September 1954, entire flow from 371 mi² of drainage area controlled by Pepacton Reservoir (see Reservoirs in Delaware River Basin), and subsequent to October 1963, entire flow from 454 mi² 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 ft³/s, Jan. 19, 1996, gage-height, 16.31 ft; minimum discharge, 306 ft³/s, Sept. 24, 25, 1997; minimum gage height, 2.20 ft, Sept. 13, 1977, Aug. 23, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46,400 ft³/s, Dec. 18, gage height, 10.99 ft; minimum, 363 ft³/s, Sept. 24, gage height, 2.55 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	754	1020	1330	e1800	e1300	e1200	8450	1440	1070	1200	1000	1490
2	733	1020	1210	e1800	e1200	e1300	6740	1370	2140	1390	876	1390
3	699	1120	1100	e1700	e1200	e1300	5720	1280	3460	1010	860	1350
4	680	1130	1120	e1700	e1200	e1100	5810	1100	3150	748	1190	1070
5	749	1010	e1100	e1600	e1300	e1100	6800	969	2450	730	1080	1200
6	1890	1020	e1000	e1600	e1400	e1200	7910	895	2000	711	1000	1270
7	2230	1030	e940	e1400	e1500	e1300	8880	857	1680	848	954	1120
8	1520	1030	e940	e1400	e1500	e1200	13200	822	1470	867	900	1530
9	1270	778	e960	e1300	e1400	e1100	14300	806	1280	810	938	1370
10	1150	1280	e940	e1300	e1500	e1000	24800	787	1150	815	919	1120
11	1110	2110	e980	e1300	e1600	1080	21400	767	1070	831	1220	1130
12	1070	1760	e1000	e1200	e1500	1140	17300	754	1060	737	1190	1120
13	1030	1470	e1000	e1200	e1400	1430	16100	642	1070	601	1020	1020
14	1110	1520	e900	e1200	e1600	1680	14600	578	1000	838	946	1080
15	1060	1830	e940	e1100	e1700	1510	11200	626	1010	926	982	1460
16	1050	1760	1060	e1100	e1700	1360	10000	764	1090	686	955	1370
17	1120	1580	15700	e1100	e1600	1600	9030	790	2300	655	1090	1170
18	2350	1480	23700	e1100	e1500	1770	7670	900	2420	723	1310	1120
19	3880	1380	9460	e1000	e1400	1710	6210	962	1560	732	1100	1120
20	2740	1300	7480	e1000	e1500	1820	4920	959	1350	744	922	1190
21	2190	1250	5950	e980	e1400	2210	4070	951	1210	1140	1070	1360
22	1870	1190	5060	e940	e1300	5830	3700	752	1030	1040	1040	1130
23	1630	e1100	4130	e960	e1300	6570	3310	1040	923	721	1060	1010
24	1480	e1000	e3300	e980	e1400	6040	3000	1050	1050	735	1210	453
25	1400	e1000	e3000	e1100	e1400	4810	2650	882	1210	743	1310	951
26	1320	1300	2480	e1000	e1500	3950	2340	771	1010	904	1200	1960
27	1230	1560	e2300	e1000	e1400	3320	2070	1140	1010	1080	1110	1060
28	1200	1500	e2200	e1000	e1300	3150	1850	1740	1060	1360	1280	723
29	1140	1350	e2100	e1000	---	2930	1670	1670	1080	1240	1360	847
30	1060	1340	2030	e1100	---	7960	1550	1340	1030	994	1370	1120
31	1020	---	e1900	e1200	---	12000	---	1200	---	1030	1460	---
TOTAL	43735	39218	107310	38160	40000	85670	247250	30604	44393	27589	33922	35304
MEAN	1411	1307	3462	1231	1429	2764	8242	987	1480	890	1094	1177
MAX	3880	2110	23700	1800	1700	12000	24800	1740	3460	1390	1460	1960
MIN	680	778	900	940	1200	1000	1550	578	923	601	860	453

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

	1994	2578	2668	2480	2647	4591	5776	3490	1772	1380	1289	1400
MEAN	1994	2578	2668	2480	2647	4591	5776	3490	1772	1380	1289	1400
MAX	6545	6561	11130	7594	7993	11080	14500	7866	4048	3571	2710	3716
(WY)	1978	1997	1997	1978	1976	1977	1993	1984	2000	1996	1994	1977
MIN	701	1130	1035	587	611	1177	1496	935	734	777	560	839
(WY)	1992	1979	1999	1977	1980	1981	1985	1985	1985	1981	1985	1994

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

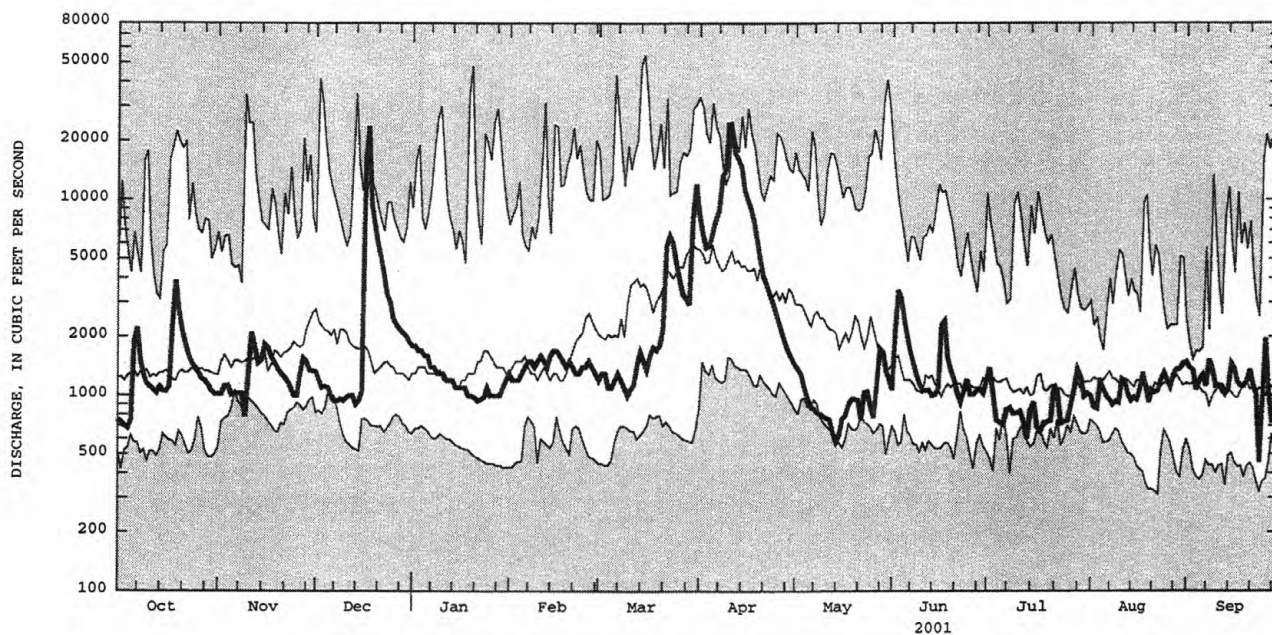
WATER YEARS 1975 - 2001

ANNUAL TOTAL	1178438	773155	
ANNUAL MEAN	3220	2118	
HIGHEST ANNUAL MEAN			2666
LOWEST ANNUAL MEAN			3972
HIGHEST DAILY MEAN	23700	24800	1434
LOWEST DAILY MEAN	622	453	1985
ANNUAL SEVEN-DAY MINIMUM	743	703	54800
10 PERCENT EXCEEDS	7740	3770	312
50 PERCENT EXCEEDS	1570	1200	354
90 PERCENT EXCEEDS	905	835	6040
			1390
			794

e Estimated

DELAWARE RIVER BASIN

01427510 DELAWARE RIVER AT CALLICOON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01427510 DELAWARE RIVER AT CALLICOON, NY--Continued

WATER-QUALITY RECORDS

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 1976-2001), 30.5°C, July 12, 1987; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 28.5°C, July 25; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	16.0	12.5	14.0	7.5	5.0	6.5	3.0	1.5	2.5	.0	.0	.0
2	16.5	13.5	15.0	8.0	5.0	6.5	1.5	.0	.5	.0	.0	.0
3	16.5	14.5	15.5	8.5	5.5	7.0	.5	.0	.0	.0	.0	.0
4	16.0	14.0	15.0	9.0	7.5	8.5	.5	.0	.0	.0	.0	.0
5	15.0	13.0	14.0	8.5	7.0	8.0	.0	.0	.0	.0	.0	.0
6	13.5	12.0	13.0	7.5	6.0	6.5	.0	.0	.0	.0	.0	.0
7	12.5	11.0	11.5	7.0	5.0	6.0	.0	.0	.0	.0	.0	.0
8	11.0	9.5	10.5	7.5	5.0	6.5	.0	.0	.0	.0	.0	.0
9	9.5	8.0	9.0	8.5	6.5	7.5	.0	.0	.0	.0	.0	.0
10	8.5	7.0	7.5	9.5	8.5	9.0	.0	.0	.0	.0	.0	.0
11	10.0	7.0	8.5	9.0	8.0	8.5	.0	.0	.0	.0	.0	.0
12	11.5	7.5	9.5	8.5	7.5	8.0	.0	.0	.0	.0	.0	.0
13	12.5	8.5	10.5	7.5	7.0	7.5	.5	.0	.0	.0	.0	.0
14	13.5	10.0	11.5	7.5	6.5	7.0	.0	.0	.0	.0	.0	.0
15	14.0	11.0	12.5	6.5	5.0	6.0	.0	.0	.0	.0	.0	.0
16	13.5	12.0	12.5	6.0	5.0	5.5	.0	.0	.0	.0	.0	.0
17	12.0	11.0	11.5	5.5	4.0	5.0	1.5	.0	.0	.0	.0	.0
18	11.5	10.5	11.0	4.5	3.0	4.0	2.0	1.0	2.0	.0	.0	.0
19	11.5	10.0	10.5	4.0	3.0	3.5	1.0	.5	.5	.0	.0	.0
20	11.5	9.5	10.5	3.0	1.5	2.5	1.5	1.0	1.0	.0	.0	.0
21	12.0	9.5	10.5	2.5	1.5	2.0	1.0	.5	.5	.0	.0	.0
22	12.0	10.0	10.5	1.5	.0	.5	1.0	.0	1.0	.0	.0	.0
23	11.0	8.5	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	11.0	8.5	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	12.5	9.5	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	13.5	11.0	12.5	1.0	.0	.5	.0	.0	.0	.0	.0	.0
27	13.5	11.0	12.5	2.0	1.0	1.5	.0	.0	.0	.0	.0	.0
28	13.0	9.5	11.5	3.0	2.0	2.5	.0	.0	.0	.0	.0	.0
29	9.5	6.5	7.5	4.0	2.5	3.0	.0	.0	.0	.0	.0	.0
30	7.0	5.0	6.0	4.0	3.0	3.5	.0	.0	.0	.0	.0	.0
31	7.5	4.5	6.0	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	16.5	4.5	11.0	9.5	.0	5.0	3.0	.0	.5	.0	.0	.0

DELAWARE RIVER BASIN

01427510 DELAWARE RIVER AT CALLICOON, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.0	.0	.0	.0	.0	.0	3.0	2.0	2.5	18.5	12.0	15.0
2	.0	.0	.0	.0	.0	.0	3.0	3.0	3.0	20.0	14.5	17.0
3	.0	.0	.0	.0	.0	.0	4.5	2.5	3.5	21.0	16.0	18.5
4	.0	.0	.0	.0	.0	.0	6.0	3.5	4.5	22.5	17.0	20.0
5	.0	.0	.0	.0	.0	.0	6.0	4.0	5.0	21.0	18.0	19.5
6	.0	.0	.0	.0	.0	.0	5.0	4.0	4.5	20.0	15.0	18.0
7	.0	.0	.0	.0	.0	.0	4.5	3.5	4.0	19.5	14.5	17.5
8	.0	.0	.0	.0	.0	.0	4.5	3.5	4.0	20.0	14.0	17.0
9	.0	.0	.0	.0	.0	.0	6.5	3.5	4.5	20.5	---	---
10	.0	.0	.0	.0	.0	.0	6.5	5.0	5.5	21.5	16.0	19.0
11	.0	.0	.0	.0	.0	.0	5.5	4.5	5.0	23.0	17.0	20.5
12	.0	.0	.0	.0	.0	.0	5.5	4.5	5.0	22.0	19.0	20.5
13	.0	.0	.0	.0	.0	.0	7.0	5.5	6.0	19.5	16.0	18.0
14	.0	.0	.0	.0	.0	.0	7.0	6.0	6.5	18.0	15.0	17.0
15	.0	.0	.0	.0	.0	.0	6.5	5.5	6.5	19.0	14.0	16.5
16	.0	.0	.0	.0	.0	.0	7.0	6.0	6.5	20.0	14.5	17.0
17	.0	.0	.0	.0	.0	.0	7.0	5.5	6.0	18.0	15.5	16.0
18	.0	.0	.0	.5	.0	.0	6.5	5.0	5.5	15.5	14.5	14.5
19	.0	.0	.0	1.5	.0	.5	6.5	5.0	6.0	19.0	14.0	16.5
20	.0	.0	.0	3.0	.0	1.5	7.5	5.5	6.5	17.5	14.5	16.0
21	.0	.0	.0	2.5	1.0	2.0	8.5	6.5	7.5	16.5	15.0	15.5
22	.0	.0	.0	2.0	1.5	1.5	12.5	8.0	10.0	15.5	14.5	15.0
23	.0	.0	.0	3.5	1.5	2.5	15.5	11.0	13.0	15.5	14.0	14.5
24	.0	.0	.0	3.5	2.0	3.0	16.0	13.0	14.5	19.0	14.5	16.0
25	.0	.0	.0	3.0	1.0	2.0	13.0	10.0	11.5	17.5	15.5	16.5
26	.0	.0	.0	2.5	1.0	2.0	13.5	8.5	10.5	16.5	15.0	16.0
27	.0	.0	.0	2.0	.0	1.0	13.5	9.5	11.5	17.0	15.0	15.5
28	.0	.0	.0	3.5	.5	2.0	14.0	10.0	12.0	17.5	15.0	16.0
29	---	---	---	3.5	1.5	2.5	14.5	9.0	11.5	17.5	15.0	16.5
30	---	---	---	2.5	1.5	2.0	16.0	10.0	13.0	17.0	14.0	15.5
31	---	---	---	2.5	1.5	2.0	---	---	---	17.5	12.5	15.0
MONTH	.0	.0	.0	3.5	.0	1.0	16.0	2.0	7.0	23.0	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	16.5	13.0	15.0	26.0	22.0	24.5	23.0	19.5	22.0	19.0	16.5	17.5
2	16.0	13.0	14.5	22.0	18.5	20.5	24.5	20.0	22.5	19.0	15.0	17.0
3	16.0	14.5	15.0	22.0	17.5	20.0	23.5	21.5	23.0	18.5	14.5	16.5
4	15.5	14.0	14.5	23.0	19.0	21.0	24.0	21.5	22.5	18.0	15.5	16.5
5	17.5	13.5	15.5	24.5	21.0	22.5	24.0	20.0	22.0	19.0	15.5	17.0
6	19.0	15.0	17.0	23.0	20.0	21.5	24.5	21.0	23.0	19.0	14.5	16.5
7	21.0	15.5	18.0	24.0	18.5	21.5	25.0	21.5	23.5	20.0	15.0	17.5
8	---	16.0	---	23.0	20.5	21.5	26.0	22.0	24.0	19.5	16.0	18.0
9	---	16.5	---	24.5	20.0	22.5	26.0	22.5	24.5	19.5	16.0	18.0
10	22.5	17.0	20.0	26.0	22.0	24.5	25.0	23.5	24.0	19.0	17.0	18.0
11	21.0	18.0	19.0	25.0	22.5	24.0	23.5	19.5	21.5	19.5	16.0	18.0
12	---	17.5	---	23.5	21.0	22.5	19.5	18.0	18.5	19.5	15.0	17.5
13	---	---	---	21.5	19.5	21.0	20.0	18.0	19.0	20.0	15.5	18.0
14	---	---	---	22.0	19.0	20.5	21.0	17.5	19.5	18.5	15.5	17.0
15	---	---	---	22.0	19.0	20.5	22.5	18.5	20.5	17.0	13.5	15.5
16	---	---	---	23.5	18.5	21.5	22.0	18.5	20.5	17.0	13.0	15.0
17	---	---	---	23.5	21.0	22.5	22.0	19.0	20.5	18.0	14.0	16.0
18	---	---	---	26.0	21.5	24.0	20.5	18.0	19.5	18.0	14.5	16.5
19	---	---	---	25.5	22.5	24.5	21.0	17.5	19.0	18.0	15.0	16.5
20	---	---	---	26.0	21.5	24.5	22.5	19.0	20.5	17.0	16.0	16.5
21	---	---	---	26.0	21.5	24.0	21.5	19.0	20.5	19.5	16.0	17.5
22	---	---	---	23.5	20.5	22.5	22.0	18.0	20.0	20.0	16.5	18.0
23	---	---	---	25.5	20.5	23.0	20.0	17.5	18.0	20.5	17.0	18.5
24	---	---	---	27.0	22.5	25.0	19.0	16.0	17.5	19.5	17.5	18.0
25	---	---	---	28.5	24.5	26.5	20.0	14.5	17.5	19.0	17.5	18.0
26	---	---	---	27.0	23.5	25.0	19.0	16.0	17.5	17.5	15.5	16.5
27	28.0	---	---	23.5	20.5	22.5	18.5	17.0	17.5	15.5	14.0	15.0
28	27.0	23.5	25.5	22.0	18.5	20.5	19.5	16.5	17.5	15.5	13.5	14.5
29	26.5	23.0	25.0	20.5	18.5	20.0	19.5	16.0	17.5	16.0	14.0	15.0
30	27.0	23.0	25.0	22.0	18.5	20.0	17.5	15.5	16.5	15.5	12.5	14.0
31	---	---	---	23.0	19.0	21.0	19.0	15.5	17.0	---	---	---
MONTH	---	---	---	28.5	17.5	22.5	26.0	14.5	20.0	20.5	12.5	17.0

DELAWARE RIVER BASIN

387

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 mi².

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 sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to September 1954, entire flow from 371 mi² of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi² 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. National Weather Service telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130,000 ft³/s, Aug. 19, 1955, gage height, 26.40 ft, from floodmarks in gage house, from rating curve extended above 55,000 ft³/s, on basis of slope-area measurement at gage height 23.19 ft; minimum discharge, 122 ft³/s, Sept. 5, 1953, gage height, 1.11 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46,900 ft³/s, Dec. 18, gage height, 14.33 ft; minimum, 605 ft³/s, Jan. 23, gage height, 2.21 ft, result of freezeup.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	795	1050	1540	e1900	e1400	e1300	10500	1770	1450	1320	1200	1650
2	779	1050	1390	e1900	e1300	e1400	8370	1680	2790	1610	1100	1520
3	754	1100	1170	e1800	e1300	e1400	7100	1590	4460	1410	963	1540
4	720	1150	1040	e1800	e1300	e1300	7090	1420	4350	1030	1300	1280
5	730	1090	e1100	e1800	e1400	e1200	7960	1250	3430	941	1320	1240
6	1390	1030	e1100	e2000	e1500	e1300	9160	1130	2720	933	1200	1400
7	2800	1040	e1000	e2200	e1600	e1300	9630	1070	2260	947	1150	1250
8	1870	1060	e1100	e2000	e1600	e1300	13900	1030	1950	1090	1080	1510
9	1400	955	e1100	e1800	e1400	e1200	15100	1010	1680	1110	1120	1560
10	1230	1170	e1000	e1600	e1600	e1200	25800	990	1500	999	979	1330
11	1150	2920	e1000	e1400	e1700	e1100	23400	962	1380	1150	1310	1230
12	1120	2410	e1100	e1400	e1600	e1100	18800	930	1360	1030	1400	1230
13	1070	1850	e1100	e1400	e1600	e1200	17100	918	1370	853	1260	1180
14	1090	1690	e1000	e1300	e1700	e1500	15800	753	1270	862	1140	1160
15	1100	2220	e1000	e1300	e1900	e1700	12400	744	1230	1100	1130	1410
16	1070	2200	e1100	e1200	e1900	e1600	10700	841	1280	999	1120	1570
17	1110	1900	13200	e1200	e1700	e1700	9850	957	3310	843	1120	1340
18	1960	1730	30400	e1200	e1600	e1900	8520	994	3390	858	1450	1260
19	4980	1590	11600	e1100	e1500	e2000	7140	1160	2190	845	1340	1220
20	3640	1470	8810	e1100	e1700	e2000	5830	1130	1760	958	1120	1300
21	2790	1380	7120	e1100	e1700	e2400	4910	1140	1690	1110	1160	1430
22	2290	1310	6130	e1000	e1600	6880	4520	1120	1420	1320	1180	1520
23	1920	1210	e4700	e1100	e1400	8730	4080	1380	1250	1000	1180	1110
24	1690	1030	e4000	e1100	e1500	8190	3710	1460	1290	874	1270	870
25	1560	1120	e3200	e1100	e1500	6620	3290	1280	1520	888	1430	772
26	1450	1200	e2800	e1000	e1600	5380	2900	1090	1300	1000	1390	2040
27	1330	1890	e2600	e1000	e1600	4440	2570	1730	1250	1170	1250	1520
28	1260	1860	e2300	e960	e1500	4100	2280	2290	1260	1510	1360	1000
29	1210	1610	e2200	e940	---	3870	2070	2460	1340	1500	1480	800
30	1130	1520	e2000	e900	---	8400	1900	1950	1220	1250	1490	1200
31	1080	---	e2000	e1100	---	15100	---	1620	---	1180	1590	---
TOTAL	48468	44805	120900	42700	43700	102810	276380	39849	58670	33690	38582	39442
MEAN	1563	1494	3900	1377	1561	3316	9213	1285	1956	1087	1245	1315
MAX	4980	2920	30400	2200	1900	15100	25800	2460	4460	1610	1590	2040
MIN	720	955	1000	900	1300	1100	1900	744	1220	843	963	772

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

	2004	2725	3102	2766	2956	5151	6551	4054	2305	1635	1392	1487
MEAN	7404	7448	11940	8335	9389	12050	16500	8615	6701	4087	3033	4186
MAX	1978	1997	1997	1978	1976	1977	1993	1984	1972	1996	1994	1987
(WY)	527	610	1114	687	712	1399	1878	1161	673	328	465	448
MIN	1964	1965	1999	1977	1980	1981	1985	1965	1965	1965	1965	1965
(WY)												

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

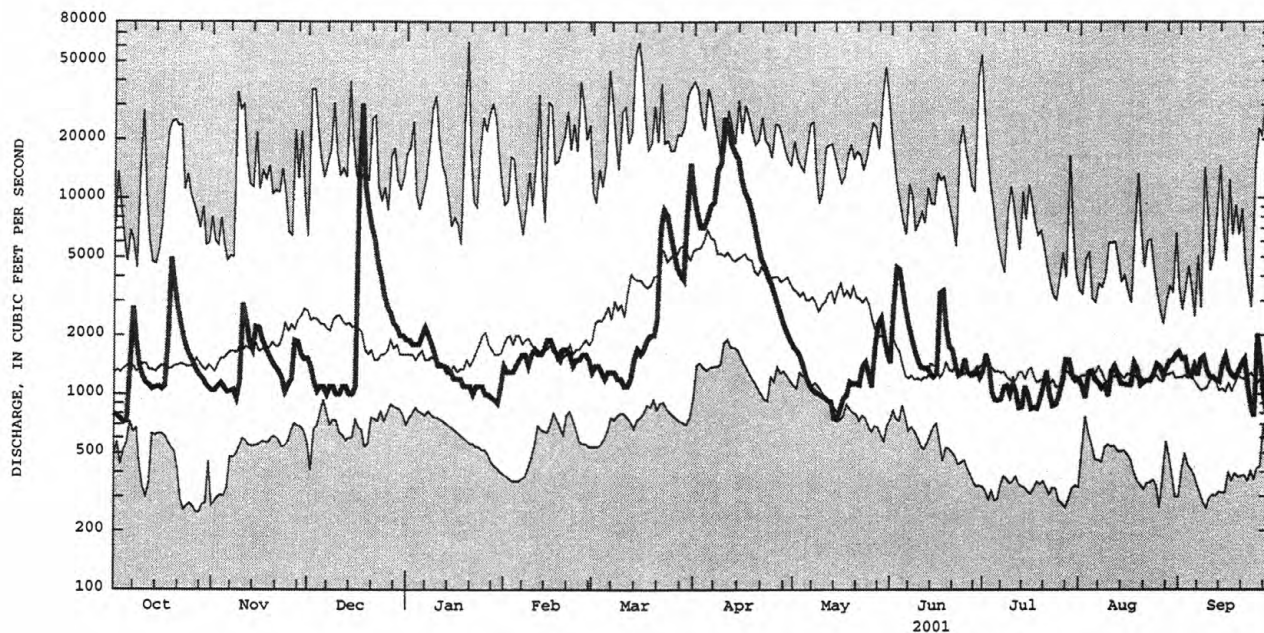
WATER YEARS 1964 - 2001

ANNUAL TOTAL	1386030	889996	
ANNUAL MEAN	3787	2438	
HIGHEST ANNUAL MEAN			3008
LOWEST ANNUAL MEAN			4650
HIGHEST DAILY MEAN	30400	Dec 18	1297
LOWEST DAILY MEAN	688	Sep 8	1965
ANNUAL SEVEN-DAY MINIMUM	783	Sep 29	63000
10 PERCENT EXCEEDS	8960		Jan 20 1996
50 PERCENT EXCEEDS	1930		Oct 27 1963
90 PERCENT EXCEEDS	986		Oct 23 1963
			250
			264
			6710
			1620
			870

e Estimated

DELAWARE RIVER BASIN

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

WATER-QUALITY RECORDS

NUTRIENT DATA: 1971 (a).

WATER TEMPERATURES: October 1967 to current year (no winter record for water years 1969-76).

REMARKS.--Interruptions of record were due to malfunction of recording instrument.

WATER TEMPERATURES: Maximum (water years 1968-75, 1980-81, 1983, 1985-96, 1999-2001), 32.5°C, July 9, 10, 1993; minimum (water years 1968, 1977-2001), 0.0°C, on many days during winter periods, each year except water years 1980-82.

WATER TEMPERATURES: Maximum, 31.0°C, July 25; minimum, 0.0°C on many days during winter period.

[illegible]

DELAWARE RIVER BASIN

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.0	.0	---	1.0	.0	.0	3.0	2.5	2.5	18.5	13.0	15.5
2	.0	.0	---	.5	.0	.5	3.5	3.0	3.0	20.0	15.0	17.5
3	.0	.0	---	1.5	.0	.5	5.5	2.5	3.5	22.0	16.5	19.0
4	.0	.0	.0	.5	.0	.0	7.0	3.5	4.5	23.5	18.5	20.5
5	.0	.0	.0	.5	.0	.0	7.0	4.0	5.5	22.5	18.5	20.5
6	.0	.0	---	.5	.0	.0	6.0	4.5	5.0	21.5	16.0	18.5
7	---	---	---	3.0	.0	1.0	5.0	3.5	4.5	21.0	15.5	18.0
8	.0	.0	---	1.5	.0	.5	5.0	4.0	4.5	21.0	15.5	18.0
9	.0	.0	.0	1.5	.0	.5	7.5	3.0	5.0	21.5	16.5	18.5
10	.0	.0	.0	3.5	.0	1.0	8.5	5.5	6.5	23.0	17.0	19.5
11	.0	.0	.0	2.0	.0	.5	6.0	5.0	5.5	24.0	18.0	21.0
12	1.0	.0	.0	4.5	.0	1.5	6.0	5.0	5.5	23.0	19.5	21.0
13	1.0	.0	.0	1.5	.5	1.0	8.0	5.5	6.5	22.5	17.5	19.5
14	.0	.0	.0	2.5	.0	1.0	8.0	7.0	7.5	20.5	16.0	18.0
15	.5	.0	.0	1.5	.0	1.0	7.5	6.5	7.0	21.5	15.0	18.0
16	.0	.0	.0	2.0	.0	1.0	8.0	7.0	7.5	21.0	15.5	18.0
17	1.5	.0	.0	1.0	.5	1.0	7.5	6.5	7.0	18.0	16.0	17.0
18	1.0	.0	.0	3.0	.0	1.0	7.5	5.5	6.5	16.0	15.5	16.0
19	1.0	.0	.0	4.0	.0	1.5	7.5	5.5	6.5	21.5	15.0	18.0
20	1.5	.0	.0	3.5	.0	1.5	7.5	6.0	7.0	19.5	16.5	18.0
21	1.5	.0	.0	1.0	.5	.5	9.0	7.0	8.0	17.5	16.0	16.5
22	.0	.0	.0	1.5	.5	1.0	13.0	9.0	10.5	16.5	15.5	16.0
23	.0	.0	.0	4.0	1.0	2.0	15.0	11.5	13.0	16.5	15.5	16.0
24	1.0	.0	.0	3.5	2.5	3.0	16.0	14.5	15.0	20.0	15.5	17.0
25	.0	.0	.0	3.5	2.0	2.5	14.5	12.0	13.5	18.0	16.0	17.0
26	.5	.0	.5	3.0	1.5	2.0	14.5	11.0	12.0	17.0	16.0	16.0
27	1.5	.0	.5	2.5	1.0	1.5	15.0	11.0	12.5	17.0	15.5	16.0
28	2.0	.0	.5	4.0	1.5	2.5	14.5	11.5	12.5	18.5	15.5	17.0
29	---	---	---	3.5	2.5	3.0	15.5	10.5	12.5	18.5	16.0	17.0
30	---	---	---	3.0	2.0	2.5	16.0	11.0	13.5	18.0	15.5	16.5
31	---	---	---	2.5	2.0	2.0	---	---	---	18.5	14.0	16.0
MONTH	---	---	---	4.5	.0	1.0	16.0	2.5	8.0	24.0	13.0	18.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	17.5	14.0	15.5	28.0	24.5	26.5	27.0	21.5	24.0	22.0	19.5	20.5
2	16.5	15.0	15.5	24.5	21.5	23.0	28.0	23.0	25.0	22.0	18.0	19.5
3	16.5	15.0	15.5	23.0	19.5	21.5	28.0	24.0	25.5	21.5	17.5	19.5
4	16.0	15.0	15.5	24.5	20.5	22.5	28.0	24.0	25.5	20.0	18.0	19.0
5	17.5	15.0	16.0	25.0	22.0	23.0	28.5	24.0	26.0	22.0	17.5	19.5
6	19.0	16.0	17.5	24.5	21.0	22.5	28.5	24.0	26.5	22.0	17.5	19.5
7	20.5	17.0	18.5	25.0	20.0	22.5	29.5	25.0	27.0	22.5	17.5	20.0
8	21.5	17.5	19.5	23.5	21.5	22.5	30.0	25.0	27.0	22.5	18.5	20.5
9	22.0	17.5	20.0	26.5	21.5	24.0	30.5	25.5	28.0	23.0	19.5	21.0
10	23.0	18.0	20.5	27.5	23.0	25.0	28.5	26.5	27.5	22.0	20.0	20.5
11	21.5	19.5	20.5	27.5	23.5	25.5	26.5	24.5	25.0	23.0	19.0	20.5
12	24.0	19.0	21.5	25.5	22.5	24.0	24.5	22.5	23.5	22.5	18.0	20.5
13	26.0	21.0	23.5	23.5	21.0	22.0	24.0	21.5	22.5	23.0	18.5	20.5
14	28.0	23.5	25.5	24.5	20.5	22.0	25.0	20.5	22.5	20.5	18.0	19.0
15	29.0	24.5	27.0	24.5	20.0	22.0	25.5	21.0	23.5	20.0	16.5	18.0
16	29.0	26.0	27.0	26.5	21.0	23.5	26.0	21.5	23.5	19.5	15.5	17.5
17	26.0	22.5	24.0	25.0	23.0	24.0	25.5	22.5	24.0	20.0	15.5	18.0
18	24.5	21.5	23.0	27.5	22.5	25.0	24.0	21.5	23.0	20.0	16.5	18.0
19	26.0	22.0	24.0	27.5	23.5	25.5	24.0	21.0	22.5	20.0	17.0	18.5
20	27.5	23.0	25.0	28.5	23.5	25.5	25.5	21.5	23.5	---	18.0	---
21	25.0	22.5	24.0	28.0	23.5	25.5	24.5	21.5	23.0	20.5	17.5	19.0
22	23.5	21.5	22.5	27.5	23.5	25.5	25.5	21.0	23.0	21.0	18.0	19.5
23	23.5	21.5	22.5	28.5	23.0	25.5	22.5	20.5	21.5	22.0	18.0	20.0
24	24.5	21.0	22.5	30.0	24.5	27.0	24.0	20.0	21.5	20.0	19.0	19.5
25	25.0	21.0	23.0	31.0	26.5	28.5	23.5	19.0	21.5	20.0	18.5	19.5
26	28.0	22.0	25.0	28.0	25.0	27.0	22.5	19.0	21.0	18.5	17.0	17.5
27	28.5	23.5	26.0	28.0	23.0	25.0	21.5	20.0	20.5	17.0	15.5	16.5
28	29.0	25.0	27.0	26.0	22.0	24.0	23.0	19.0	20.5	15.5	14.5	15.0
29	29.0	25.0	27.0	24.0	21.5	23.0	24.5	19.5	21.0	17.0	14.5	15.5
30	30.0	25.5	27.5	25.0	21.0	23.0	21.0	18.5	19.5	16.0	13.5	---
31	---	---	---	26.0	20.5	23.0	21.5	18.5	20.0	---	---	---
MONTH	30.0	14.0	22.0	31.0	19.5	24.0	30.5	18.5	23.5	---	13.5	---

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 mi².

PERIOD OF RECORD.--Water years 1958, 1968 to current year.

CHEMICAL DATA: 1958 (d), 1969 (a), 1973 (b), 1974 (d), 1975 (b).

NUTRIENT DATA: 1973 (b), 1974 (d), 1975 (b).

BIOLOGICAL DATA:

Bacteria.--1973 (b), 1974 (d), 1975 (b).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1967 to September 1973, March 1975 to current year.

INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. From March 1975 to February 1994, water-temperature recorder provided one-hour-interval readings. Prior to September 1973, water-temperature recorder provided continuous recordings.

REMARKS.--Unpublished records of daily temperatures for May to September 1964-66 are available in files of the Geological Survey. Temperature probe may be influenced by solar radiation during periods of low flow.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum (water years 1968-73, 1976-78, 1980-82, 1986-88, 1990-2001), 32.0°C, July 20, 21, 1980; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 31.0°C, July 25; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	16.5	14.0	15.0	7.5	6.0	7.0	3.5	2.0	3.0	.5	.0	.0
2	16.5	15.0	16.0	8.0	6.0	7.0	2.5	.5	1.5	.5	.0	.0
3	17.5	15.0	16.5	8.5	6.0	7.5	1.0	.0	.5	.5	.0	.0
4	17.0	15.5	16.5	9.5	7.5	8.5	1.0	.0	.5	.5	.0	.0
5	16.5	15.0	16.0	8.5	7.0	8.0	1.0	.0	.5	.5	.0	.5
6	16.0	15.0	15.5	7.5	6.0	7.0	1.0	.0	.5	.5	.0	.0
7	15.0	12.5	14.0	8.0	6.0	7.0	1.0	.0	.5	.5	.0	.0
8	13.0	10.0	11.0	7.5	6.0	7.0	.5	.0	.5	.5	.0	.0
9	10.5	9.0	9.5	8.5	7.0	7.5	.5	.0	.5	.5	.0	.0
10	9.5	7.5	8.5	9.5	8.0	9.0	1.0	.0	.5	.5	.0	.0
11	10.0	7.5	8.5	9.5	8.5	9.0	1.0	.0	.5	.5	.0	.0
12	11.0	8.5	9.5	9.0	8.0	8.5	1.0	.0	.5	.5	.0	.0
13	11.5	9.5	10.5	8.5	7.5	8.0	1.0	.0	.5	.5	.0	.0
14	13.0	10.5	12.0	8.5	7.0	8.0	.5	.0	.5	.5	.0	.0
15	14.0	11.5	13.0	7.5	6.0	6.5	1.0	.0	.5	.5	.0	.0
16	14.0	12.5	13.5	6.5	5.0	6.0	.5	.0	.5	.5	.0	.0
17	13.0	11.5	12.5	6.0	5.0	5.5	1.5	.0	.5	.5	.0	.0
18	12.5	11.5	12.0	5.0	3.5	4.5	2.5	.5	1.5	.5	.0	.0
19	12.0	10.5	11.5	4.5	3.0	4.0	1.5	.5	1.0	.5	.0	.0
20	12.0	10.0	11.0	3.5	2.0	3.0	1.5	.0	.5	.5	.0	.0
21	12.5	10.0	11.5	3.0	1.5	2.0	1.0	.0	.5	.5	.0	.0
22	12.0	10.5	11.5	2.0	.5	1.0	1.0	.0	.5	.5	.0	.0
23	11.5	9.5	10.5	1.0	.0	.5	.5	.0	.0	.5	.0	.0
24	11.5	9.0	10.5	1.0	.0	.5	.5	.0	.0	.5	.0	.0
25	12.5	10.0	11.5	1.0	.0	.5	.5	.0	.0	.5	.0	.0
26	13.0	11.0	12.0	1.0	.0	.5	.5	.0	.0	.5	.0	.0
27	13.0	11.5	12.5	2.5	.5	1.0	.5	.0	.0	.5	.0	.0
28	13.0	10.5	12.0	3.5	2.0	3.0	.5	.0	.0	.5	.0	.0
29	10.5	7.5	9.0	3.5	2.0	3.0	.5	.0	.5	.5	.0	.0
30	8.0	6.5	7.5	4.0	3.0	3.5	.5	.0	.0	.5	.0	.0
31	8.0	6.0	7.0	---	---	---	.5	.0	.0	.5	.0	.0
MONTH	17.5	6.0	12.0	9.5	.0	5.0	3.5	.0	.5	.5	.0	.0

DELAWARE RIVER BASIN

01432160 DELAWARE RIVER AT BARRYVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.5	.0	.0	1.0	.0	.5	3.0	1.5	2.5	17.5	12.0	14.5
2	.5	.0	.0	1.5	.0	1.0	3.5	2.5	3.0	18.5	14.0	16.5
3	.5	.0	.0	2.5	.5	1.5	5.0	2.5	3.5	20.0	15.5	18.0
4	.5	.0	.0	2.0	.0	1.0	5.5	3.0	4.5	21.5	17.0	19.0
5	.5	.0	.0	.5	.0	.0	6.5	3.5	5.0	20.0	17.5	19.0
6	.5	.0	.0	2.0	.0	.5	6.0	4.0	4.5	19.5	16.5	18.0
7	.5	.0	.0	2.5	.5	1.5	5.0	4.0	4.5	19.5	16.0	17.5
8	.5	.0	.0	2.5	.5	1.5	5.0	4.0	4.5	19.0	15.0	17.5
9	.5	.0	.0	2.5	.5	1.5	6.5	3.5	5.0	20.5	16.0	18.0
10	.5	.0	.0	2.5	.5	1.5	6.5	5.5	6.0	21.0	16.0	18.5
11	.5	.0	.0	2.0	.0	1.0	6.0	5.0	5.5	22.5	17.5	20.0
12	.5	.0	.0	3.5	.0	1.5	6.0	5.0	5.5	23.0	18.5	20.5
13	.5	.0	.0	3.0	1.5	2.0	7.5	5.5	6.5	20.5	17.0	18.5
14	.5	.0	.0	3.0	1.0	2.0	8.5	6.0	7.0	19.5	14.5	17.0
15	1.0	.0	.5	3.0	.5	2.0	8.0	6.5	7.5	20.0	13.0	16.5
16	.5	.0	.5	3.5	1.0	2.0	8.0	7.0	7.5	21.5	14.0	17.0
17	1.0	.0	.5	3.0	1.5	2.0	7.5	6.5	7.0	17.0	15.5	16.5
18	.5	.0	.0	3.0	1.0	2.0	8.0	5.5	6.5	16.0	14.5	15.5
19	.5	.0	.0	4.0	.5	2.5	8.0	5.0	6.5	19.5	14.5	17.0
20	1.5	.0	.5	4.5	.5	2.5	8.0	5.5	6.5	18.5	16.5	17.5
21	1.5	.0	1.0	3.5	1.5	2.0	9.0	7.0	8.0	17.0	15.5	16.5
22	.5	.0	.0	2.5	1.5	2.0	13.0	9.0	10.5	16.0	15.0	15.5
23	.5	.0	.0	4.0	1.0	2.5	14.5	12.0	13.0	16.0	15.0	15.5
24	1.0	.0	.5	3.5	2.0	3.0	15.5	13.0	14.0	18.0	15.0	16.5
25	1.0	.0	.5	3.0	1.0	2.5	13.5	11.0	12.5	17.5	15.5	16.5
26	2.0	.5	1.0	3.0	1.0	2.0	13.0	9.5	11.5	16.0	15.0	15.5
27	2.0	.0	1.0	3.0	.5	1.5	13.0	9.5	11.5	16.5	15.0	15.5
28	1.5	.0	1.0	4.0	1.0	2.5	13.5	10.0	12.0	17.5	15.0	16.0
29	---	---	---	3.5	2.0	2.5	14.0	10.0	12.5	17.5	15.0	16.5
30	---	---	---	3.0	2.0	2.5	15.0	11.0	13.0	17.0	15.0	16.0
31	---	---	---	2.5	1.0	2.0	---	---	---	17.0	13.5	15.5
MONTH	2.0	.0	.0	4.5	.0	2.0	15.5	1.5	7.5	23.0	12.0	17.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	16.0	14.0	15.5	27.0	23.5	25.0	26.5	21.0	24.0	21.5	20.0	20.5
2	16.0	14.5	15.0	24.0	21.0	22.5	27.5	22.0	25.0	20.5	18.0	19.5
3	16.5	14.5	15.5	22.0	18.5	20.5	29.0	22.5	25.0	20.5	18.0	19.5
4	16.0	14.5	15.5	24.0	19.0	21.5	27.0	22.5	25.0	20.0	18.5	19.0
5	17.5	14.5	16.0	25.5	21.5	23.0	28.0	24.0	26.0	20.5	17.5	19.0
6	18.5	15.5	17.0	23.0	19.5	21.5	29.0	25.0	27.0	20.5	17.5	19.0
7	20.0	16.0	18.0	25.0	17.5	21.0	29.0	23.5	26.5	21.0	18.0	19.5
8	20.5	17.0	19.0	23.5	21.5	22.5	30.0	23.5	26.5	21.5	18.0	20.0
9	21.5	17.5	19.5	26.5	21.0	23.5	30.0	23.5	27.0	22.0	19.5	21.0
10	21.5	18.5	20.0	26.5	20.5	24.0	28.5	24.5	26.5	22.0	20.0	21.0
11	20.5	18.0	20.0	26.0	21.0	24.0	27.0	23.0	24.5	21.5	19.0	20.5
12	22.5	17.0	20.0	24.0	20.5	22.5	24.5	23.0	23.5	21.0	18.0	20.0
13	24.5	19.0	22.0	22.0	19.0	21.0	24.5	22.5	23.5	21.5	18.5	20.0
14	25.5	20.5	23.5	24.0	18.0	21.0	25.0	21.5	23.5	20.5	17.5	19.0
15	27.0	21.0	24.5	24.0	19.5	22.0	26.0	21.5	23.5	18.5	16.0	17.5
16	26.5	21.5	24.0	27.0	20.5	23.5	25.5	21.5	23.5	18.0	15.5	17.0
17	24.5	20.5	22.5	24.5	20.5	22.5	25.0	22.5	23.5	18.5	16.0	17.5
18	24.0	19.5	21.5	28.0	20.0	23.5	24.0	21.0	23.0	18.5	16.5	17.5
19	24.5	20.0	22.5	27.0	21.0	24.0	24.5	21.5	23.0	19.5	17.0	18.5
20	25.5	21.5	23.5	28.0	20.5	24.0	25.5	22.0	23.5	19.0	18.0	18.0
21	23.5	21.0	22.0	28.0	21.0	25.0	24.5	21.5	23.0	20.0	17.5	18.5
22	22.5	19.5	21.0	27.0	23.5	25.5	25.0	21.0	23.0	20.0	18.0	19.0
23	22.0	19.5	21.0	29.5	23.5	26.0	23.0	20.5	21.5	22.5	18.0	19.5
24	23.0	18.5	21.0	30.5	22.0	26.0	23.0	19.5	21.5	21.0	18.5	19.5
25	24.0	19.0	21.5	31.0	23.5	26.5	22.5	20.0	21.5	20.5	18.0	19.5
26	25.5	20.5	23.5	27.0	23.0	25.0	22.5	20.0	21.0	18.5	16.5	17.5
27	26.5	20.5	24.0	26.5	21.0	23.5	21.5	20.5	21.0	17.0	15.0	16.0
28	27.0	21.5	24.5	25.5	20.5	23.0	23.0	19.5	21.0	16.0	14.5	15.0
29	27.5	22.0	25.0	24.0	22.0	23.0	22.5	19.5	21.0	17.5	13.5	15.0
30	28.0	23.0	25.5	25.5	21.0	23.5	21.0	19.5	20.0	15.5	13.0	14.0
31	---	---	---	25.5	20.0	23.0	22.0	19.0	20.5	---	---	---
MONTH	28.0	14.0	21.0	31.0	17.5	23.5	30.0	19.0	23.5	22.5	13.0	18.5

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 mi².

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.

REMARKS.--Interruptions of record were due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum (water years 1976, 1978, 1980-81, 1983-84, 1986, 1989-90, 1992-2001) 31.5°C, July 5, 1999; minimum (water years 1974, 1977-78, 1980, 1983-2001), 0.0°C on many days during winter periods, except 1978, 1980, 1985.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 30.0°C, Aug. 6; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	16.5	14.5	15.0	8.5	6.5	7.0	3.0	2.0	2.5	.0	.0	.0
2	17.0	15.0	16.0	8.5	6.5	7.0	2.0	.5	1.5	.0	.0	.0
3	17.5	15.5	16.5	8.5	6.5	7.5	.5	.0	.0	.0	.0	.0
4	17.0	16.0	16.5	9.0	7.5	8.5	.5	.0	.0	.0	.0	.0
5	16.5	15.5	16.0	8.5	7.5	8.0	.5	.0	.0	.0	.0	.0
6	16.0	15.0	15.5	8.0	6.5	7.0	.5	.0	.0	.0	.0	.0
7	15.5	13.0	14.5	8.0	6.0	7.0	.0	.0	.0	.0	.0	.0
8	13.0	10.5	12.0	8.0	6.0	7.0	.0	.0	.0	.0	.0	.0
9	10.5	9.0	10.0	8.0	7.0	7.5	.0	.0	.0	.0	.0	.0
10	9.0	8.5	8.5	9.0	8.0	8.5	.0	.0	.0	.0	.0	.0
11	10.0	8.0	9.0	9.0	8.5	9.0	.0	.0	.0	.0	.0	.0
12	11.5	8.5	10.0	9.0	8.0	8.5	.5	.0	.0	.0	.0	.0
13	12.5	9.0	10.5	8.5	8.0	8.0	.5	.0	.0	.0	.0	.0
14	13.5	10.5	12.0	8.0	7.5	8.0	.0	.0	.0	.0	.0	.0
15	14.0	11.5	12.5	7.5	6.0	6.5	.0	.0	.0	.0	.0	.0
16	13.5	13.0	13.0	6.0	5.5	6.0	.0	.0	.0	.0	.0	.0
17	13.0	12.0	12.5	6.0	5.0	5.5	1.0	.0	.0	.0	.0	.0
18	12.5	12.0	12.0	5.0	4.0	4.5	2.0	.0	1.0	.0	.0	.0
19	12.0	11.0	11.5	4.5	3.5	4.0	1.5	.5	1.0	.0	.0	.0
20	11.5	10.5	11.0	3.5	2.5	3.0	.5	.5	.5	.0	.0	.0
21	12.0	10.5	11.5	3.0	1.5	2.5	.5	.0	.0	.0	.0	.0
22	12.0	11.0	11.5	1.5	.5	1.0	.5	.0	.5	.0	.0	.0
23	11.5	10.5	11.0	.5	.0	.5	.0	.0	.0	.0	.0	.0
24	11.5	10.0	10.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
25	12.0	10.5	11.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
26	13.0	11.5	12.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
27	13.5	11.5	12.5	1.5	.0	.5	.0	.0	.0	.0	.0	.0
28	13.0	11.0	12.0	2.5	1.5	2.0	.0	.0	.0	.0	.0	.0
29	11.0	8.0	9.5	2.5	2.0	2.5	.0	.0	.0	.0	.0	.0
30	8.0	7.0	7.5	3.0	2.5	3.0	.0	.0	.0	.0	.0	.0
31	8.5	6.5	7.0	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	17.5	6.5	12.0	9.0	.0	5.0	3.0	.0	.0	.0	.0	.0

DELAWARE RIVER BASIN

01432805 DELAWARE RIVER AT POND EDDY, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.0	.0	.0	.5	.0	.0	3.0	2.0	2.5	16.0	13.5	14.5
2	.0	.0	.0	.5	.0	.5	3.5	2.5	3.0	17.5	15.5	16.5
3	.0	.0	.0	1.5	.5	1.0	4.5	3.0	3.5	19.5	16.5	18.0
4	.0	.0	.0	1.5	.0	.5	5.5	3.5	4.5	21.0	18.0	19.5
5	.0	.0	.0	.0	.0	.0	6.0	4.5	5.0	20.5	18.0	19.5
6	.0	.0	.0	.5	.0	.0	5.5	4.5	5.0	20.0	16.5	18.0
7	.0	.0	.0	2.0	.5	1.0	4.5	4.5	4.5	20.0	16.0	17.5
8	.0	.0	.0	1.5	.5	1.0	4.5	4.0	4.5	20.0	15.5	17.5
9	.0	.0	.0	1.5	1.0	1.0	6.5	4.0	5.0	20.0	16.5	18.0
10	.0	.0	.0	2.5	1.0	1.5	6.5	6.0	6.5	21.5	17.0	18.5
11	.0	.0	.0	2.0	.5	1.0	6.0	5.5	6.0	22.0	18.0	19.5
12	.0	.0	.0	3.0	.0	1.5	6.0	5.0	5.5	22.0	19.5	20.5
13	.0	.0	.0	2.5	1.5	2.0	7.5	5.5	6.5	21.0	17.5	19.0
14	.0	.0	.0	2.0	1.5	1.5	8.0	6.5	7.5	19.5	16.5	17.5
15	.0	.0	.0	1.5	1.0	1.5	8.0	6.5	7.5	19.5	15.0	17.0
16	.0	.0	.0	2.5	1.0	2.0	8.0	7.0	7.5	20.0	15.0	17.0
17	.0	.0	.0	2.5	1.5	2.0	7.5	7.0	7.0	17.5	16.0	16.5
18	.0	.0	.0	2.5	1.0	2.0	7.5	6.0	6.5	16.0	15.5	15.5
19	.0	.0	.0	3.0	1.0	2.0	7.5	5.5	6.5	19.0	15.0	16.5
20	.0	.0	.0	3.5	1.5	2.5	7.5	6.0	7.0	18.5	17.0	18.0
21	.5	.0	.0	3.5	1.5	2.0	9.0	7.5	8.0	17.5	16.0	16.5
22	.0	.0	.0	2.0	1.5	1.5	12.5	9.0	10.5	16.0	15.5	16.0
23	.0	.0	.0	3.5	1.5	2.0	15.0	12.0	13.0	16.0	15.5	15.5
24	.0	.0	.0	3.0	2.5	2.5	16.0	13.5	14.5	18.0	15.5	16.5
25	.0	.0	.0	3.0	2.0	2.5	14.0	12.5	13.0	17.5	16.0	17.0
26	.5	.0	.5	2.5	2.0	2.0	13.0	10.5	12.0	16.0	15.5	15.5
27	1.0	.0	.5	2.0	1.0	1.5	12.5	11.0	12.0	16.0	15.5	15.5
28	1.0	.0	.5	3.5	1.5	2.5	13.0	11.0	12.5	17.0	15.5	16.5
29	---	---	---	3.0	2.0	2.5	13.5	11.5	12.5	17.0	16.0	16.5
30	---	---	---	3.0	2.0	2.5	14.5	12.0	13.0	17.0	15.5	16.5
31	---	---	---	2.5	1.5	2.0	---	---	---	17.0	14.5	15.5
MONTH	1.0	.0	.0	3.5	.0	1.5	16.0	2.0	8.0	22.0	13.5	17.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	16.5	15.0	15.5	26.5	23.5	25.5	26.5	22.5	24.0	23.0	21.0	21.5
2	16.5	15.0	15.5	---	---	---	27.0	23.5	25.0	22.0	19.0	20.5
3	16.5	15.0	16.0	22.0	---	---	26.5	24.5	25.0	22.5	19.0	20.0
4	16.5	15.0	15.5	23.5	---	---	26.0	24.5	25.0	20.5	19.5	20.0
5	17.0	15.0	16.0	26.0	---	---	28.5	24.5	26.0	22.0	18.5	19.5
6	18.5	16.5	17.5	23.5	---	---	30.0	25.5	27.0	22.0	18.0	19.5
7	19.5	17.0	18.0	23.0	---	---	29.0	26.5	27.5	22.5	18.5	20.0
8	20.5	18.0	19.0	22.5	---	---	29.0	26.0	27.0	23.0	19.5	21.0
9	21.0	18.5	19.5	26.5	---	---	29.5	26.5	27.5	23.5	20.5	21.5
10	22.0	19.0	20.0	26.0	23.5	---	28.5	26.5	27.5	23.0	21.5	21.5
11	20.5	19.5	20.0	25.5	---	---	26.5	24.0	25.5	23.0	20.0	21.0
12	22.0	17.5	20.0	24.0	---	---	24.5	24.0	24.0	23.0	19.5	20.5
13	23.5	20.5	22.0	22.5	20.5	---	25.5	23.5	24.5	22.5	19.5	20.5
14	25.0	22.5	24.0	22.5	---	---	26.0	23.0	24.5	21.0	19.0	20.0
15	26.0	23.5	24.5	23.5	---	---	26.5	22.5	24.0	20.0	17.0	18.5
16	25.0	23.5	24.5	26.0	---	---	26.0	22.5	24.0	20.0	17.0	18.0
17	24.5	22.0	23.0	24.0	---	---	25.5	23.5	24.0	20.5	16.5	18.0
18	23.5	20.0	22.0	26.0	---	---	25.0	22.5	23.5	20.0	17.0	18.0
19	24.0	20.5	22.5	26.0	---	---	25.5	22.5	23.5	20.5	17.5	18.5
20	25.0	22.5	23.5	26.5	---	---	25.5	23.0	24.0	19.0	18.5	18.5
21	24.0	22.0	---	27.0	---	---	25.5	22.5	23.5	20.5	18.0	19.0
22	22.0	20.5	---	28.0	---	---	26.0	22.0	23.5	21.0	19.0	19.5
23	21.0	---	---	28.5	---	---	23.5	21.5	22.5	21.5	18.5	20.0
24	22.0	20.5	21.0	28.0	---	---	23.5	20.5	22.0	20.5	19.0	20.0
25	23.0	20.5	---	28.5	---	---	24.5	21.0	22.5	20.5	18.5	19.5
26	25.5	---	---	26.5	---	---	24.0	21.0	22.0	18.5	17.0	17.5
27	25.5	22.5	---	26.0	22.5	24.0	22.5	21.5	22.0	17.0	16.0	16.5
28	25.5	23.5	---	24.5	22.0	23.5	23.5	20.5	21.5	16.0	15.0	15.5
29	26.5	24.0	---	25.0	22.5	23.5	24.0	21.0	22.0	16.5	14.5	15.0
30	27.5	25.0	26.0	26.0	22.0	23.5	22.0	20.5	21.0	15.0	13.5	14.5
31	---	---	---	26.0	22.0	23.5	23.5	20.0	21.5	---	---	---
MONTH	27.5	---	---	---	---	---	30.0	20.0	24.0	23.5	13.5	19.0

01434000 DELAWARE RIVER AT PORT JERVIS, NY

LOCATION.--Lat 41°22'14", long 74°41'52", Pike County, PA, Hydrologic Unit 02040104, on right bank 250 ft downstream from bridge (on U.S. Highways 6 and 209) between Port Jervis, N.Y. and Matamoras, PA, 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.

DRAINAGE AREA.--3,070 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1904 to current year.

REVISED RECORDS.--WSP 1031: 1905-36. WDR NY-71-1: 1970. WDR NY-82-1: Drainage area. WDR NY-86-1: 1979-80.

GAGE.--Water-stage recorder. Datum of gage is 415.35 ft above sea level. 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.--No estimated daily discharges. Records good. 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 mi² of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi² 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 ft³/s, Aug. 19, 1955, gage height, 23.91 ft, from floodmarks in gage house, from rating curve extended above 89,000 ft³/s, on basis of slope-area measurement of peak flow; maximum discharge since current degree of regulation, 134,000 ft³/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 ft³/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 ft³/s, Oct. 10, 1903, gage height, 23.1 ft, from rating curve extended above 70,000 ft³/s, by velocity-area studies; maximum gage height, 25.5 ft, Mar. 8, 1904 (ice jam).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 57,700 ft³/s, Dec. 18, gage height, 11.76 ft, result of ice jam release; minimum, 989 ft³/s, Sept. 30, gage height, 1.94 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2210	1640	2530	4420	2530	3170	16800	3110	2330	2080	1870	1880
2	1890	1680	2350	3890	3200	2990	13300	3010	3280	1950	1860	1940
3	2060	1690	2050	3510	3080	2820	11800	2990	6230	2560	1800	1790
4	2110	1690	1680	3270	2430	2690	11500	2780	6680	2070	1790	1670
5	2150	1670	1610	3560	2400	2890	12300	2420	5380	1420	1830	1850
6	2670	1540	1750	3350	2480	2900	13900	1830	4230	1730	1640	1770
7	4170	1520	1670	2890	2430	2960	14800	1810	3570	1900	2060	2240
8	2840	1570	1750	2690	2470	2950	18400	1790	3110	1520	2190	1940
9	2170	1560	1590	2710	2270	2980	21100	1780	2520	1630	2390	1840
10	1960	1490	1470	2600	2440	2670	32600	1540	2270	2110	2470	1810
11	1720	3870	1620	2240	3950	2300	32300	1490	2060	2000	1900	1770
12	1650	3820	1760	2200	4390	2250	26600	1420	2710	1990	1770	1800
13	1670	3040	1990	2160	3550	2910	23400	1430	2670	1830	1700	1680
14	1610	2630	1880	1960	3440	3840	19800	1210	2340	1670	1580	1770
15	1700	2930	1880	1810	3780	3970	15800	1120	2250	1430	1600	1940
16	1650	3180	1900	1870	4740	3920	13800	1120	2310	1590	1610	1780
17	1610	2820	13300	1920	4470	3930	12900	1260	4490	1750	1700	1630
18	1940	2550	41400	1860	4000	4080	11300	1320	5690	1740	1850	1730
19	6510	2370	18700	1940	3630	4640	9930	1500	4180	1760	1700	1680
20	5520	2260	13200	1890	3260	4870	8480	1510	3320	1700	1500	1740
21	4100	2170	10400	1710	3680	5780	6810	1470	3190	1740	1530	2210
22	3400	2080	9100	1790	3900	10500	6160	1540	2860	1640	1680	2130
23	2860	1900	7780	1790	3350	14700	6130	2010	2680	1700	1680	1470
24	2450	1590	6740	2000	3090	13400	6030	2360	2590	1910	1700	1340
25	2390	1500	6380	1840	3010	11000	5220	2140	2600	1970	1760	1420
26	2300	1790	6170	2040	3550	9450	4840	1870	2390	1900	1670	2220
27	2010	2810	5360	1790	3820	8220	4330	2660	2350	1980	1620	2400
28	1960	2920	5290	1520	3660	7360	3620	3660	2380	2150	1680	1750
29	1780	2660	5250	1460	---	6990	2890	4080	2400	1880	1680	1370
30	1810	2540	4490	1710	---	12100	3040	3240	2200	1690	1730	1260
31	1680	---	4270	1910	---	24000	---	2560	---	1840	1770	---
TOTAL	76550	67480	187310	72300	93000	189230	389880	64030	97260	56830	55310	53820
MEAN	2469	2249	6042	2332	3321	6104	13000	2065	3242	1833	1784	1794
MAX	6510	3870	41400	4420	4740	24000	32600	4080	6680	2560	2470	2400
MIN	1610	1490	1470	1460	2270	2250	2890	1120	2060	1420	1500	1260

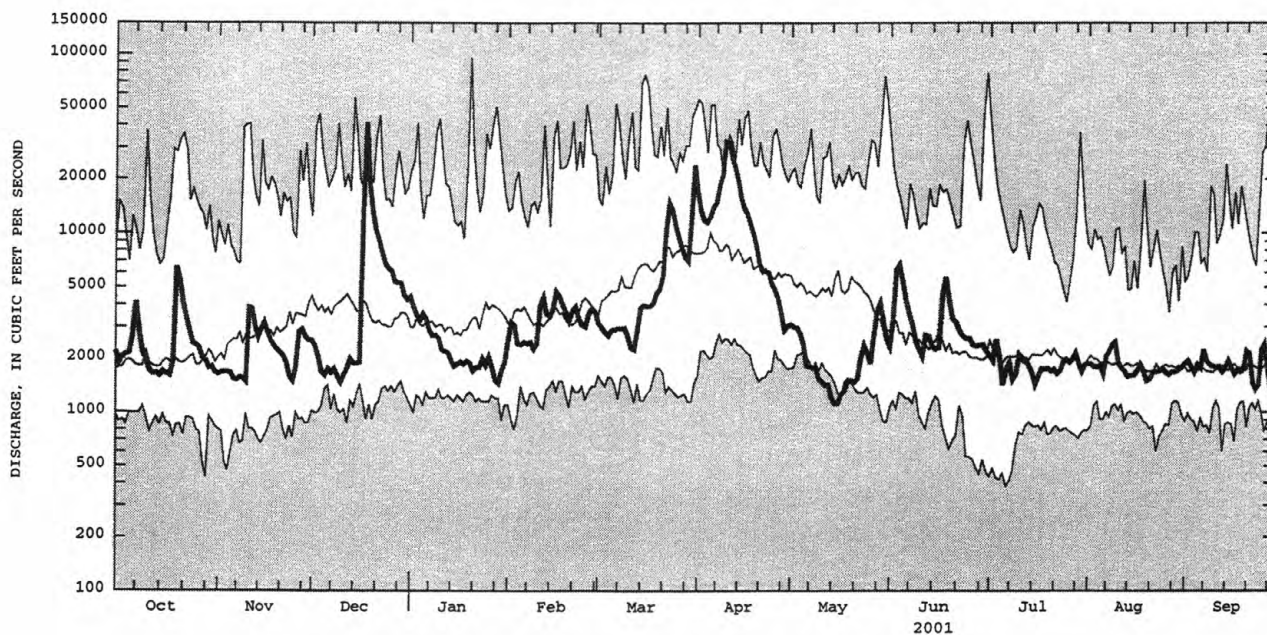
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	2964	4052	5149	4796	5112	8039	9524	6074	3882	2693	2229	2399
MAX	10440	10310	17280	12980	13730	17520	23650	12670	12650	6680	4513	7928
(WY)	1978	1973	1997	1996	1976	1977	1993	1984	1972	1973	1969	1987
MIN	1001	884	1475	1216	1601	2583	2954	1890	993	699	963	1144
(WY)	1965	1965	1999	1981	1980	1981	1985	1995	1965	1965	1965	1965

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1964 - 2001
ANNUAL TOTAL	2051040	1403000	
ANNUAL MEAN	5604	3844	4738
HIGHEST ANNUAL MEAN			7216
LOWEST ANNUAL MEAN			2028
HIGHEST DAILY MEAN	41400	Dec 18	95200
LOWEST DAILY MEAN	1470	Dec 10	385
ANNUAL SEVEN-DAY MINIMUM	1580	Nov 4	432
10 PERCENT EXCEEDS	12500		10300
50 PERCENT EXCEEDS	3250		2830
90 PERCENT EXCEEDS	1750		1510

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-60, 1964 to January 1994, June 1997, 1999 to August 2001 (discontinued).
CHEMICAL DATA: 1958-59 (e), 1964-65 (c), 1966 (a), 1967-68 (c), 1969-76 (d), 1987 (b), 1988-89 (c), 1990-91 (b), 1992, 1997 (a), 1999-2001 (d).
MINOR ELEMENTS DATA: 1970, 1972-73 (a), 1974-76 (c), 1987 (b), 1988-89 (c), 1990-91 (b), 1992 (a).
PESTICIDE DATA: 1974 (a), 1987 (b), 1988-89 (c), 1990 (b), 1997 (a), 1999 (c), 2000-01 (d).
ORGANIC DATA: OC--1974 (b), 1975, 1999-2001 (d).
NUTRIENT DATA: 1968 (a), 1969-76 (d), 1987 (b), 1988-89 (c), 1990 (b), 1999-2001 (d).
BIOLOGICAL DATA:
 Bacteria--1973-76 (d).
 Phytoplankton--1974 (b), 1975-76 (c).
 Periphyton--1976 (a).
SEDIMENT DATA: 1959, 1976 (c), 1988 (b), 1989 (c), 1990-91 (b), 1992 (a), 1999-2001 (d).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January to September 1973
WATER TEMPERATURE: February 1957 to September 1960, January to September 1973, June 1974 to January 1994, October 1998 to August 2001.
SUSPENDED-SEDIMENT DISCHARGE: February 1957 to September 1960, March 1970 to June 1976.
INSTRUMENTATION.--Thermocouple to data logger; recorded every 15 minutes.
REMARKS.--These samples were collected as part of the Delaware River Basin NAWQA. Only pesticides detected at one or more sites in the entire study are included in this table.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum (water years 1957-59, 1973-81, 1983-84, 1988-93, 1999-2000), 30.5°C, July 5, 1999; minimum (water years 1958-60, 1973, 1975-93, 1999, 2001), 0.0°C on many days during winter periods, except 1984.
SUSPENDED-SEDIMENT CONCENTRATION (water years 1957-60, 1970-76): Maximum daily mean, 760 mg/L, June 29, 1973; minimum daily mean, less than 1 mg/L on many days.
SUSPENDED-SEDIMENT DISCHARGE (water years 1957-60, 1970-76): Maximum daily, 187,000 tons, June 29, 1973; minimum daily, 1 ton, Aug. 29, 1957.

EXTREMES FOR CURRENT PERIOD.--October to August:

WATER TEMPERATURES: Maximum recorded, 29.0°C, Aug. 7, but may have been higher during period of instrument malfunction; minimum, 0.0°C on many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)
OCT												
16...	1530	ENVIRONMENTAL	1840	754	102	10.6	7.2	75	12.0	13.3	23	6.82
NOV												
07...	1020	ENVIRONMENTAL	1490	756	109	13.1	7.1	82	7.5	7.0	24	7.10
JAN												
17...	1300	ENVIRONMENTAL	2020	755	105	15.0	7.5	82	4.0	.6	22	6.55
FEB												
14...	1230	ENVIRONMENTAL	3410	752	77	11.0	7.2	108	4.0	.4	24	7.36
MAR												
08...	1229	FIELD BLANK	--	--	--	--	--	--	--	--	--	--
08...	1230	ENVIRONMENTAL	2490	754	109	14.9	7.5	97	6.0	2.1	22	6.81
08...	1231	SPLIT REPLICATE	--	--	--	--	--	--	--	--	23	7.03
31...	1310	ENVIRONMENTAL	24600	744	104	13.9	6.9	75	8.0	2.3	17	5.12
MAY												
10...	1030	ENVIRONMENTAL	1550	757	94	9.0	7.0	93	17.5	17.4	24	7.30
JUN												
04...	1220	ENVIRONMENTAL	6590	751	103	10.0	7.2	72	20.0	15.9	20	6.14
25...	1310	ENVIRONMENTAL	2210	755	112	9.6	7.6	81	27.0	22.5	22	6.60
AUG												
23...	0900	ENVIRONMENTAL	1890	755	106	9.1	7.2	95	20.2	22.3	25	7.13

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
	OCT 16...	1.37	.81	5.1	--	--	7.8	<.2	.9	6.8	.18	.31	<.041
NOV 07...	1.41	.83	5.1	18	22	7.7	<.2	.5	7.2	.12	.15	<.041	.23
JAN 17...	1.34	.70	5.2	11	14	9.1	<.2	3.2	7.4	.12	.11	<.041	.49
FEB 14...	1.35	.87	8.9	--	--	16.0	<.2	3.1	7.4	.12	.17	<.041	.53
MAR 08...	--	--	--	--	--	--	--	--	--	E.06	<.08	<.041	--
08...	1.27	.69	7.8	11	13	13.5	<.2	1.9	7.6	.13	.20	<.041	.39
08...	1.31	.72	8.0	--	--	13.7	E.1	2.0	7.7	.11	.19	<.041	.37
31...	.997	.86	5.6	7	8	9.5	<.2	2.5	6.5	.20	.59	.041	.98
MAY 10...	1.42	.88	6.8	14	17	12.0	<.2	.8	7.6	.19	.23	<.041	.46
JUN 04...	1.25	.67	5.3	12	15	8.5	<.2	2.5	6.3	.19	.32	<.040	.49
25...	1.34	.58	6.6	12	15	10.8	<.2	1.9	6.2	.19	.24	E.026	.33
AUG 23...	1.65	.96	6.8	16	20	13.3	<.2	1.3	7.4	.17	.24	<.040	.41
DATE	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, PAR TICULATE WAT FLT SUSP (MG/L AS N) (49570)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, INOR- GANIC, PARTIC. TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
OCT 16...	.24	.068	<.006	--	--	E.004	<.018	.006	--	--	2.4	--	47
NOV 07...	.20	.076	<.006	--	--	<.006	<.018	.005	--	--	2.0	<.2	45
JAN 17...	.49	.377	<.006	--	<.022	.007	<.018	.010	.1	--	1.9	--	48
FEB 14...	.48	.360	<.006	--	.054	.007	<.018	.015	.4	--	2.3	--	65
MAR 08...	--	<.047	<.006	--	--	<.006	<.018	.004	--	--	--	--	--
08...	.32	.189	<.006	--	.026	E.005	<.018	.012	.4	<.1	2.3	.3	57
08...	.30	.187	<.006	--	--	E.004	<.018	.012	--	--	--	--	55
31...	.59	.394	E.003	.55	.377	.010	<.018	.149	3.7	<.1	2.9	3.6	48
MAY 10...	.42	.228	.008	--	.042	.008	<.018	.016	.4	M	2.1	E.4	59
JUN 04...	.37	.177	<.006	--	.155	.011	<.020	.041	1.2	<.1	3.2	1.2	43
25...	.29	.093	.018	--	.203	.014	<.020	.021	.8	<.1	4.8	.7	46
AUG 23...	.34	.174	E.003	--	.037	E.005	<.020	.012	.5	<.1	2.0	.5	57
DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SEDI- MENT, SUS- PENDE (MG/L) (80154)						
OCT 16...	41	<2.0	E7	20	5.2	6.0	1						
NOV 07...	41	<2.0	E10	20	4.5	--	<1						
JAN 17...	42	<2.0	<13	20	3.3	6.5	1						
FEB 14...	54	2.8	E9	50	11.0	42	5						
MAR 08...	--	--	--	--	--	--	--						
08...	47	<2.0	E11	30	9.2	--	<1						
08...	--	--	E10	30	8.7	--	<1						
31...	38	54	E8	40	25.9	3790	57						
MAY 10...	46	<2.0	E8	30	13.4	--	<1						
JUN 04...	39	11	<13	60	7.2	240	14						
25...	42	<2.0	E8	80	11.5	18	3						
AUG 23...	49	<2.0	E9	30	5.4	6.1	1						

E Estimated value.

M Presence of material verified but not quantified.

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES.--Selected samples were analyzed for volatile organic compounds (VOCs) on schedule 2020/2021. Only VOCs identified by the analyses in one or more samples are listed in the following table.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	1,1,1-TRI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ACETONE WATER WHOLE	1,2,3-TRI-CHLORO BENZENE WAT, WH	BENZENE 1,2,4-TRI-CHLORO-CHLORO-WAT UNF	BENZENE 124-TRI-METHYL UNFILT RECOVER	BENZENE 135-TRI-METHYL WATER UNFLTRD REC	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC	ISO-PROPYL-BENZENE WATER WHOLE	BENZENE O-DI-CHLORO-WATER UNFLTRD REC
		TOTAL (UG/L) (34506)	TOTAL (UG/L) (34496)	TOTAL (UG/L) (34501)	TOTAL (UG/L) (81552)	REC (UG/L) (77613)	REC (UG/L) (34551)	(UG/L) (77222)	(UG/L) (77226)	(UG/L) (34566)	(UG/L) (34571)	(UG/L) (77223)	(UG/L) (34536)
OCT 16...	1530	<.03	<.04	<.04	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03
DATE	BENZENE TOTAL (UG/L) (34030)	BROMO-FORM TOTAL (UG/L) (32104)	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHYLENE WATER TOTAL (UG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)
		TOTAL (UG/L) (32104)	TOTAL (UG/L) (77041)	TOTAL (UG/L) (34301)	TOTAL (UG/L) (32105)	TOTAL (UG/L) (32106)	TOTAL (UG/L) (77093)	TOTAL (UG/L) (32101)	TOTAL (UG/L) (34668)	TOTAL (UG/L) (81576)	TOTAL (UG/L) (50005)	TOTAL (UG/L) (34371)	TOTAL (UG/L) (77652)
OCT 16...	<.04	<.06	<.07	<.03	<.2	<.02	<.04	<.05	<.3	<.2	<.1	<.03	<.06
DATE	FURAN, TETRA-HYDRO-WATER UNFLTRD RECOVER (UG/L) (81607)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL-CHLORIDE RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLORIDE RIDE TOTAL (UG/L) (34423)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)	TETRA-CHLORO-ETHYLENE TOTAL (UG/L) (34475)	TOLUENE ENE TOTAL (UG/L) (34010)	TRI-CHLORO-ETHYLENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	
	TOTAL (UG/L) (81607)	TOTAL (UG/L) (78032)	TOTAL (UG/L) (34418)	TOTAL (UG/L) (34423)	TOTAL (UG/L) (85795)	TOTAL (UG/L) (77275)	TOTAL (UG/L) (77135)	TOTAL (UG/L) (77356)	TOTAL (UG/L) (34475)	TOTAL (UG/L) (34010)	TOTAL (UG/L) (39180)	TOTAL (UG/L) (34488)	
OCT 16...	<2	<.2	<.2	<.2	<.06	<.03	<.04	<.07	<.1	E.01	<.04	<.09	

WATER-COLUMN PESTICIDE ANALYSES.--Selected samples were analyzed for pesticides using laboratory schedule 2001. Only pesticides identified by the analyses in one or more samples at any study site (NY, NJ, or PA) are listed in the following tables.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, SOLVED (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)
OCT 16...	1530	<.004	<.002	<.005	E.004	<.010	<.041	<.020	<.005	<.018	<.003	E.003	<.005
FEB 14...	1230	<.004	<.004	<.005	E.003	<.010	<.041	<.020	<.005	<.018	<.003	E.003	<.005
MAR 31...	1310	<.004	<.002	<.005	E.002	<.010	<.041	<.020	<.005	<.018	<.003	E.002	<.005
MAY 10...	1030	<.004	<.002	<.005	E.007	<.010	<.041	<.020	<.005	<.018	<.003	E.003	<.005
JUN 04...	1220	<.004	<.002	<.005	.020	<.010	E.005	<.020	<.005	<.018	<.003	E.005	<.005
JUN 25...	1310	<.004	<.002	<.005	.011	<.010	E.039	<.020	<.005	<.018	<.003	<.006	<.005
AUG 23...	0900	<.004	<.002	<.005	E.004	<.010	<.041	<.020	<.005	<.018	<.003	E.004	<.005

E Estimated value.

DELAWARE RIVER BASIN
01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	EPTC WATER FLTRD 0.7 U GF, REC (82668)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (82686)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (82683)	PRO- METON, WATER, DISS, REC (UG/L) (04037)
OCT 16...	<.005	<.002	<.004	<.035	<.027	<.050	E.003	<.006	<.002	<.007	<.003	<.010	<.015
FEB 14...	<.005	<.002	<.004	<.035	<.027	<.050	E.003	<.006	<.002	<.007	<.003	<.010	<.015
MAR 31...	<.005	<.002	<.004	<.035	<.027	<.050	E.001	<.006	<.002	<.007	<.003	<.010	<.015
MAY 10...	<.005	<.002	<.004	<.035	<.027	<.050	E.006	<.006	<.002	<.007	<.003	<.010	<.015
JUN 04...	<.005	<.002	<.004	<.035	<.027	<.050	E.009	<.006	<.002	<.007	<.003	<.010	<.015
25...	<.005	<.002	<.004	<.035	<.027	<.050	E.005	<.006	<.002	<.007	<.003	<.010	<.015
AUG 23...	<.005	<.002	<.004	<.035	<.027	<.050	E.002	<.006	<.002	<.007	<.003	<.010	<.015

DATE	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (82665)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (82681)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (82661)
OCT 16...	<.011	<.016	<.034	<.005	<.009
FEB 14...	E.003	<.016	<.034	<.005	<.009
MAR 31...	<.011	<.016	<.034	<.005	<.009
MAY 10...	E.003	<.016	<.034	<.005	<.009
JUN 04...	E.003	<.016	<.034	<.005	<.009
25...	E.009	E.004	<.034	<.005	<.009
AUG 23...	<.011	<.016	<.034	<.005	<.009

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	16.5	14.0	15.5	9.0	7.0	8.0	3.5	2.5	3.0	.0	.0	.0
2	16.5	15.0	16.0	9.0	7.0	8.0	2.5	1.0	2.0	.0	.0	.0
3	17.5	15.5	16.5	9.5	7.0	8.5	1.0	.0	.5	.0	.0	.0
4	17.5	15.5	16.5	9.5	8.5	9.0	1.0	.0	.5	.0	.0	.0
5	17.0	15.5	16.0	9.0	8.0	8.5	1.0	.0	.5	.0	.0	.0
6	16.0	15.0	15.5	8.5	7.0	7.5	.5	.0	.0	.0	.0	.0
7	15.5	14.0	15.0	8.0	6.5	7.5	.5	.0	.0	.0	.0	.0
8	14.0	11.0	12.5	8.0	6.5	7.5	.0	.0	.0	.5	.0	.0
9	11.0	9.5	10.0	8.5	8.0	8.5	.5	.0	.0	.5	.0	.0
10	10.0	8.5	9.5	9.5	8.5	9.0	.0	.0	.0	.5	.0	.0
11	10.5	8.5	9.5	9.5	9.0	9.0	1.0	.0	.5	.5	.0	.0
12	11.5	9.0	10.5	9.0	8.5	9.0	1.0	.0	1.0	.5	.0	.0
13	12.0	10.0	11.0	8.5	8.0	8.5	.5	.0	.0	.5	.0	.0
14	13.5	11.5	12.5	8.5	8.0	8.5	.5	.0	.0	.5	.0	.0
15	14.5	12.0	13.5	8.0	6.0	7.0	1.0	.0	.5	.5	.0	.5
16	---	---	---	6.5	5.5	6.0	1.0	.0	.5	.5	.0	.5
17	13.0	12.5	12.5	6.5	5.5	6.0	4.0	.5	1.5	.5	.5	.5
18	13.0	12.5	12.5	5.5	4.5	5.0	2.0	.5	1.5	.5	.0	.5
19	12.5	11.5	12.0	5.0	3.5	4.5	1.5	1.0	1.0	1.0	.0	.5
20	12.0	10.5	11.0	4.5	2.5	3.5	1.0	.5	.5	1.0	.0	.5
21	12.5	11.0	11.5	3.5	2.0	3.0	.5	.0	.5	.5	.0	.0
22	12.5	11.0	12.0	3.0	1.0	2.0	1.0	.0	.5	.5	.0	.0
23	12.0	10.0	11.0	1.5	.0	.5	.0	.0	.0	.5	.0	.0
24	12.0	10.0	11.0	.5	.0	.0	.0	.0	.0	.5	.0	.0
25	13.0	10.5	12.0	.5	.0	.5	.0	.0	.0	.5	.0	.0
26	13.5	11.0	12.5	2.0	.5	1.5	.0	.0	.0	.5	.0	.0
27	13.5	11.5	12.5	2.5	1.5	2.0	.0	.0	.0	.5	.0	.0
28	13.0	11.0	12.0	3.0	2.0	2.5	.0	.0	.0	1.0	.0	.0
29	11.0	8.5	9.5	3.5	2.5	3.0	.0	.0	.0	.5	.0	.0
30	9.0	7.5	8.0	4.0	3.0	3.5	.0	.0	.0	.5	.0	.5
31	8.5	6.5	8.0	---	---	---	.0	.0	.0	1.5	.5	.5
MONTH	17.5	6.5	12.3	9.5	.0	5.6	4.0	.0	.5	1.5	.0	.1

E Estimated value.

DELAWARE RIVER BASIN

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01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.5	.0	.5	1.0	.0	.5	3.0	2.5	2.5	16.0	13.5	14.5
2	1.0	.0	.5	1.5	.0	.5	3.5	3.0	3.0	17.5	14.5	16.0
3	.5	.0	.0	3.0	1.0	1.5	4.5	3.0	4.0	18.5	16.5	17.5
4	.5	.0	.0	2.0	.5	1.0	5.5	3.5	4.5	20.5	16.5	18.5
5	.0	.0	.0	.5	.0	.0	6.5	4.5	5.5	20.0	17.0	18.5
6	.5	.0	.0	1.0	.0	.5	6.0	5.0	5.5	18.5	15.5	17.0
7	1.0	.0	.5	3.5	.5	1.5	5.0	4.5	5.0	18.0	15.5	16.5
8	.5	.0	.5	3.0	.5	2.0	5.0	4.5	5.0	17.5	15.0	16.5
9	1.5	.0	.5	2.0	1.0	1.5	6.5	4.5	5.5	17.5	16.0	16.5
10	2.0	.0	1.0	3.0	.5	2.0	7.0	6.5	7.0	20.0	16.0	18.0
11	.5	.0	.0	2.5	.5	1.5	6.5	6.0	6.0	20.5	17.5	19.0
12	.5	.0	.0	3.5	.5	2.0	6.5	5.5	6.0	21.0	18.0	19.5
13	1.5	.0	.5	3.0	2.0	2.5	8.0	6.0	7.0	19.5	17.5	18.5
14	.5	.0	.5	3.0	1.5	2.0	8.5	7.0	8.0	18.0	16.5	17.5
15	1.0	.0	.5	3.0	1.0	2.0	8.5	7.0	8.0	18.0	15.5	17.0
16	.5	.0	.0	3.5	1.5	2.5	8.5	7.5	8.0	17.5	15.5	16.5
17	1.0	.0	.5	3.5	2.0	2.5	8.0	7.5	7.5	17.0	16.0	16.5
18	1.0	.0	.0	3.5	1.5	2.5	8.0	6.5	7.0	16.0	15.0	15.5
19	1.5	.0	.5	4.0	1.5	2.5	8.0	6.0	7.0	19.0	15.0	17.0
20	1.5	.0	1.0	4.5	2.0	3.0	8.0	6.5	7.5	18.5	17.0	18.0
21	2.0	.0	1.0	3.0	2.0	2.5	9.5	7.5	8.5	18.0	16.5	17.0
22	.5	.0	.0	2.5	2.0	2.0	12.5	9.0	10.5	16.5	16.0	16.0
23	1.0	.0	.5	3.5	1.5	2.5	15.0	12.0	13.5	16.0	15.5	16.0
24	1.5	.0	.5	3.5	2.5	3.0	15.5	14.0	15.0	18.0	15.5	17.0
25	1.0	.0	.5	3.5	2.0	3.0	15.0	13.0	13.5	18.0	16.5	17.0
26	1.5	.5	1.0	3.0	2.0	2.5	13.0	11.0	12.5	16.5	15.5	16.0
27	2.0	.0	1.0	3.0	1.0	2.0	13.0	11.5	12.5	16.0	15.0	15.5
28	1.5	.0	1.0	3.5	1.5	2.5	13.5	11.5	12.5	17.5	15.5	16.5
29	---	---	---	3.5	2.5	3.0	14.5	11.0	12.5	18.0	16.0	17.0
30	---	---	---	3.0	2.5	3.0	14.5	11.0	13.0	17.5	16.0	16.5
31	---	---	---	2.5	2.0	2.5	---	---	---	17.5	14.5	16.0
MONTH	2.0	.0	.4	4.5	.0	2.0	15.5	2.5	8.1	21.0	13.5	16.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	17.0	14.5	16.0	---	---	---	25.5	22.5	24.0	---	---	---
2	17.0	15.0	16.0	---	---	---	26.5	23.5	25.0	---	---	---
3	16.5	15.5	16.0	---	---	---	26.5	24.0	25.5	---	---	---
4	16.5	15.5	16.0	---	---	---	26.0	24.0	25.0	---	---	---
5	17.0	15.0	16.5	23.5	21.0	22.5	27.0	24.0	25.5	---	---	---
6	18.5	16.5	17.5	23.0	20.5	22.0	28.0	25.5	27.0	---	---	---
7	19.5	17.0	18.5	23.5	20.0	21.5	29.0	26.0	27.5	---	---	---
8	21.0	17.5	19.0	21.5	20.5	21.0	28.5	25.0	26.5	---	---	---
9	21.5	18.0	19.5	25.5	21.0	23.0	27.5	24.0	26.0	---	---	---
10	21.5	18.5	20.0	26.0	23.0	24.0	26.5	25.0	26.0	---	---	---
11	21.0	19.5	20.0	25.5	22.5	24.0	25.5	24.0	25.0	---	---	---
12	22.0	19.0	20.5	24.5	22.0	23.0	24.5	23.5	24.0	---	---	---
13	24.0	21.0	22.0	22.0	20.5	21.5	25.5	23.5	24.5	---	---	---
14	26.0	21.5	23.5	22.0	20.0	21.0	25.5	23.5	24.5	---	---	---
15	27.0	23.5	25.0	23.0	19.5	21.5	25.5	23.5	24.5	---	---	---
16	26.0	23.0	24.5	25.0	21.5	23.0	25.0	23.0	24.5	---	---	---
17	23.5	22.5	23.0	24.5	23.0	23.5	24.5	23.5	24.0	---	---	---
18	23.0	21.0	22.5	25.5	22.0	23.5	24.5	22.5	23.5	---	---	---
19	24.5	22.0	23.0	25.0	23.0	24.0	24.5	22.5	23.5	---	---	---
20	25.5	22.5	24.0	25.5	22.5	24.0	25.0	23.5	24.0	---	---	---
21	23.5	21.0	22.5	26.0	22.5	24.0	24.5	23.0	24.0	---	---	---
22	22.5	21.0	21.5	26.0	23.5	24.5	24.5	22.5	23.5	---	---	---
23	21.5	20.0	21.0	27.5	24.5	26.0	---	---	---	---	---	---
24	23.0	20.0	21.0	28.0	25.0	26.0	---	---	---	---	---	---
25	---	---	---	28.0	24.5	26.0	---	---	---	---	---	---
26	---	---	---	25.5	24.0	24.5	---	---	---	---	---	---
27	---	---	---	25.5	22.5	24.0	---	---	---	---	---	---
28	---	---	---	25.0	22.0	23.5	---	---	---	---	---	---
29	---	---	---	24.0	22.0	23.0	---	---	---	---	---	---
30	---	---	---	24.5	22.5	23.5	---	---	---	---	---	---
31	---	---	---	25.0	22.5	24.0	---	---	---	---	---	---
MONTH	27.0	14.5	20.4	28.0	19.5	23.4	29.0	22.5	24.9	---	---	---

DELAWARE RIVER BASIN

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 mi²

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 sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges and those above 300 ft³/s, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft³/s, Sept. 16, 1999, gage height, 6.96 ft, from rating curve extended above 150 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 2.0 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1315	a*2,700	*6.67	No other peak greater than base discharge.			

a From rating curve extended as explained above.

Minimum discharge, 2.2 ft³/s, Sept. 13, 19, 20, gage height, 1.33 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	11	15	e17	9.2	e9.0	14	33	23	22	5.1	3.9
2	14	10	15	e16	8.6	8.9	13	34	101	17	4.9	3.0
3	13	10	e15	e15	8.6	8.9	12	32	78	14	5.0	2.8
4	13	9.8	e14	e15	e8.4	8.7	13	29	53	14	9.3	4.6
5	15	9.7	14	e14	e7.8	8.7	15	27	39	14	6.7	4.0
6	34	9.4	e13	14	e7.6	9.0	18	24	33	13	5.3	3.0
7	19	9.1	e13	14	7.3	8.6	36	22	28	12	4.7	2.7
8	15	8.9	e13	13	7.0	8.3	37	20	25	13	4.5	2.5
9	14	8.7	e12	13	8.7	8.5	110	19	23	13	4.2	2.5
10	13	23	e12	e12	15	8.3	181	18	20	11	4.3	3.7
11	13	21	12	12	23	8.1	123	17	21	11	4.3	3.6
12	12	15	e12	12	e13	8.0	197	16	20	10	6.9	2.7
13	12	13	e11	11	e9.6	12	324	15	17	10	5.7	2.6
14	11	23	e12	11	e10	11	189	14	15	9.8	5.5	7.0
15	11	26	11	11	12	9.6	132	14	14	9.4	5.6	4.1
16	12	18	16	10	9.7	9.7	106	14	15	8.9	4.4	3.2
17	12	16	673	10	9.4	9.5	83	13	139	9.3	4.8	2.7
18	29	15	132	10	e9.2	9.1	69	13	38	8.8	4.4	2.5
19	26	14	61	10	e9.0	8.9	59	12	26	8.2	4.0	2.4
20	17	14	47	9.9	8.9	9.2	57	11	23	7.8	4.5	13
21	15	14	e38	9.4	e8.8	9.8	76	11	22	7.4	4.3	42
22	14	13	e33	9.4	e8.4	33	172	34	21	7.1	3.8	9.5
23	13	13	e31	e9.2	e8.2	17	152	124	24	6.8	3.7	5.5
24	13	e12	e28	9.1	e7.8	13	135	85	28	6.7	3.6	4.4
25	13	e12	e26	8.5	e8.6	12	84	37	21	6.2	3.4	133
26	12	25	e24	8.4	16	e12	57	33	18	8.2	3.3	25
27	12	26	e22	8.0	10	e12	47	54	16	6.6	3.3	13
28	11	19	e21	7.8	8.9	e11	43	45	15	6.0	3.4	11
29	11	17	e20	7.5	---	11	37	37	15	5.8	3.3	14
30	11	17	e19	17	---	25	33	30	17	5.7	3.1	11
31	11	---	e18	13	---	18	---	25	---	5.4	3.2	---
TOTAL	455	452.6	1403	357.2	278.7	355.8	2624	912	948	308.1	142.5	344.9
MEAN	14.7	15.1	45.3	11.5	9.95	11.5	87.5	29.4	31.6	9.94	4.60	11.5
MAX	34	26	673	17	23	33	324	124	139	22	9.3	133
MIN	11	8.7	11	7.5	7.0	8.0	12	11	14	5.4	3.1	2.4
CFSM	1.64	1.69	5.07	1.29	1.11	1.29	9.79	3.29	3.54	1.11	.51	1.29
IN.	1.90	1.89	5.84	1.49	1.16	1.48	10.93	3.80	3.95	1.28	.59	1.44

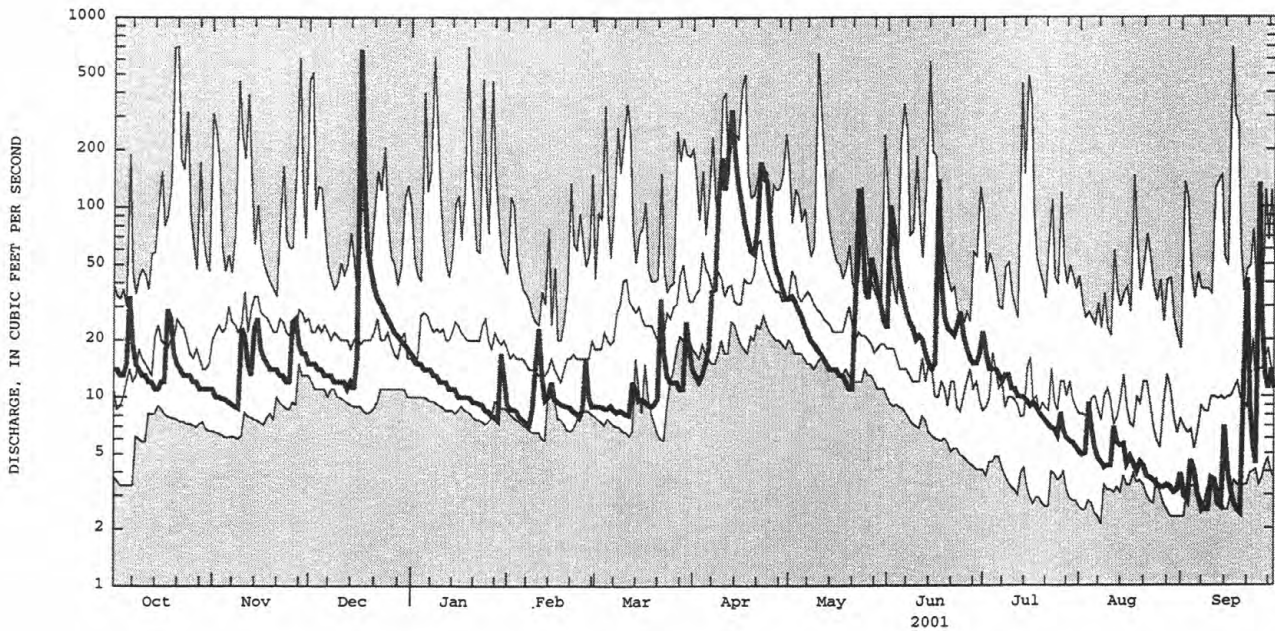
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

	MEAN	28.4	36.1	33.0	36.0	18.9	37.8	64.9	34.6	26.5	19.9	12.1	20.2
MAX	69.7	58.7	79.8	72.6	37.0	63.7	139	78.7	63.7	63.0	28.5	56.9	
(WY)	1996	1996	1997	1996	1996	1998	1993	1998	1998	1996	1994	1999	
MIN	10.0	11.7	11.8	11.5	9.95	11.5	21.6	15.0	6.52	3.90	3.55	4.35	
(WY)	1998	1999	1999	2001	2001	2001	1995	1995	1991	1991	1993	1998	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1991 - 2001
ANNUAL TOTAL	12339.4	8581.8	
ANNUAL MEAN	33.7	23.5	30.7
HIGHEST ANNUAL MEAN			47.1
LOWEST ANNUAL MEAN			19.4
HIGHEST DAILY MEAN	673	673	701
LOWEST DAILY MEAN	5.9	2.4	2.1
ANNUAL SEVEN-DAY MINIMUM	6.4	2.9	2.4
ANNUAL RUNOFF (CFSM)	3.78	2.63	3.44
ANNUAL RUNOFF (INCHES)	51.40	35.75	46.75
10 PERCENT EXCEEDS	52	38	56
50 PERCENT EXCEEDS	22	13	18
90 PERCENT EXCEEDS	10	4.5	5.8

e Estimated

0143400680 EAST BRANCH NEVERSINK RIVER NORTHEAST OF DENNING, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

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 mi².

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,740 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,240 ft³/s, Jan. 19, 1996, gage height, 11.25 ft; minimum, 5.7 ft³/s, Sept. 5, 1999; minimum gage height, 5.33 ft, Aug. 9, 1991, Sept. 9, 10, 19, 20, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1500	*2,800	*10.81	June 17	0045	1,450	9.19

Minimum discharge, 6.3 ft³/s, Sept. 9, 10, 19, 20, gage height, 5.33 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	28	39	e43	e27	e36	55	57	40	63	14	11
2	33	27	38	e40	e22	e26	49	57	187	47	14	8.4
3	31	27	e37	e38	e21	e26	46	54	153	38	13	7.6
4	31	26	e36	e38	e20	e26	47	51	107	36	29	10
5	38	25	e35	e37	e19	e26	55	47	78	38	21	11
6	93	25	e34	e36	e20	e26	67	43	64	33	16	8.2
7	49	24	e33	e35	e21	e25	109	40	55	31	14	7.4
8	39	24	e33	e33	e20	e25	134	38	48	35	13	6.8
9	35	24	e30	e32	e22	25	285	36	44	47	12	6.5
10	34	61	e30	e30	e31	24	497	34	40	34	12	9.2
11	32	48	e29	e28	e37	e24	350	32	40	32	12	11
12	31	36	e30	e27	e33	e26	422	30	43	28	17	7.7
13	29	32	e28	e26	e26	33	578	29	34	27	16	7.0
14	29	53	e30	e25	e28	39	383	27	31	26	15	18
15	28	63	e28	e25	e30	29	274	26	29	25	17	12
16	29	45	e39	e24	e25	30	221	25	40	24	13	8.8
17	30	42	1090	e23	e24	30	174	25	531	24	13	7.6
18	79	39	337	e23	e24	29	141	26	123	24	13	7.0
19	67	38	157	e22	e23	28	119	25	80	22	11	6.5
20	46	36	115	e22	e22	29	108	23	66	21	11	32
21	42	35	e96	e21	e22	33	123	22	62	20	12	99
22	39	34	e80	e21	e30	82	209	43	57	19	10	27
23	37	33	e76	e20	e21	54	198	151	63	18	9.7	16
24	36	e33	e72	e20	e20	44	177	116	75	17	9.8	13
25	35	e34	e66	e19	e22	e39	126	56	54	17	8.8	202
26	34	59	e62	e19	e46	e38	92	51	47	22	8.5	62
27	33	62	e56	e18	e30	e37	80	93	43	19	8.6	33
28	32	47	e52	e18	e26	e36	72	72	39	17	8.7	26
29	31	42	e50	e17	---	e33	65	62	38	16	8.9	28
30	30	42	e47	e42	---	90	59	51	41	16	8.0	23
31	29	---	e46	e33	---	72	---	44	---	15	8.4	---
TOTAL	1195	1144	2931	855	712	1120	5315	1486	2352	851	397.4	732.7
MEAN	38.5	38.1	94.5	27.6	25.4	36.1	177	47.9	78.4	27.5	12.8	24.4
MAX	93	63	1090	43	46	90	578	151	531	63	29	202
MIN	28	24	28	17	19	24	46	22	29	15	8.0	6.5
CFSM	1.68	1.67	4.13	1.20	1.11	1.58	7.74	2.09	3.42	1.20	.56	1.07
IN.	1.94	1.86	4.76	1.39	1.16	1.82	8.63	2.41	3.82	1.38	.65	1.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

MEAN	56.2	79.8	74.1	86.1	47.6	89.0	149	74.8	62.9	44.7	26.5	39.5
MAX	134	134	181	159	86.9	137	301	143	135	137	59.5	97.4
(WY)	1996	1996	1997	1996	1996	1998	1993	1998	1998	1996	1994	1999
MIN	16.8	22.5	23.7	27.6	25.4	36.1	55.2	36.0	23.9	9.71	8.86	8.46
(WY)	1998	1999	1999	2001	2001	2001	1995	1995	1999	1991	1993	1998

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

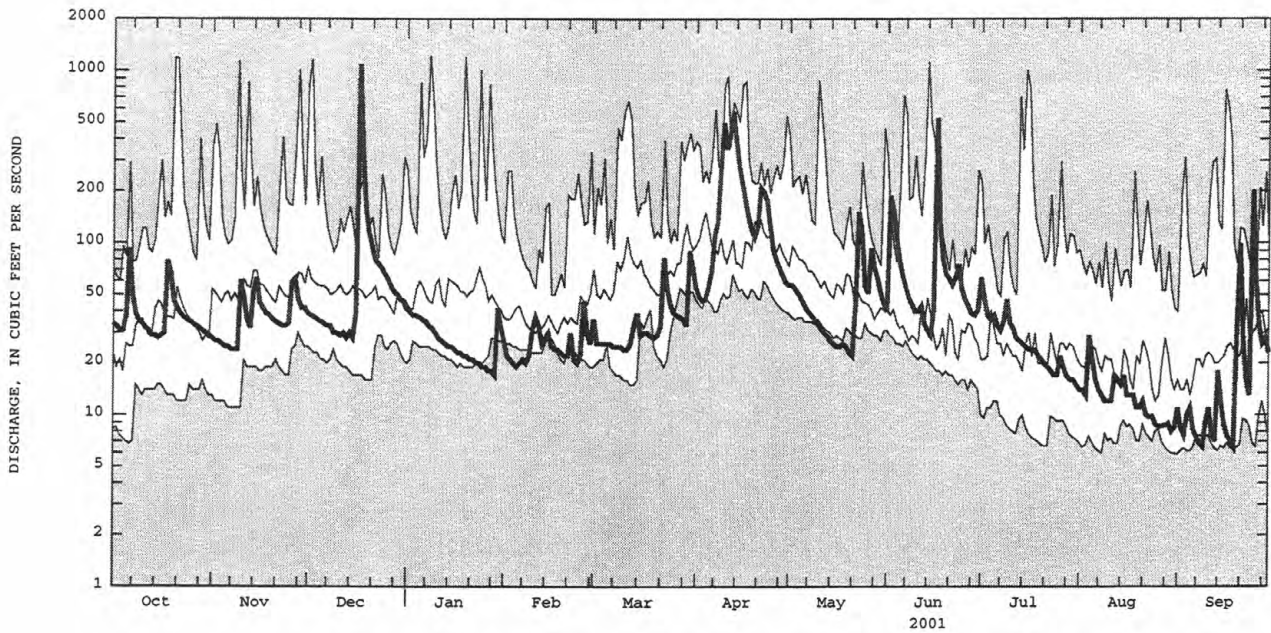
FOR 2001 WATER YEAR

WATER YEARS 1991 - 2001

ANNUAL TOTAL	29486	19091.1	
ANNUAL MEAN	80.6	52.3	69.9
HIGHEST ANNUAL MEAN			101
LOWEST ANNUAL MEAN			47.7
HIGHEST DAILY MEAN	1090	1090	1220
LOWEST DAILY MEAN	23	6.5	5.9
ANNUAL SEVEN-DAY MINIMUM	23	7.9	6.3
ANNUAL RUNOFF (CFSM)	3.52	2.28	3.05
ANNUAL RUNOFF (INCHES)	47.90	31.01	41.45
10 PERCENT EXCEEDS	134	91	129
50 PERCENT EXCEEDS	56	32	42
90 PERCENT EXCEEDS	29	13	13

e Estimated

01434017 EAST BRANCH NEVERSINK RIVER NEAR CLARYVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

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 mi².

PERIOD OF RECORD.--January 1991 to current year.

REVISED RECORDS.--WDR NY-94-1: 1992-93(P).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,680 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges and those above 60 ft³/s, which are poor. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 212 ft³/s, Sept. 16, 1999, gage height, 3.30 ft; minimum, 0.05 ft³/s, Aug. 6, 7, 8, 1991, gage height, 0.93 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 35 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1415	*182	*2.96	Apr. 22	1630	37	1.66
Apr. 12	1730	49	1.74	Sept. 25	0530	60	1.82

Minimum discharge, 0.07 ft³/s, Sept. 6, 7, 8, 9; minimum gage height, 1.08 ft, Jan. 28, 29, 30, Feb. 2, 3, 9, Aug. 25, Sept. 3, 6, 7, 8, 9.

REVISIONS.--Revised maximum, daily, monthly, and yearly discharges for the 2000 water year and statistical summaries for period of record through the 2000 water year are given below. These figures supercede those published in the report for 2000.

Peak discharges above base of 35 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 2	2145	*100	2.10	Feb. 14	1200	ice jam	*2.58

NOTE: Other peaks above base for water year 2000 remain as published.

Daily discharge: Feb. 14, about 2.5 ft³/s

MONTH	TOTAL	MEAN	MAX	MIN	CFSM	IN.
February 2000	44.17	1.52	16	0.30	1.98	2.13

Statistics of monthly mean data for water years 1991-2000

MONTH	MEAN	MAX (WY)
February	1.18	2.20 (1996)

SUMMARY STATISTICS

FOR 2000 WATER YEAR

WATER YEARS 1991 - 2000

ANNUAL TOTAL	967.07	
ANNUAL MEAN	2.64	2.57
HIGHEST ANNUAL MEAN		3.83
LOWEST ANNUAL MEAN		1.47
HIGHEST DAILY MEAN	34	76
LOWEST DAILY MEAN	.30	.07
ANNUAL SEVEN-DAY MINIMUM	.34	.08
ANNUAL RUNOFF (CFSM)	3.43	3.33
ANNUAL RUNOFF (INCHES)	46.72	45.31
10 PERCENT EXCEEDS	4.2	5.1
50 PERCENT EXCEEDS	1.7	1.2
90 PERCENT EXCEEDS	.69	.31

DELAWARE RIVER BASIN

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01434021 WEST BRANCH NEVERSINK RIVER AT WINNISOOK LAKE NEAR FROST VALLEY, NY--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.83	.75	.98	1.1	.51	.76	.78	2.2	1.8	1.6	.25	.14
2	.78	.75	e.98	1.0	.50	.74	.76	3.0	5.6	1.4	.25	.10
3	.76	.75	e.96	.91	e.49	.73	.72	3.2	6.3	1.2	.45	.10
4	.80	.75	e.94	.90	e.48	.68	.73	2.7	4.2	1.3	.51	.13
5	1.0	.72	e.90	.90	e.48	.70	.82	2.2	2.9	1.2	.33	.10
6	2.0	.65	e.88	.82	e.48	.69	.95	1.7	2.4	1.0	.26	.08
7	1.4	.65	e.82	.78	e.48	.68	2.2	1.4	2.0	.96	.21	.08
8	1.2	.65	e.80	.78	e.48	.68	2.3	1.1	1.8	.97	.18	.08
9	1.1	.66	e.78	.78	e.56	.68	11	1.0	1.6	.87	.18	.08
10	1.1	1.0	e.78	.78	e1.6	.68	14	.87	1.4	.79	.24	.24
11	1.1	1.0	e.76	.78	e1.3	.68	8.4	.76	1.4	.80	.21	.12
12	1.1	1.0	e.78	.78	e1.1	.71	27	.68	1.2	.78	.48	.10
13	1.1	.92	e.72	.69	e.90	.85	34	.63	1.1	.77	.26	.16
14	1.1	1.4	e.70	.69	e.84	.78	12	.58	.96	.73	.22	.56
15	1.1	2.1	.71	.69	e.88	.74	6.2	.51	.85	.68	.20	.29
16	1.2	1.8	1.7	.68	e.90	.69	4.7	.50	.91	.65	.18	.23
17	1.1	1.6	59	.68	.81	.68	3.6	.43	11	.70	.18	.21
18	3.2	1.4	9.7	.60	.76	.68	2.8	.43	3.7	.63	.16	.20
19	2.6	1.3	3.9	.60	e.74	.68	2.3	.37	2.4	.57	.14	.21
20	1.7	1.2	2.8	.58	e.72	.70	2.2	.34	2.4	.54	.15	1.2
21	1.5	1.0	2.4	.59	e.72	.71	4.8	.31	2.3	.51	.14	4.1
22	1.3	.86	2.1	e.56	e.74	1.3	23	.64	2.1	.47	.13	1.2
23	1.2	.87	e1.9	e.54	e.76	.79	21	4.0	2.2	.43	.13	.86
24	1.1	1.3	e1.7	e.52	e.74	.78	22	3.7	2.7	.41	.13	.83
25	1.1	1.4	e1.6	e.50	e.88	.75	7.8	1.6	2.2	.40	.12	20
26	1.1	1.4	e1.4	.50	1.2	.69	3.9	1.3	1.9	.61	.12	3.1
27	.87	1.4	e1.3	.50	.80	.68	3.0	2.7	1.8	.41	.10	1.6
28	.92	1.2	e1.3	.49	.78	.68	2.6	2.9	1.7	.33	.11	1.2
29	.85	1.1	1.2	.43	---	.68	2.0	2.9	1.6	.29	.10	1.2
30	.80	1.1	1.2	1.0	---	.87	1.8	2.4	1.7	.29	.10	1.0
31	.75	---	e1.1	.65	---	.78	---	2.0	---	.26	.13	---
TOTAL	37.76	32.68	106.79	21.80	21.63	22.92	229.36	49.05	76.12	22.55	6.35	39.50
MEAN	1.22	1.09	3.44	.70	.77	.74	7.65	1.58	2.54	.73	.20	1.32
MAX	3.2	2.1	59	1.1	1.6	1.3	34	4.0	11	1.6	.51	.20
MIN	.75	.65	.70	.43	.48	.68	.72	.31	.85	.26	.10	.08
CFSM	1.58	1.41	4.47	.91	1.00	.96	9.93	2.05	3.30	.94	.27	1.71
IN.	1.82	1.58	5.16	1.05	1.04	1.11	11.08	2.37	3.68	1.09	.31	1.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

	MEAN	2.56	3.04	2.11	2.90	1.14	2.88	5.94	2.94	1.84	1.30	.78	1.69
MAX	5.97	4.88	5.85	5.65	2.20	4.91	12.1	7.69	4.32	4.59	2.03	5.79	
(WY)	1996	1996	1997	1998	1996	1998	1993	1998	1998	1996	1994	1999	
MIN	1.02	1.00	.67	.70	.51	.74	1.57	1.10	.34	.14	.18	.16	
(WY)	1994	1999	1998	2001	1992	2001	1995	1995	1991	1991	1993	1998	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

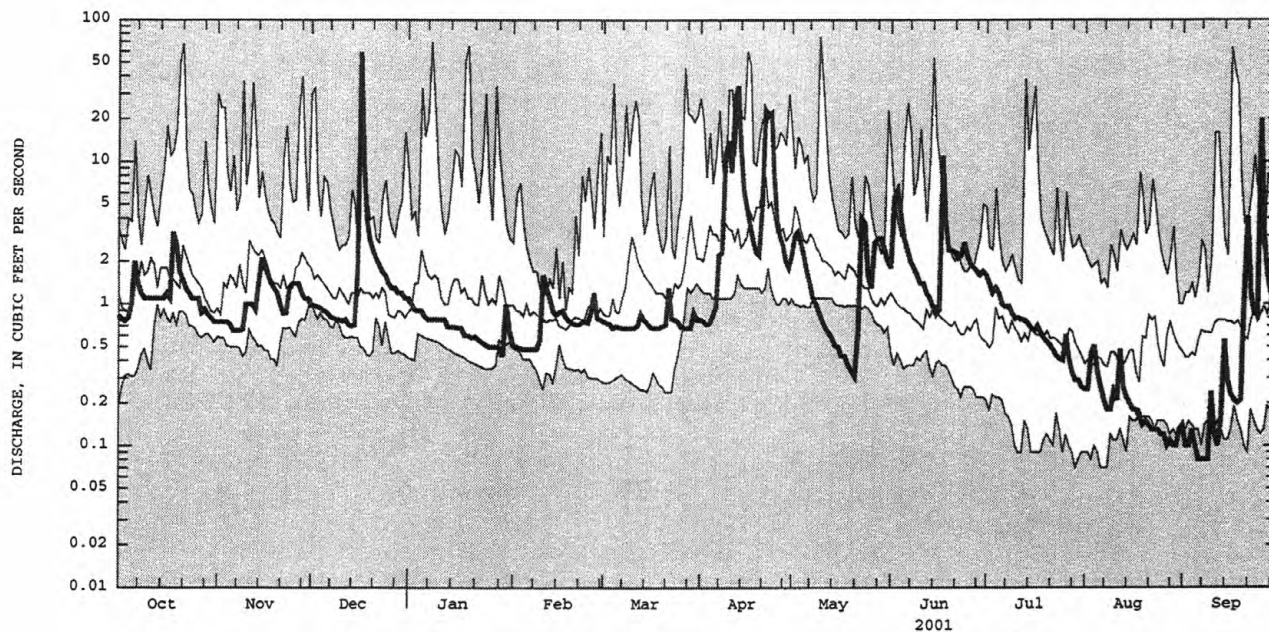
WATER YEARS 1991 - 2001

ANNUAL TOTAL	864.47	666.51		
ANNUAL MEAN	2.36	1.83	2.49	
HIGHEST ANNUAL MEAN			3.83	1996
LOWEST ANNUAL MEAN			1.47	1995
HIGHEST DAILY MEAN	59	Dec 17	76	May 10 1998
LOWEST DAILY MEAN	.30	Feb 13	.08	Sep 6
ANNUAL SEVEN-DAY MINIMUM	.34	Feb 7	.09	Sep 3
ANNUAL RUNOFF (CFSM)	3.07		2.37	
ANNUAL RUNOFF (INCHES)	41.76		32.20	44.00
10 PERCENT EXCEEDS	3.6		2.8	4.8
50 PERCENT EXCEEDS	1.3		.82	1.1
90 PERCENT EXCEEDS	.65		.22	.30

e Estimated

DELAWARE RIVER BASIN

01434021 WEST BRANCH NEVERSINK RIVER AT WINNISOOK LAKE NEAR FROST VALLEY, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01434025 BISCUIT BROOK ABOVE PIGEON BROOK AT FROST VALLEY, NY

LOCATION.--Lat 41°59'43", long 74°30'05", Ulster County, Hydrologic Unit 02040104, on right bank 0.2 mi upstream from Pigeon Brook, 0.6 mi upstream from mouth, and 0.8 mi northeast of Frost Valley. Water-quality sampling site at discharge station.

DRAINAGE AREA.--3.72 mi².

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 sea level, 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 ft³/s, Apr. 4, 1987, gage height, 4.37 ft, present datum; minimum discharge, 0.24 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1215	*610	*4.05	No other peak greater than base discharge.			

Minimum discharge, 0.48 ft³/s, Sept. 13, gage height, 0.47 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	4.4	6.0	4.8	3.0	e3.3	5.4	8.2	3.6	6.5	1.1	2.3
2	3.3	4.2	e5.8	4.5	2.8	3.3	5.0	7.6	29	4.4	1.0	.78
3	3.2	4.0	e5.6	4.3	e2.5	3.2	4.8	7.0	19	3.6	1.0	.66
4	3.3	3.9	e5.4	4.2	e2.6	3.1	5.6	6.4	13	3.5	1.8	1.2
5	5.4	3.9	e5.0	4.0	2.6	e3.0	7.4	5.8	9.3	3.5	1.3	.94
6	11	3.6	e4.6	3.9	2.6	e3.0	9.7	5.3	7.6	3.0	1.0	.67
7	5.8	3.5	e4.3	3.8	2.5	e2.9	21	5.0	6.5	2.8	.92	.59
8	4.9	3.4	e4.3	3.7	2.4	3.0	22	4.7	5.6	3.3	.87	.55
9	4.5	3.4	e4.2	3.5	3.4	3.1	59	4.5	4.9	3.5	.81	.54
10	4.4	7.8	e4.1	3.4	e5.2	3.0	86	4.1	4.4	2.6	.84	.73
11	4.2	6.3	e5.0	3.3	e3.5	2.9	64	3.9	6.1	2.5	.81	.77
12	4.0	4.8	e4.5	3.2	e3.8	2.9	80	3.7	6.1	2.4	3.1	.56
13	3.8	4.3	e3.9	3.1	3.6	5.3	113	3.5	4.2	2.3	1.3	.69
14	3.7	7.7	e3.9	3.1	4.0	4.5	74	3.3	3.7	2.3	1.0	2.4
15	3.6	7.8	e3.8	3.1	4.8	3.6	57	3.2	3.4	2.2	.89	.94
16	4.1	6.3	6.5	3.0	3.7	3.7	46	3.0	5.4	2.0	.83	.70
17	4.1	5.9	192	2.9	3.5	3.7	35	3.0	64	2.0	1.3	.61
18	15	5.5	56	2.8	e3.4	3.5	30	3.2	18	1.9	.99	.57
19	11	5.3	26	2.8	e3.3	3.5	26	3.0	10	1.8	.82	.53
20	8.0	5.2	18	2.7	e3.3	3.9	26	2.8	8.3	1.6	.88	7.4
21	7.3	5.0	e14	e2.6	3.6	4.6	35	2.6	7.5	1.5	.84	11
22	6.7	4.8	e11	e2.7	e3.6	14	52	4.2	6.9	1.5	.75	2.3
23	6.3	4.5	e9.2	e2.6	3.3	5.7	37	6.0	7.6	1.4	.72	1.5
24	6.1	e4.4	e8.8	e2.5	3.1	4.8	26	4.0	7.4	1.3	.72	1.2
25	5.9	e4.3	e7.2	2.5	4.0	4.6	20	3.2	5.7	1.3	.66	53
26	5.6	9.9	e6.8	2.4	5.5	4.3	16	4.1	5.0	2.6	.63	9.6
27	5.4	8.6	e6.4	2.4	3.6	5.9	13	9.9	4.4	1.5	.64	4.3
28	5.1	7.1	6.1	2.3	3.4	4.0	11	6.1	4.1	1.3	.67	3.3
29	4.9	6.6	5.7	2.2	---	3.9	9.8	4.8	3.9	1.2	.65	2.6
30	4.7	6.5	5.5	e5.0	---	12	8.9	4.2	6.5	1.2	.59	2.2
31	4.6	---	e5.4	4.2	---	6.6	---	3.7	---	1.1	1.3	---
TOTAL	173.4	162.9	455.0	101.5	96.6	138.8	1005.6	144.0	291.1	73.6	30.73	115.13
MEAN	5.59	5.43	14.7	3.27	3.45	4.48	33.5	4.65	9.70	2.37	.99	3.84
MAX	15	9.9	192	5.0	5.5	14	113	9.9	64	6.5	3.1	53
MIN	3.2	3.4	3.8	2.2	2.4	2.9	4.8	2.6	3.4	1.1	.59	.53
CFSM	1.50	1.46	3.95	.88	.93	1.20	9.01	1.25	2.61	.64	.27	1.03
IN.	1.73	1.63	4.55	1.01	.97	1.39	10.06	1.44	2.91	.74	.31	1.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2001, BY WATER YEAR (WY)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	8.21	12.6	11.7	11.0	8.97	16.0	22.4	12.9	6.85	4.63	3.47	5.11							
MAX	19.7	20.8	26.0	26.5	28.3	30.3	54.3	33.1	16.1	15.7	9.31	17.4							
(WY)	1997	1993	1997	1999	1984	1986	1993	1989	2000	1996	1990	1987							
MIN	1.00	3.09	4.43	2.65	2.26	4.48	8.83	4.57	1.83	.74	.65	.67							
(WY)	1985	1999	1990	1989	1987	2001	1995	1995	1991	1991	1993	1998							

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

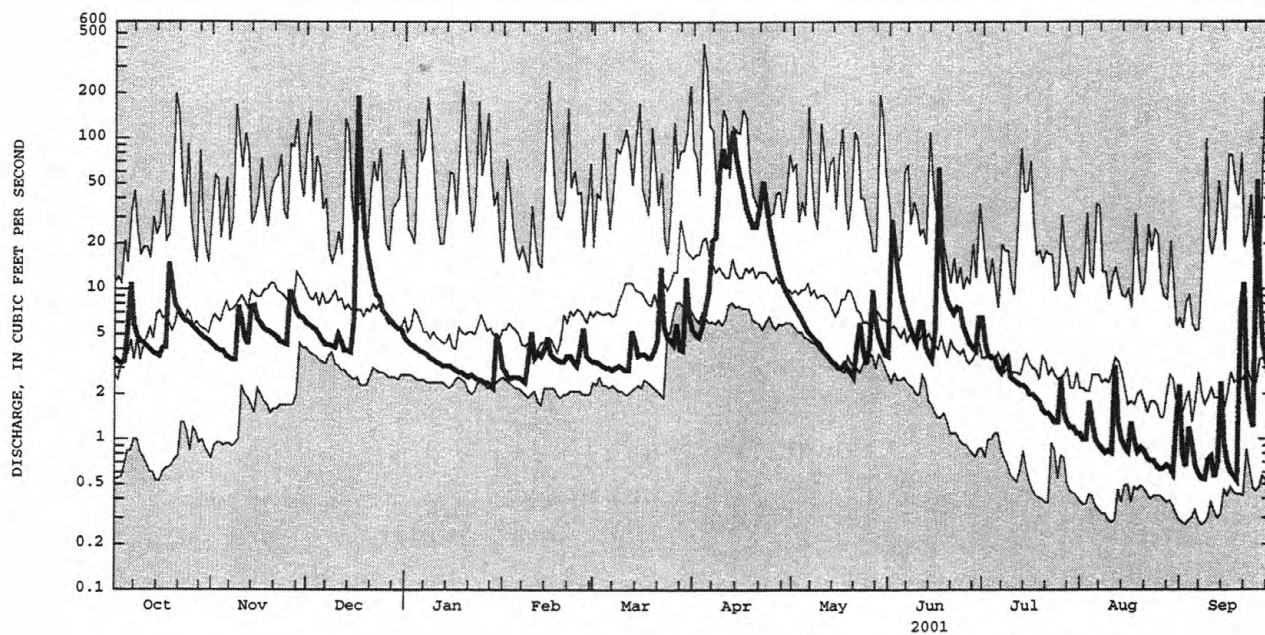
WATER YEARS 1983 - 2001

ANNUAL TOTAL	3970.2	2788.36	
ANNUAL MEAN	10.8	7.64	10.4
HIGHEST ANNUAL MEAN			14.0
LOWEST ANNUAL MEAN			6.76
HIGHEST DAILY MEAN	192	Dec 17	431
LOWEST DAILY MEAN	1.7	Feb 13	.27
ANNUAL SEVEN-DAY MINIMUM	1.9	Feb 7	.63
ANNUAL RUNOFF (CFSM)	2.92		2.05
ANNUAL RUNOFF (INCHES)	39.70		27.88
10 PERCENT EXCEEDS	20		11
50 PERCENT EXCEEDS	6.7		3.9
90 PERCENT EXCEEDS	3.4		1.0

e Estimated

DELAWARE RIVER BASIN

01434025 BISCUIT BROOK ABOVE PIGEON BROOK AT FROST VALLEY, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

411

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 mi².

PERIOD OF RECORD.--October 1992 to current year. Occasional miscellaneous measurements 1992.

GAGE.--Water-stage recorder. Elevation of gage is 2,140 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 140 ft³/s, Dec. 17, 2000, from rating curve extended above 25 ft³/s; gage height not determined; maximum gage height, 1.86 ft, Nov. 9, 1996, July 15, 2000; minimum discharge, 0.044 ft³/s, Sept. 1, 2, 3, 4, 1999; minimum gage height, 0.67 ft, Sept. 13, 17, 18, 19, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, about 140 ft³/s, Dec. 17, gage height not determined, from rating curve extended above 25 ft³/s; minimum discharge, 0.059 ft³/s, Sept. 13, 17, 18, 19, gage height, 0.67 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	.83	1.1	.76	.51	.67	1.4	1.4	.86	1.0	.17	.17
2	.66	.77	1.0	.71	.47	.68	1.3	1.2	5.5	.67	.17	.090
3	e.65	.74	1.0	.67	.42	.67	1.3	1.1	4.1	.58	.17	.082
4	e.66	.72	.97	.65	.42	.67	1.3	1.0	2.9	.60	.24	.15
5	e1.0	.70	.96	.63	.43	.67	1.7	.93	2.6	.59	.20	.094
6	2.6	.66	.89	.62	.41	.66	2.3	.85	2.1	.49	.16	.080
7	.90	.63	.87	.60	.41	.63	4.9	.79	1.7	.45	.15	.074
8	.76	.62	.83	.59	.41	.63	6.6	.74	1.4	.74	.15	.073
9	.75	.61	.78	.56	.70	.63	11	.70	1.2	.94	.13	.073
10	.75	2.2	.75	.53	1.2	.60	14	.65	1.0	.47	.15	.12
11	.73	.93	.75	.51	e.63	.59	11	.61	1.2	.44	.14	.086
12	.72	.75	1.0	.50	e.61	.59	13	.60	.97	.40	.23	.074
13	.72	.72	.70	.48	.58	1.1	18	.52	.78	.39	.17	.080
14	.72	1.7	.79	.51	.91	.80	13	.50	.69	.38	.22	.25
15	.72	1.1	.69	.51	.96	.66	9.6	.47	.64	.35	.16	.087
16	.84	.97	1.5	.48	.67	.68	7.5	.46	2.4	.33	.13	.074
17	.79	1.0	e50	.48	.66	.69	6.5	.46	16	.37	.19	.071
18	3.6	1.0	16	.44	.67	.65	5.2	.50	4.7	.33	.14	.068
19	1.8	1.0	5.6	.44	.67	.62	4.0	.45	3.0	.29	.12	.068
20	1.5	1.0	3.9	.44	e.66	.68	3.6	.39	2.3	.27	.13	2.2
21	1.5	.96	2.9	.41	e.65	.87	3.5	.38	1.9	.25	.12	1.3
22	1.5	.91	2.4	.39	e.64	2.0	3.5	.99	1.7	.24	.11	.15
23	1.5	.86	2.1	.38	e.63	.99	3.5	1.7	1.9	.23	.11	.11
24	1.4	.82	1.8	.38	.62	.88	3.4	.71	1.6	.23	.10	.10
25	1.4	.78	1.5	.36	.99	.82	2.8	.53	1.2	.22	.092	5.5
26	1.3	2.3	1.4	.34	1.1	.79	2.5	.91	.98	.37	.091	.58
27	1.2	1.4	1.0	.35	.72	.81	2.2	2.2	.85	.23	.095	.33
28	1.1	1.1	.96	.33	.71	.76	1.9	1.0	.78	.21	.095	.28
29	1.0	1.1	.90	.34	---	.76	1.7	.86	.72	.21	.091	.26
30	.95	1.1	.84	1.3	---	2.5	1.5	.87	1.0	.20	.086	.22
31	.89	---	.79	.68	---	1.7	---	.84	---	.18	.15	---
TOTAL	35.31	29.98	106.67	16.37	18.46	26.45	163.7	25.31	68.67	12.65	4.460	12.894
MEAN	1.14	1.00	3.44	.53	.66	.85	5.46	.82	2.29	.41	.14	.43
MAX	3.6	2.3	50	1.3	1.2	2.5	18	2.2	16	1.0	.24	5.5
MIN	.65	.61	.69	.33	.41	.59	1.3	.38	.64	.18	.086	.068
CFSM	1.84	1.61	5.55	.85	1.06	1.38	8.80	1.32	3.69	.66	.23	.69
IN.	2.12	1.80	6.40	.98	1.11	1.59	9.82	1.52	4.12	.76	.27	.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

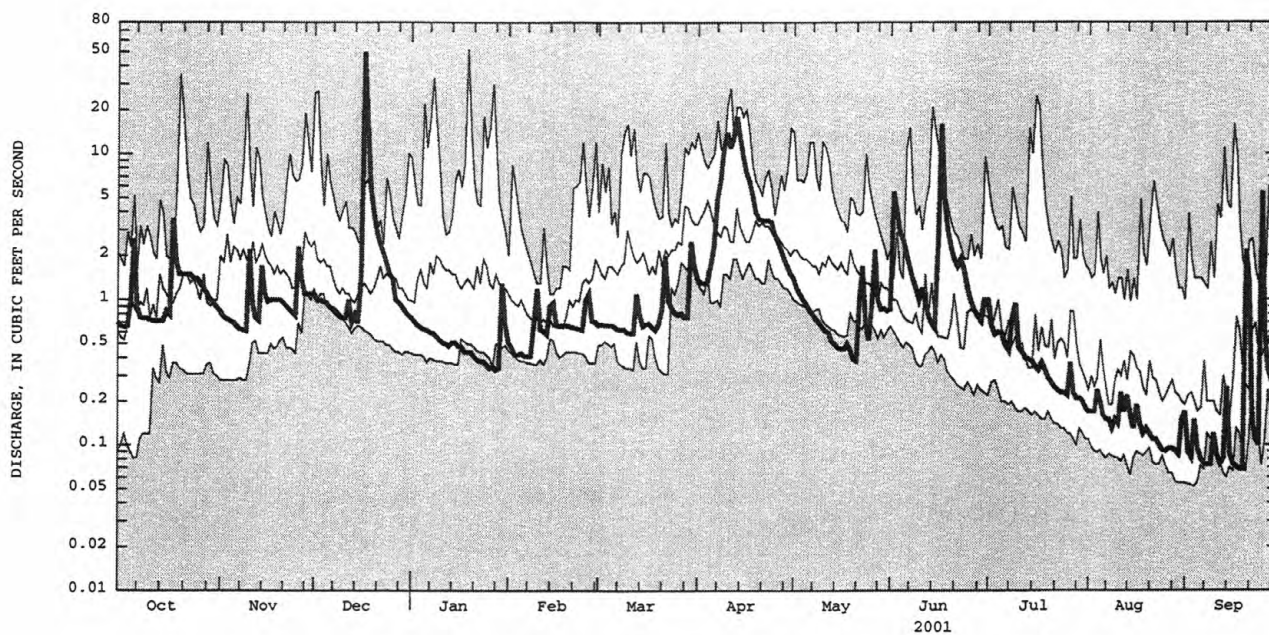
	MEAN	MAX	(WY)	MIN	(WY)
1993	1.57	3.91	1997	.48	1999
1994	2.37	3.52	1993	.67	1999
1995	2.23	5.00	1997	.68	1996
1996	2.61	5.44	1996	.53	2001
1997	1.26	2.46	1996	.58	1993
1998	2.67	4.48	2000	.85	2001
1999	4.66	8.85	1993	1.84	1995
2000	2.10	4.23	1998	.82	2001
2001	1.58	3.81	1998	.52	1999
1993	1.22	3.20	1996	.24	1993
1994	.54	1.69	1994	.10	1998
1995	.79	2.04	2000	.17	1998

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1993 - 2001
ANNUAL TOTAL	842.84	520.924	
ANNUAL MEAN	2.30	1.43	1.97
HIGHEST ANNUAL MEAN			2.57
LOWEST ANNUAL MEAN			1.34
HIGHEST DAILY MEAN	50	50	52
LOWEST DAILY MEAN	.36	.068	.052
ANNUAL SEVEN-DAY MINIMUM	.37	.08	.06
ANNUAL RUNOFF (CFSM)	3.71	2.30	3.17
ANNUAL RUNOFF (INCHES)	50.57	31.26	43.11
10 PERCENT EXCEEDS	4.3	2.4	4.1
50 PERCENT EXCEEDS	1.3	.71	1.1
90 PERCENT EXCEEDS	.62	.15	.20

e Estimated

DELAWARE RIVER BASIN

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 mi².

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,620 ft above sea level, from topographic map.

REMARKS.--Records good except those above 1,600 ft³/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 ft³/s, Dec. 17, 2000, gage height, 12.38 ft, from rating curve extended above 1,200 ft³/s on basis of runoff comparisons with nearby stations; minimum discharge, 5.9 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1300	a*9,500	*12.38	June 17	0215	a2,850	9.14

a From rating curve extended as explained above.

Minimum discharge, 9.1 ft³/s, Sept. 9, 10, 12, 13, 19, 20, gage height, 4.01 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	45	58	e62	e40	e50	91	89	43	88	17	23
2	39	43	54	e60	e34	e50	83	85	213	63	16	12
3	38	42	50	e60	e30	e50	78	80	171	52	16	11
4	38	41	e49	e58	e33	49	79	76	133	50	16	12
5	46	40	e48	e58	e34	e52	94	72	105	51	17	12
6	105	39	49	58	e35	e50	113	67	89	45	15	10
7	60	38	e43	56	e36	e47	191	63	79	41	15	10
8	49	36	e45	54	37	45	231	60	71	47	14	9.7
9	45	36	e44	51	44	46	493	58	64	61	13	9.4
10	43	75	e40	46	67	42	868	54	59	44	14	11
11	41	63	e46	e44	e41	e40	562	51	61	41	13	11
12	39	51	53	e43	e46	e41	660	49	74	37	22	9.4
13	38	46	39	e42	e48	57	1020	46	55	35	21	9.5
14	38	63	e44	e41	51	64	634	43	50	34	16	19
15	36	80	46	e40	69	50	438	42	46	32	15	14
16	38	62	49	e39	54	51	356	40	48	31	13	11
17	41	57	2700	38	51	53	283	39	1030	31	15	10
18	110	54	591	37	e50	51	234	41	217	30	15	9.9
19	93	53	259	36	e50	49	201	39	136	28	13	9.4
20	70	52	185	35	e50	52	186	35	110	26	13	32
21	65	51	143	34	e50	59	202	34	105	25	13	101
22	60	49	e110	e34	57	119	275	50	92	23	12	30
23	57	47	e98	e33	e70	85	244	72	97	22	12	19
24	56	e43	e90	e33	e66	73	202	63	109	22	12	15
25	55	e42	85	e33	e70	67	161	44	83	21	11	373
26	53	81	e78	33	e66	63	135	50	72	28	10	95
27	52	83	e74	e32	e58	62	122	97	65	24	10	50
28	50	68	e72	e30	e50	60	109	73	59	20	10	37
29	49	63	e68	e29	---	58	99	58	56	19	10	32
30	48	63	e66	e40	---	149	94	51	60	19	10	28
31	46	---	e62	e50	---	116	---	46	---	18	11	---
TOTAL	1639	1606	5438	1339	1387	1900	8538	1767	3652	1108	430	1035.3
MEAN	52.9	53.5	175	43.2	49.5	61.3	285	57.0	122	35.7	13.9	34.5
MAX	110	83	2700	62	70	149	1020	97	1030	88	22	373
MIN	36	36	39	29	30	40	78	34	43	18	10	9.4
CFSM	1.56	1.58	5.19	1.28	1.47	1.81	8.42	1.69	3.60	1.06	.41	1.02
IN.	1.80	1.77	5.99	1.47	1.53	2.09	9.40	1.94	4.02	1.22	.47	1.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
MEAN	79.3	128	119	147	74.4	144	242	110	85.3	55.8	32.8	45.9
MAX	192	224	321	305	136	228	498	209	173	165	75.2	118
(WY)	1996	1997	1997	1996	1996	1998	1993	1998	1998	1996	1994	1999
MIN	26.5	32.5	40.3	43.2	40.2	61.3	86.7	49.7	34.5	11.1	10.7	10.3
(WY)	1999	1999	1999	2001	1993	2001	1995	1995	1993	1991	1993	1998

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

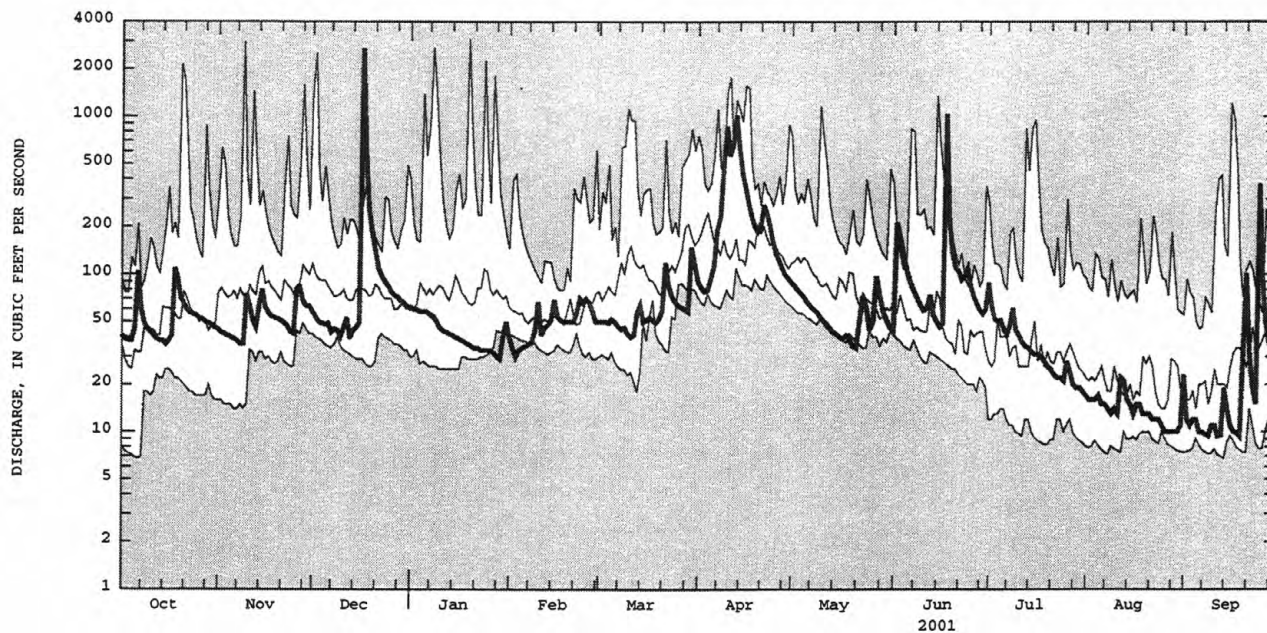
WATER YEARS 1991 - 2001

ANNUAL TOTAL	41822	29839.3	
ANNUAL MEAN	114	81.8	106
HIGHEST ANNUAL MEAN			151
LOWEST ANNUAL MEAN			70.3
HIGHEST DAILY MEAN	2700	Dec 17	3100
LOWEST DAILY MEAN	32	Feb 12	6.8
ANNUAL SEVEN-DAY MINIMUM	35	Feb 7	7.3
ANNUAL RUNOFF (CFSM)	3.38		3.14
ANNUAL RUNOFF (INCHES)	46.03		42.65
10 PERCENT EXCEEDS	189		198
50 PERCENT EXCEEDS	72		60
90 PERCENT EXCEEDS	41		16

e Estimated

DELAWARE RIVER BASIN

01434498 WEST BRANCH NEVERSINK RIVER AT CLARYVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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 Clarville.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Minimum discharge, 16 ft³/s. Sept. 9, 10, 19, 20, gage height, 6.01 ft.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	83	107	106	78	e82	200	160	102	168	30	30
2	87	80	99	102	67	91	178	153	500	121	29	22
3	85	79	90	96	56	87	163	146	411	100	28	18
4	83	76	93	93	67	84	164	136	305	92	39	21
5	95	75	101	91	61	91	197	127	222	94	41	24
6	226	73	89	89	65	88	241	119	180	81	31	19
7	132	72	82	86	62	88	401	115	155	76	28	18
8	104	72	85	86	61	85	500	112	134	82	26	17
9	95	71	86	82	73	88	964	108	121	111	25	16
10	92	148	81	e78	e110	83	1690	106	113	84	24	18
11	88	125	91	77	e100	82	1160	104	110	79	25	22
12	85	101	97	73	e94	e86	1280	102	132	69	33	19
13	82	93	72	68	92	108	1800	99	108	64	38	17
14	81	122	88	69	87	135	1240	96	101	62	30	32
15	80	160	86	68	120	105	876	93	93	59	31	28
16	80	122	90	68	96	107	713	91	94	56	26	21
17	86	112	3840	64	90	111	569	90	1820	55	27	19
18	207	106	1230	61	80	106	464	88	462	56	27	17
19	183	103	548	60	e86	99	391	86	274	52	24	16
20	130	99	371	59	93	103	351	84	211	48	23	44
21	117	97	273	53	93	118	375	80	198	45	23	230
22	109	95	239	50	e82	256	546	102	172	42	22	66
23	104	91	205	e54	88	187	520	236	178	40	21	38
24	102	85	170	56	e84	157	442	212	220	39	21	29
25	98	86	146	53	86	142	339	119	156	37	20	704
26	96	144	136	e50	126	133	264	116	131	47	19	195
27	93	161	e130	51	100	143	229	223	115	45	19	101
28	90	126	127	47	91	125	203	172	104	37	20	76
29	87	115	117	45	---	120	183	142	99	35	19	68
30	86	114	115	73	---	330	169	117	100	34	19	59
31	84	---	113	116	---	270	---	108	---	32	19	---
TOTAL	3257	3086	9197	2224	2388	3890	16812	3842	7121	2042	807	2004
MEAN	105	103	297	71.7	85.3	125	560	124	237	65.9	26.0	66.8
MAX	226	161	3840	116	126	330	1800	236	1820	168	41	704
MIN	80	71	72	45	56	82	163	80	93	32	19	16
CFSM	1.58	1.54	4.45	1.08	1.28	1.88	8.41	1.86	3.56	.99	.39	1.00
IN.	1.82	1.72	5.14	1.24	1.33	2.17	9.39	2.15	3.98	1.14	.45	1.11

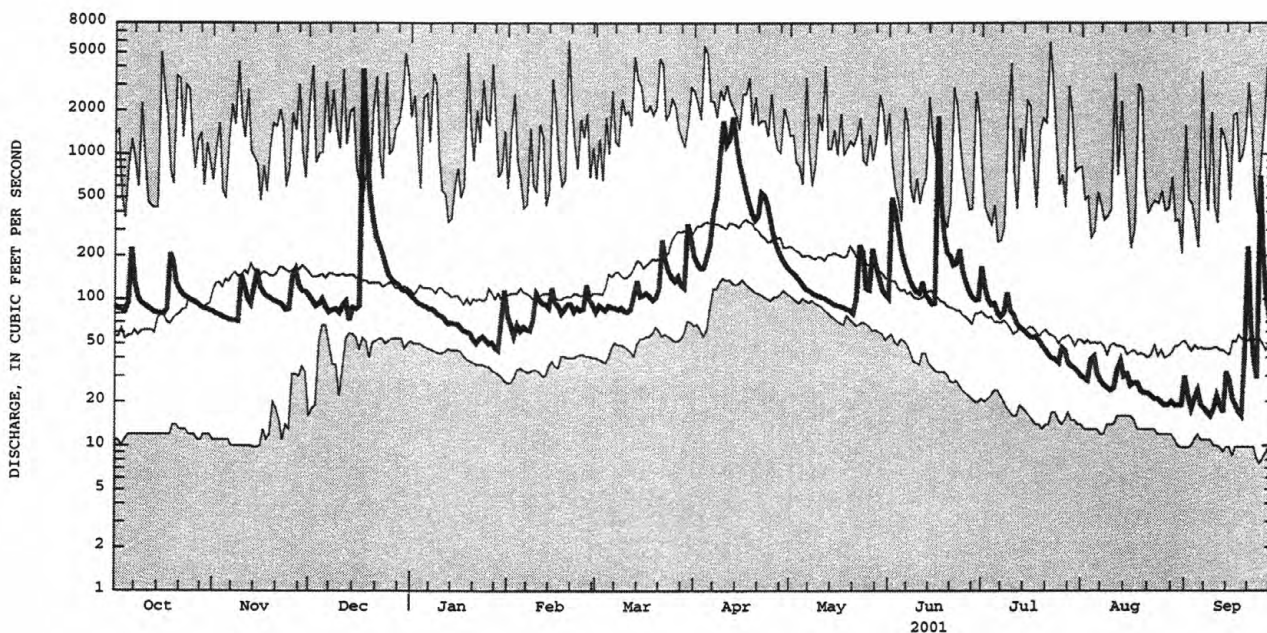
MEAN	141	207	213	173	161	288	427	258	148	103	75.0	94.4
MAX	613	409	568	530	747	681	899	608	483	567	430	336
(WY)	1956	1973	1997	1996	1981	1977	1993	1989	1972	1938	1955	1979
MIN	12.4	18.4	71.9	41.8	48.4	85.8	140	95.5	37.3	19.3	16.8	10.6
(WY)	1965	1965	1981	1961	1980	1958	1946	1941	1991	1991	1953	1964

e Estimated

DELAWARE RIVER BASIN

01435000 NEVERSINK RIVER NEAR CLARYVILLE, NY--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	82135		56670		189	
ANNUAL MEAN	224		155		286	
HIGHEST ANNUAL MEAN					100	
LOWEST ANNUAL MEAN					196	
HIGHEST DAILY MEAN	3840		3840		6090	
LOWEST DAILY MEAN	66		16		7.5	
ANNUAL SEVEN-DAY MINIMUM	68		18		8.9	
ANNUAL RUNOFF (CFSM)	3.37		2.33		2.84	
ANNUAL RUNOFF (INCHES)	45.88		31.65		38.59	
10 PERCENT EXCEEDS	382		240		380	
50 PERCENT EXCEEDS	141		92		114	
90 PERCENT EXCEEDS	82		28		34	



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--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-66, 1969, 1971, 1973-75, 1985-87, June 1998, May 1999 to August 2001.

CHEMICAL DATA: 1965 (a), 1966 (b), 1969, 1971 (a), 1973-75 (b), 1985 (a), 1986 (b), 1987 (c), 1999-2000 (a), 2001 (b).

PESTICIDE: 1999-2000 (a), 2001 (b).

NUTRIENT DATA: 1985 (a), 1986 (b), 1987 (c), 1998 (e), 1999-2000 (a), 2001 (b).

REMARKS.--These samples were collected as part of the Delaware River basin NAWQA. Also published as a NAWQA water-quality miscellaneous site. Only pesticides detected at one or more sites in the entire study are in this table.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

			DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
OCT 16...	1040	ENVIRONMENTAL	60	2.0	729	10.0	93	6.4	27	9.5	10.2	9	2.52	
MAY 10...	0929	FIELD BLANK	--	--	--	--	--	--	--	--	--	--	.01	
10...	0930	ENVIRONMENTAL	105	--	723	11.9	109	7.0	35	21.0	9.1	9	2.60	
AUG 23...	1600	ENVIRONMENTAL	21	<2.0	719	9.8	106	7.5	34	19.5	16.3	9	2.65	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 16...		.638	.30	1.1	4	4	1.5	E.1	2.5	4.9	20	16	<.041	E.07
MAY 10...		<.008	<.09	<.1	--	--	<.1	<.2	<.1	<.1	<10	--	<.041	<.10
10...		.631	.30	1.5	3	4	2.9	<.2	2.0	4.7	26	17	<.041	<.10
AUG 23...		.674	.40	1.8	4	5	3.6	<.2	2.4	4.8	23	19	<.040	<.10
DATE		NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, REC, (UG/L) (46342)
OCT 16...		.09	.052	<.006	.14	<.006	<.018	E.002	1.0	<13	<10	E2.3	<.004	<.002
MAY 10...		<.08	<.047	<.006	--	<.006	<.018	<.004	--	<13	<10	<3.2	--	--
10...		E.07	.206	<.006	--	<.006	<.018	E.002	.99	<13	<10	E1.8	<.004	<.002
AUG 23...		E.06	.119	<.006	--	<.006	<.020	.006	.65	<13	<10	E1.9	<.004	<.002
DATE		ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, REC (UG/L) (39632)	BEN-FLUR-ALIN, WAT FLD GF, REC (UG/L) (82673)	CAR-BARVL WATER FLTRD GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD GF, REC (UG/L) (82674)	CHLOR-PYRIPPOS DIS-SOLVED (UG/L) (38933)	DCPA WATER FLTRD GF, REC (UG/L) (82682)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN, DIS-SOLVED (UG/L) (39381)	EPTC WATER FLTRD GF, REC (UG/L) (82668)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
OCT 16...		<.005	<.007	<.010	<.041	<.020	<.005	<.003	<.005	<.005	<.002	<.004	<.035	<.027
MAY 10...		--	--	--	--	--	--	--	--	--	--	--	--	--
10...		<.005	<.007	<.010	<.041	<.020	<.005	<.003	<.005	<.005	<.002	<.004	<.035	<.027
AUG 23...		<.005	<.007	<.010	<.041	<.020	<.005	<.003	<.005	<.005	<.002	<.004	<.035	<.027
DATE		METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	TEBU-THIURON WATER FLTRD GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD GF, REC (UG/L) (82665)	THIO-BENCARB WATER FLTRD GF, REC (UG/L) (82681)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	
OCT 16...		<.050	<.013	<.006	<.002	<.007	<.003	<.010	<.016	<.034	<.005	<.009	1	
MAY 10...		--	--	--	--	--	--	--	--	--	--	--	<1	
10...		<.050	<.013	<.006	<.002	<.007	<.003	<.010	<.016	<.034	<.005	<.009	<1	
AUG 23...		<.050	<.013	<.006	<.002	<.007	<.003	<.010	<.016	<.034	<.005	<.009	2	

E Estimated value.

DELAWARE RIVER BASIN

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 mi².

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 sea level (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 mi² 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, 22,300 ft³/s, Nov. 25, 1950, gage height, 11.23 ft, site and datum then in use, from rating curve extended above 2,600 ft³/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; minimum, no flow for all or part of each day Sept. 22-24, Oct. 26-29, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,660 ft³/s, Apr. 10, gage height, 5.65 ft; minimum, 21 ft³/s, Dec. 12, gage height, 2.94 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	24	24	25	23	24	24	47	54	92	79	46
2	25	23	24	25	23	24	24	59	54	69	91	46
3	22	24	25	25	23	24	24	58	54	49	91	46
4	23	24	25	24	24	24	24	58	54	49	92	46
5	22	23	24	24	23	24	24	58	54	49	92	45
6	22	24	24	24	23	24	24	58	51	50	90	45
7	22	24	25	24	23	24	24	61	49	51	91	45
8	23	24	25	24	23	24	25	57	49	51	92	45
9	23	24	25	24	23	24	459	55	49	61	92	45
10	23	24	26	24	23	24	2200	54	49	69	82	45
11	22	23	26	24	23	24	1730	54	49	49	64	44
12	22	23	24	24	23	24	1520	55	49	49	48	45
13	22	24	25	24	23	24	1950	55	54	49	49	45
14	23	25	25	24	24	24	1740	55	74	49	49	44
15	23	24	24	24	23	24	1180	54	99	49	49	44
16	24	24	25	24	24	24	903	54	100	49	56	45
17	24	24	27	24	23	24	693	54	69	49	67	45
18	25	25	25	24	23	24	549	54	49	49	67	46
19	24	25	25	24	23	24	435	53	68	61	66	46
20	24	25	24	24	24	24	272	53	62	76	66	47
21	24	25	25	23	23	24	300	52	49	85	66	47
22	24	25	25	24	24	24	385	52	49	85	66	46
23	24	25	24	24	23	24	349	53	49	85	59	46
24	24	25	24	24	23	24	366	54	49	85	48	47
25	24	25	24	23	24	24	269	54	49	85	48	49
26	24	25	24	24	23	24	150	54	49	72	47	49
27	24	25	24	23	24	24	81	54	62	50	46	49
28	23	25	24	23	23	23	61	54	84	51	46	49
29	24	25	24	24	---	24	26	53	90	51	46	49
30	24	25	24	24	---	25	25	53	92	51	46	49
31	24	---	25	23	---	24	---	53	---	59	46	---
TOTAL	739	730	764	742	651	744	15836	1692	1812	1878	2037	1385
MEAN	23.8	24.3	24.6	23.9	23.2	24.0	528	54.6	60.4	60.6	65.7	46.2
MAX	38	25	27	25	24	25	2200	61	100	92	92	49
MIN	22	23	24	23	23	23	24	47	49	49	46	44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

	MEAN	50.1	24.8	16.1	14.9	16.8	14.0	93.2	79.6	71.7	73.1	73.2	64.2
MAX	279	198	66.0	33.5	148	29.1	528	319	369	293	305	231	
(WY)	1956	1956	1997	1956	1961	1978	2001	1956	1972	1962	1956	1964	
MIN	14.0	4.76	3.17	4.19	4.24	4.58	10.5	14.6	14.9	14.6	14.1	14.1	
(WY)	1974	1966	1966	1971	1989	1976	1965	1967	1971	1967	1968	1968	

SUMMARY STATISTICS

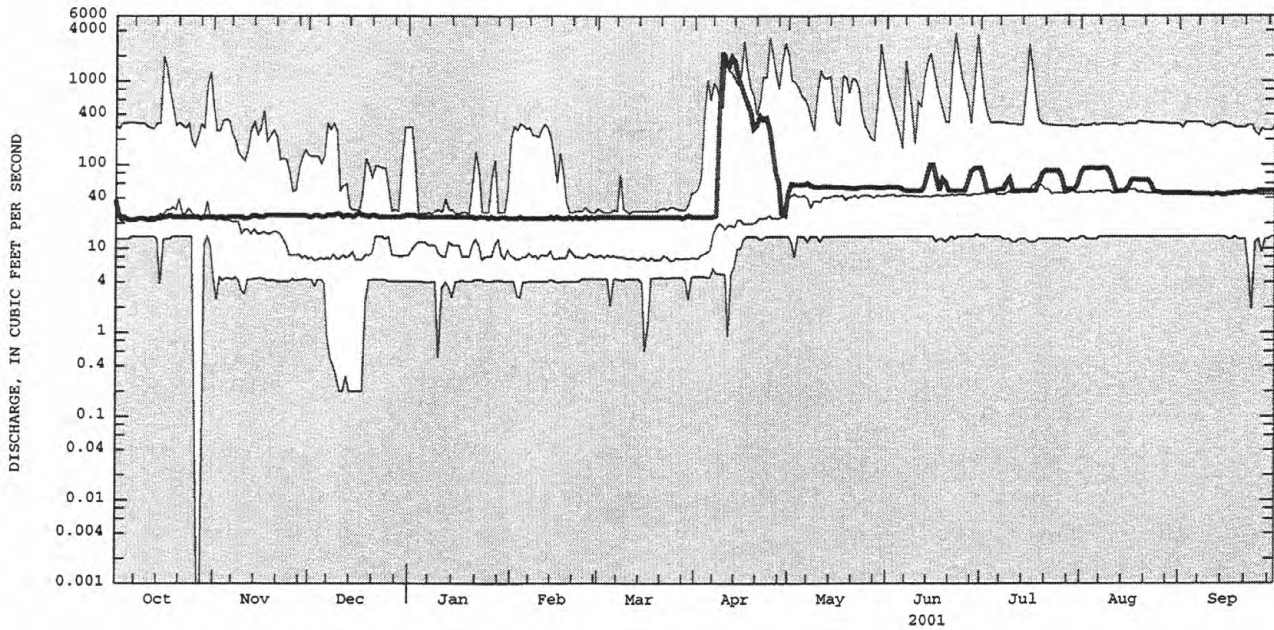
FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1954 - 2001

ANNUAL TOTAL	22123	29010	
ANNUAL MEAN	60.4	79.5	49.4
HIGHEST ANNUAL MEAN			158
LOWEST ANNUAL MEAN			11.4
HIGHEST DAILY MEAN	2750	Jul 16	3700
LOWEST DAILY MEAN	21	Apr 30	.00
ANNUAL SEVEN-DAY MINIMUM	22	Apr 14	.23
10 PERCENT EXCEEDS	56	84	76
50 PERCENT EXCEEDS	25	25	23
90 PERCENT EXCEEDS	23	23	5.2

01436000 NEVERSINK RIVER AT NEVERSINK, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.
ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.

DELAWARE RIVER BASIN

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,080 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to June 1953, entire flow from 92.5 mi² 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 ft³/s, Sept. 16, 1999, gage height, 13.22 ft; minimum discharge, 20 ft³/s, Dec. 31, 1998 (result of freezeup); minimum gage height, 4.33 ft, Oct. 2, 3, 1995, Dec. 31, 1998 (result of freezeup).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,820 ft³/s, Apr. 10, gage height, 10.09 ft; minimum, 45 ft³/s, Oct. 4, 5, gage height, 4.48 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	79	103	e110	e110	e120	516	90	106	119	71	59
2	57	95	88	e110	e90	e110	431	107	370	128	88	59
3	49	96	e80	e100	e80	e110	416	103	367	77	96	57
4	47	93	e76	e100	e70	e100	468	101	287	75	130	61
5	50	90	e80	e100	e80	e110	553	99	189	92	124	62
6	97	87	e76	e98	e84	e110	587	97	160	82	103	59
7	79	87	e72	e96	e80	e110	565	92	137	76	98	58
8	61	84	e74	e92	e84	e100	726	88	117	82	100	57
9	64	83	e78	e86	e94	e98	967	86	101	85	88	57
10	61	199	e68	e74	e130	e96	3250	83	97	106	98	58
11	58	198	e84	e70	e110	e92	2660	81	104	134	81	61
12	57	131	e78	e84	e96	e110	2060	79	114	95	79	57
13	55	108	e66	e70	e110	e130	2370	78	103	80	71	56
14	53	122	e76	e72	e130	194	2320	77	103	76	66	71
15	52	164	e74	e72	e160	164	1520	76	118	73	66	63
16	67	123	98	e70	e140	e170	1180	75	134	69	60	59
17	69	109	1480	e66	e120	e180	939	75	536	70	78	57
18	141	102	944	e64	e110	194	756	78	255	69	81	56
19	176	100	496	e62	e100	181	635	78	166	67	79	56
20	128	95	382	e60	e120	196	456	73	149	83	81	66
21	102	92	e240	e58	e110	242	388	73	126	95	80	158
22	87	85	e200	e48	e86	513	518	106	109	95	79	87
23	87	e84	e170	e58	e94	483	443	143	107	93	79	70
24	80	e76	e150	e68	e94	452	429	153	125	91	64	65
25	73	e82	e140	e62	e110	380	387	111	103	89	59	232
26	67	119	e130	e54	e130	322	262	115	97	99	58	139
27	59	169	e130	e52	e130	270	161	325	88	71	59	95
28	61	132	e130	e49	e120	248	139	235	104	61	60	82
29	60	113	e120	e60	---	245	110	158	116	60	61	80
30	62	103	e110	e90	---	757	91	126	115	60	63	72
31	61	---	e110	e130	---	716	---	110	---	60	59	---
TOTAL	2299	3300	6203	2385	2972	7303	26303	3371	4803	2612	2459	2269
MEAN	74.2	110	200	76.9	106	236	877	109	160	84.3	79.3	75.6
MAX	176	199	1480	130	160	757	3250	325	536	134	130	232
MIN	47	76	66	48	70	92	91	73	88	60	58	56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	118	188	201	216	163	286	440	232	211	158
MAX	258	320	523	394	262	371	1022	446	586	335
(WY)	1997	1996	1997	1996	1996	2000	1993	1998	1998	2000
MIN	53.5	59.9	47.4	76.9	90.2	231	120	109	88.9	84.3
(WY)	1998	1999	1999	2001	1993	1996	1999	2001	1999	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

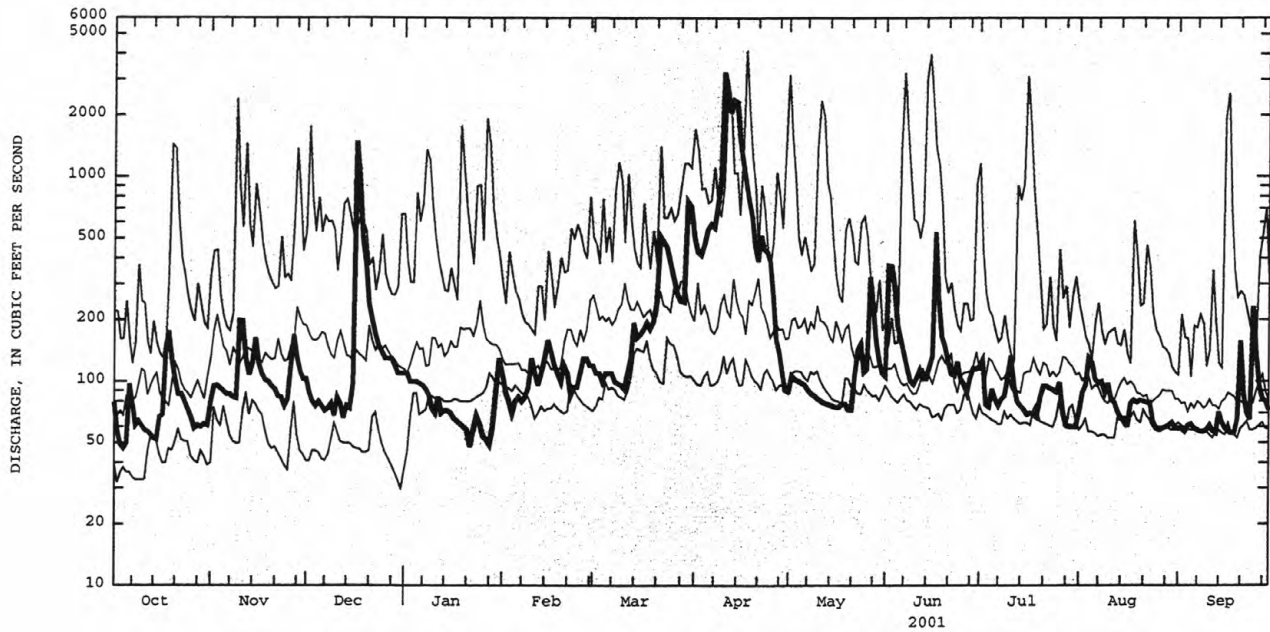
FOR 2001 WATER YEAR

WATER YEARS 1992 - 2001

ANNUAL TOTAL	83512	66279	203
ANNUAL MEAN	228	182	253
HIGHEST ANNUAL MEAN			141
LOWEST ANNUAL MEAN			141
HIGHEST DAILY MEAN	3220	Jun 7	4170
LOWEST DAILY MEAN	47	Oct 4	30
ANNUAL SEVEN-DAY MINIMUM	57	Oct 9	34
10 PERCENT EXCEEDS	446		377
50 PERCENT EXCEEDS	142		121
90 PERCENT EXCEEDS	80		67

e Estimated

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

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 recorded, 26.0°C, June 14, but may have been higher during period of missing record, Aug. 3-16; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	14.0	8.5	11.0	8.5	4.5	6.5	3.0	1.5	2.0	.0	.0	.0
2	15.5	10.5	12.5	9.0	5.0	6.5	1.5	.0	.5	.0	.0	.0
3	16.5	11.5	13.5	9.0	5.0	7.0	.5	.0	.0	.0	.0	.0
4	13.5	11.5	12.5	10.0	7.5	8.5	.5	.0	.0	.0	.0	.0
5	12.5	11.5	12.0	8.0	6.5	7.5	.0	.0	.0	.0	.0	.0
6	13.0	11.5	12.0	8.0	5.0	6.5	.0	.0	.0	.0	.0	.0
7	12.0	9.5	10.5	7.5	4.5	6.0	.0	.0	.0	.0	.0	.0
8	10.0	7.5	9.0	8.0	4.5	6.5	.0	.0	.0	.0	.0	.0
9	7.5	6.0	7.0	8.0	6.0	7.5	.0	.0	.0	.0	.0	.0
10	6.5	5.0	6.0	9.0	8.0	8.5	.0	.0	.0	.0	.0	.0
11	11.0	5.5	7.5	9.0	8.0	8.5	.0	.0	.0	.0	.0	.0
12	12.0	6.5	9.0	9.0	7.0	8.0	.0	.0	.0	.0	.0	.0
13	12.5	7.5	9.5	7.5	7.0	7.5	.0	.0	.0	.0	.0	.0
14	14.0	9.0	11.0	7.5	6.5	7.5	.0	.0	.0	.0	.0	.0
15	14.5	10.0	12.0	6.5	4.5	5.5	.0	.0	.0	.0	.0	.0
16	13.0	11.0	12.0	5.5	4.0	5.0	.0	.0	.0	.0	.0	.0
17	11.0	10.0	10.5	6.0	4.0	5.0	1.0	.0	.5	.0	.0	.0
18	11.0	10.0	10.5	5.0	3.0	4.0	.5	.0	.5	.0	.0	.0
19	11.5	9.0	10.0	4.0	2.0	3.0	.5	.0	.0	.0	.0	.0
20	11.5	7.5	9.5	3.0	.5	2.0	.5	.0	.0	.0	.0	.0
21	12.5	8.0	10.0	2.5	.5	1.5	.5	.0	.0	.0	.0	.0
22	12.5	8.5	10.5	1.0	.0	.5	.5	.0	.0	.0	.0	.0
23	10.5	7.0	8.5	.5	.0	.0	.5	.0	.0	.0	.0	.0
24	11.5	7.5	9.5	.0	.0	.0	.5	.0	.0	.0	.0	.0
25	13.0	9.0	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	13.5	9.5	11.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
27	13.0	9.5	11.0	3.5	.5	2.0	.0	.0	.0	.0	.0	.0
28	12.0	8.0	10.5	4.0	3.0	3.5	.0	.0	.0	.0	.0	.0
29	8.0	5.0	6.0	4.0	3.0	3.5	.0	.0	.0	.0	.0	.0
30	7.0	4.0	5.5	4.0	2.5	3.0	.0	.0	.0	.0	.0	.0
31	8.0	4.0	6.0	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	16.5	4.0	10.0	10.0	.0	4.5	3.0	.0	.0	.0	.0	.0

DELAWARE RIVER BASIN

423

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.0	.0	.0	.5	.0	.0	2.5	2.0	2.0	19.5	11.0	15.0
2	.0	.0	.0	.5	.0	.0	3.0	2.0	2.5	19.0	13.5	16.5
3	.0	.0	.0	1.5	.0	.5	5.5	2.0	3.5	20.5	14.0	17.0
4	.0	.0	.0	.5	.0	.0	6.0	2.0	4.0	21.5	15.0	18.5
5	.0	.0	.0	.0	.0	.0	6.5	2.0	4.5	20.0	15.5	17.5
6	.0	.0	.0	.0	.0	.0	4.5	2.5	3.0	18.5	11.5	15.0
7	.0	.0	.0	1.5	.0	.5	4.0	3.0	3.5	18.0	11.5	14.5
8	.0	.0	.0	1.0	.0	.5	3.5	3.0	3.0	18.0	10.5	14.0
9	.0	.0	.0	.5	.0	.0	7.0	2.5	4.5	17.5	12.0	14.5
10	.0	.0	.0	2.0	.0	.5	5.0	2.5	4.0	19.5	12.0	15.5
11	.0	.0	.0	1.0	.0	.5	3.5	2.5	3.0	20.5	13.5	17.0
12	.0	.0	.0	3.0	.0	1.0	4.0	3.0	3.5	20.0	15.5	17.5
13	.0	.0	.0	1.0	.0	.5	6.0	3.0	4.0	19.0	13.0	15.5
14	.0	.0	.0	1.5	.0	.5	6.0	2.5	4.0	16.0	11.5	13.5
15	.0	.0	.0	2.0	.0	.5	6.0	3.0	4.5	17.5	10.0	13.5
16	.0	.0	.0	2.5	.0	1.0	6.0	3.5	4.5	15.5	11.0	13.5
17	.5	.0	.0	2.0	.5	1.0	5.0	3.5	4.0	14.0	12.0	13.0
18	.5	.0	.0	4.0	1.0	2.0	7.0	3.0	4.5	12.5	11.5	12.0
19	.5	.0	.0	5.0	.5	2.5	7.0	2.0	4.5	18.5	11.5	14.5
20	1.0	.0	.5	5.5	1.0	3.0	7.0	3.0	5.0	16.5	13.5	15.0
21	1.0	.0	.0	3.0	1.5	2.5	8.0	5.5	7.0	15.5	13.5	14.5
22	.0	.0	.0	2.0	1.0	1.5	11.0	5.5	8.0	14.0	13.0	13.5
23	.0	.0	.0	4.0	1.0	2.5	11.5	7.5	9.5	13.5	12.5	13.0
24	.0	.0	.0	3.0	1.5	2.0	11.5	8.5	10.0	16.0	12.5	14.0
25	.0	.0	.0	3.5	.0	2.0	9.0	6.0	7.5	15.0	13.5	14.0
26	.5	.0	.0	2.5	.5	1.5	11.0	5.5	8.0	13.5	12.5	13.0
27	1.0	.0	.5	3.0	.0	1.0	13.0	7.0	10.0	13.0	12.0	12.5
28	1.0	.0	.0	5.0	.5	2.5	14.0	8.0	10.5	16.5	12.5	14.0
29	---	---	---	3.5	1.5	2.5	14.5	7.0	10.5	16.0	13.0	14.5
30	---	---	---	2.5	1.0	1.5	16.0	8.0	12.0	16.0	11.5	13.5
31	---	---	---	2.5	1.0	1.5	---	---	---	16.5	10.0	13.0
MONTH	1.0	.0	.0	5.5	.0	1.0	16.0	2.0	5.5	21.5	10.0	14.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	15.0	10.5	13.0	22.0	18.0	20.0	23.0	18.0	20.5	22.5	18.0	19.5
2	13.5	11.5	12.5	19.5	14.0	16.5	23.0	17.0	20.0	20.0	15.0	17.5
3	15.5	13.0	14.0	18.0	13.0	16.0	---	---	---	20.0	14.5	17.0
4	15.5	13.0	14.0	22.0	16.0	18.5	---	---	---	19.0	15.5	17.0
5	17.5	12.0	14.5	22.0	18.0	20.0	---	---	---	20.0	15.0	17.0
6	19.0	14.5	16.5	20.5	16.0	18.0	---	---	---	20.0	14.0	16.5
7	19.0	13.5	16.5	21.5	14.5	18.0	---	---	---	20.5	14.5	17.0
8	21.0	14.0	17.0	19.5	18.0	18.5	---	---	---	21.0	15.0	18.0
9	20.5	13.5	17.0	24.0	17.0	20.0	---	---	---	22.0	16.5	19.0
10	20.5	13.5	17.0	24.0	18.0	20.5	---	---	---	19.0	17.5	18.0
11	18.0	15.5	16.5	23.0	17.5	20.0	---	---	---	20.0	15.0	17.0
12	21.5	14.5	18.0	21.5	17.0	19.0	---	---	---	19.5	14.0	16.5
13	24.5	17.5	20.5	18.5	15.5	17.0	---	---	---	19.5	14.0	16.5
14	26.0	20.0	22.5	20.5	15.0	17.5	---	---	---	17.5	15.0	16.5
15	25.0	19.5	22.0	21.0	15.5	18.5	---	---	---	17.0	12.5	14.5
16	21.5	17.5	19.5	23.5	16.5	19.5	---	---	---	17.5	11.5	14.0
17	18.5	15.5	17.0	21.0	19.0	20.0	21.0	19.0	20.0	18.0	12.0	14.5
18	22.0	16.0	18.5	24.0	18.0	20.5	20.5	16.5	18.5	17.5	13.0	15.0
19	24.0	17.5	20.5	23.5	18.5	21.0	21.0	17.0	19.0	18.0	13.5	15.5
20	24.0	18.5	21.0	24.0	18.0	21.0	21.0	18.0	19.0	16.5	15.5	15.5
21	21.0	17.5	19.0	23.0	16.5	20.0	19.5	16.5	18.0	18.0	15.0	16.0
22	19.5	16.5	18.0	23.0	16.5	20.0	21.0	15.5	18.0	18.5	15.0	16.5
23	18.5	17.0	18.0	23.0	17.0	20.0	18.5	16.0	17.0	19.0	14.0	16.0
24	20.0	16.0	17.5	24.5	18.0	21.0	20.0	15.5	17.5	17.0	14.5	16.0
25	21.5	16.0	18.5	24.0	19.5	22.0	21.5	15.0	18.0	16.5	14.5	16.0
26	22.5	17.5	20.0	22.5	18.0	20.0	21.5	16.5	19.0	14.5	13.0	13.5
27	25.0	18.0	21.5	22.0	15.0	18.0	19.5	18.0	18.5	13.0	11.5	12.5
28	24.5	19.0	21.5	22.0	16.0	19.0	22.0	17.0	19.0	13.5	11.5	12.5
29	23.0	18.5	20.5	21.5	17.5	19.5	22.0	17.0	19.0	13.5	12.0	12.5
30	23.5	17.5	20.5	23.0	17.0	19.5	19.0	16.5	17.5	12.5	10.0	11.5
31	---	---	---	24.5	17.0	20.0	22.0	16.5	18.5	---	---	---
MONTH	26.0	10.5	18.0	24.5	13.0	19.5	---	---	---	22.5	10.0	16.0

DELAWARE RIVER BASIN

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 mi².

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 sea level (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 mi² 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 ft³/s, Nov. 26, 1950, gage height, 11.79 ft; maximum discharge since regulation, 33,000 ft³/s, Aug. 19, 1955, gage height, 12.49 ft, from rating curve extended above 11,000 ft³/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, 5,290 ft³/s, Dec. 17, gage height, 7.42 ft; minimum, 75 ft³/s, Sept. 9, 10, gage height, 3.30 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222	124	372	e280	264	e290	1550	253	265	212	120	93
2	206	169	345	e270	254	e290	1330	256	614	227	138	88
3	178	163	e260	e260	231	288	1200	250	783	186	159	85
4	164	171	e250	e250	232	281	1240	241	736	160	237	87
5	165	e170	e250	e240	232	280	1380	231	555	164	264	94
6	207	e170	e240	e240	235	294	1520	223	476	166	178	86
7	263	173	e240	e230	239	295	1490	224	411	156	154	83
8	210	e160	243	e230	222	278	1680	208	354	161	160	82
9	199	e160	250	e220	226	277	1820	201	298	170	151	79
10	199	434	e220	e220	301	273	4280	195	272	170	144	82
11	191	574	e210	e210	e280	259	3630	178	260	251	138	90
12	185	405	e210	e200	e270	256	2850	174	270	210	169	83
13	173	341	e220	e200	e270	338	2930	170	244	168	143	80
14	190	339	e230	206	e280	438	2930	164	221	156	129	98
15	179	481	e250	210	341	405	2110	162	219	150	125	105
16	196	406	279	214	346	415	1710	160	233	146	116	85
17	208	367	2430	214	e330	492	1420	159	632	147	118	82
18	263	345	2650	207	e290	499	1230	161	511	146	133	80
19	408	330	1720	209	e290	486	1050	163	302	141	127	79
20	331	315	1370	215	e300	509	878	152	340	144	128	90
21	292	306	1050	206	e290	598	768	150	318	155	129	261
22	269	291	869	e200	e290	1170	871	205	261	158	123	186
23	262	252	705	e200	e280	1290	787	303	246	157	124	125
24	262	219	608	e200	e270	1290	748	332	307	157	124	109
25	249	255	e500	199	289	1130	713	266	263	154	103	338
26	212	340	e440	189	361	984	560	253	240	166	98	299
27	204	497	e380	189	e310	832	424	607	221	164	97	185
28	196	429	e360	183	e290	748	358	585	212	132	96	151
29	199	385	e340	179	---	700	317	408	222	124	100	142
30	173	375	e310	188	---	1540	269	343	218	121	94	133
31	156	---	e300	233	---	1930	---	292	---	120	97	---
TOTAL	6811	9146	18101	6691	7813	19155	44043	7669	10504	5039	4216	3660
MEAN	220	305	584	216	279	618	1468	247	350	163	136	122
MAX	408	574	2650	280	361	1930	4280	607	783	251	264	338
MIN	156	124	210	179	222	256	269	150	212	120	94	79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

	MEAN	296	379	440	374	412	689	843	542	386	239	223	220
MAX	2033	1094	1227	1053	981	1370	2080	1392	1722	652	1327	705	
(WY)	1956	1956	1974	1979	1976	1977	1993	1989	1972	1972	1955	1960	
MIN	91.8	86.3	86.8	72.6	118	297	248	180	111	54.2	76.0	71.1	
(WY)	1998	1966	1999	1981	1980	1981	1985	1962	1957	1966	1968	1972	

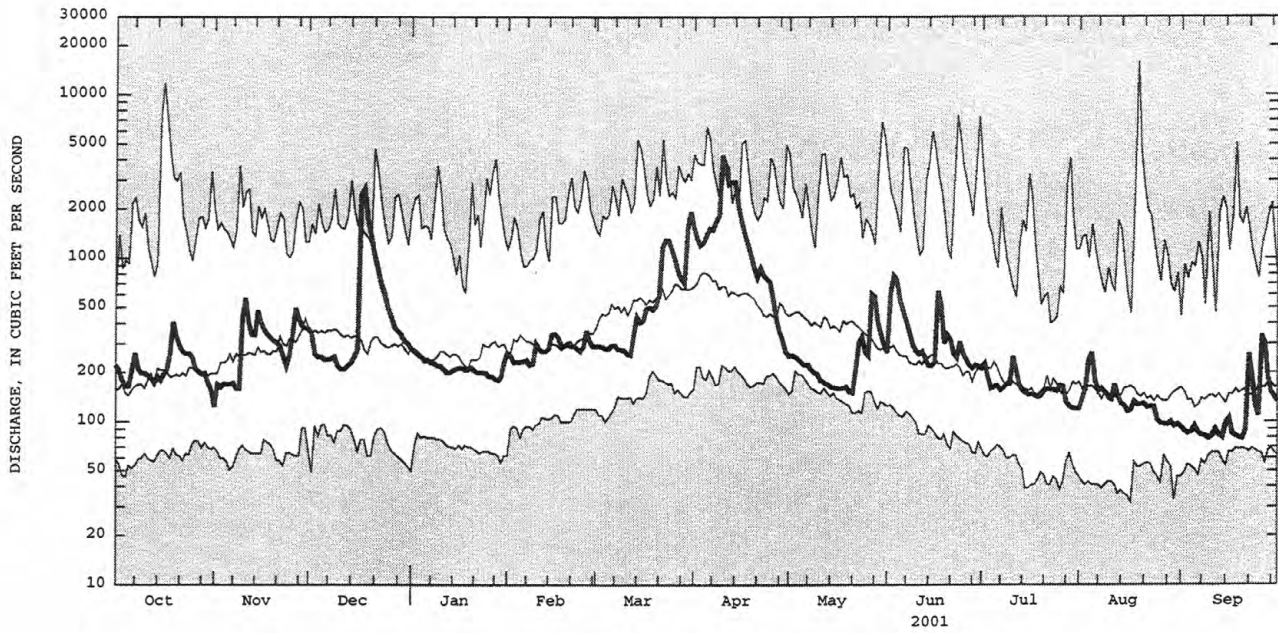
SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1954 - 2001
ANNUAL TOTAL	187200	142848	
ANNUAL MEAN	511	391	420
HIGHEST ANNUAL MEAN			704
LOWEST ANNUAL MEAN			215
HIGHEST DAILY MEAN	4690	Jun 7	15900
LOWEST DAILY MEAN	124	Nov 1	32
ANNUAL SEVEN-DAY MINIMUM	160	Oct 31	83
10 PERCENT EXCEEDS	940		785
50 PERCENT EXCEEDS	360		240
90 PERCENT EXCEEDS	200		124

e Estimated

DELAWARE RIVER BASIN

425

01437500 NEVERSINK RIVER AT GODEFFROY, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

DELAWARE RIVER BASIN

01438500 DELAWARE RIVER AT MONTAGUE, NJ

LOCATION.--Lat 41°18'33", long 74°47'44", Pike County, PA, Hydrologic Unit 02040104, on right bank 1,500 ft upstream from toll bridge (on U.S. Route 206) between Montague, NJ and Milford, PA, 0.8 mi downstream from Sawkill Creek, and at river mile 246.3.

DRAINAGE AREA.--3,480 mi².

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 sea level. 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 telemetry at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2440	1960	2900	4690	e2900	3810	19300	3700	2880	2280	1830	1950
2	2120	1930	2740	e4200	e3400	3680	15300	3490	3630	2030	1900	2000
3	2310	1980	2440	e3900	e3500	3480	13600	3430	6650	2650	1850	1850
4	2320	2010	2080	e3600	e2800	3350	13100	3300	7490	2330	1840	1790
5	2350	1980	1960	e3800	e2700	3390	13800	3020	6220	1590	1960	1860
6	2600	1900	2130	e3800	e2900	3520	15400	2330	5020	1900	1700	1820
7	4190	1800	e2100	e3300	e2800	3580	16300	2290	4310	2080	2040	2270
8	3190	1850	e2100	e3100	e2800	3580	19500	2300	3760	1680	2220	2010
9	2430	1900	e1900	e3100	e2700	3600	22400	2240	3250	1750	2410	1910
10	2140	1910	e1800	e3100	e2800	3440	34700	2060	2900	2280	2470	1890
11	1890	3940	1990	e2700	4150	2920	35800	1910	2630	2150	1970	1890
12	1800	4220	2180	e2500	e4700	2730	29400	1920	3240	2220	1850	1880
13	1760	3410	2170	e2600	e4000	3510	26000	1840	3190	2000	1830	1760
14	1780	3020	e2100	e2300	e3800	4540	23000	1680	2920	1830	1680	1850
15	1800	3300	2330	e2300	e4100	4740	18500	1520	2760	1530	1640	2020
16	1710	3520	2230	e2200	5110	4680	15700	1500	2800	1730	1650	1840
17	1690	3240	11600	e2300	5030	4880	14600	1630	4550	1890	1720	1760
18	2040	2950	46300	e2300	4570	4990	12700	1710	6310	1830	1870	1830
19	5950	2730	21400	e2400	4210	5390	11200	1870	4770	1840	1820	1790
20	5770	2620	14900	e2300	3930	5710	9730	1940	3760	1760	1640	1820
21	4390	2490	11800	e2100	4220	6610	8030	1890	3730	1830	1590	2420
22	3700	2430	10300	e2200	4210	10700	7210	2090	3290	1690	1770	2380
23	3210	2260	8830	e2100	e3700	16100	7010	2600	3180	1800	1780	1770
24	2770	1920	7770	e2400	3580	15200	6920	3090	3060	1970	1780	1450
25	2680	1800	6940	e2200	3640	12800	6090	2880	2860	1950	1840	1670
26	2600	2110	6080	e2400	4110	11100	5510	2590	2750	2000	1770	2220
27	2330	3070	5390	e2200	4510	9790	4990	3450	2690	2000	1700	2740
28	2240	3350	5290	e1900	4320	8680	4340	4740	2560	2080	1750	2000
29	2070	3080	5440	e1800	---	8210	3500	4880	2650	1890	1750	1580
30	2070	2920	4370	e2100	---	12100	3480	3980	2480	1750	1790	1340
31	1930	---	4020	e2200	---	25700	---	3220	---	1840	1820	---
TOTAL	82270	77600	205580	84090	105190	216510	437110	81090	112290	60150	57230	57360
MEAN	2654	2587	6632	2713	3757	6984	14570	2616	3743	1940	1846	1912
MAX	5950	4220	46300	4690	5110	25700	35800	4880	7490	2650	2470	2740
MIN	1690	1800	1800	1800	2700	2730	3480	1500	2480	1530	1590	1340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

	MEAN	3301	5044	6152	5825	5955	9958	11910	7356	4430	3055	2590	2648
MAX	15690	11760	18830	15600	15120	24480	31560	16090	15200	11220	14230	9167	
(WY)	1956	1952	1997	1996	1976	1945	1940	1943	1972	1945	1955	1960	
MIN	807	995	1665	1318	1748	3191	3322	2215	1214	864	715	892	
(WY)	1942	1965	1999	1981	1980	1981	1985	1965	1965	1954	1954	1941	

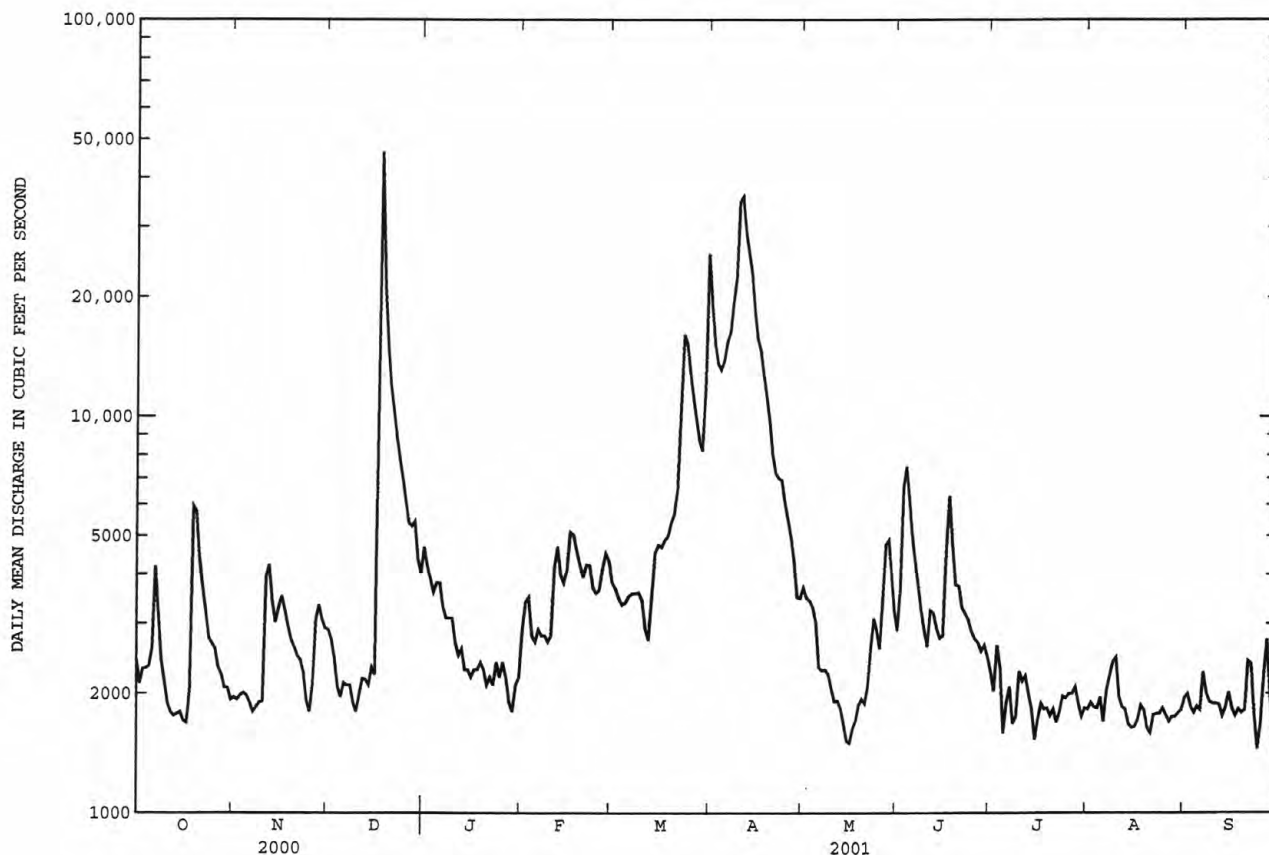
DELAWARE RIVER BASIN

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01438500 DELAWARE RIVER AT MONTAGUE, NJ--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1940 - 2001	
ANNUAL TOTAL	2351440		1576470		5680	
ANNUAL MEAN	6425		4319		8621	
HIGHEST ANNUAL MEAN					2309	
LOWEST ANNUAL MEAN					1952	
HIGHEST DAILY MEAN	46300	Dec 18	46300	Dec 18	187000	Aug 19 1955
LOWEST DAILY MEAN	1690	Oct 17	1340	Sep 30	412	Aug 23 1954
ANNUAL SEVEN-DAY MINIMUM	1780	Oct 11	1680	May 13	565	Jul 1 1965
MAXIMUM PEAK FLOW			58800	Dec 18	250000a	Aug 19 1955
MAXIMUM PEAK STAGE			17.08	Dec 18	35.15	Aug 19 1955
INSTANTANEOUS LOW FLOW			1140	Sep 30	382	Aug 24 1954
10 PERCENT EXCEEDS	13600		8400		12000	
50 PERCENT EXCEEDS	3960		2600		3410	
90 PERCENT EXCEEDS	2080		1780		1600	

a From rating curve extended above 90,000 ft³/s on basis of flood-routing study.
e Estimated.



RESERVOIRS IN DELAWARE RIVER BASIN

01416900 PEPACTION RESERVOIR.--Lat 42°04'38", long 74°58'04", Delaware County, Hydrologic Unit 02040102, near release chamber at Downsview Dam on East Branch Delaware River, and 1.6 mi east of Downsview. **DRAINAGE AREA**, 372 mi². **PERIOD OF RECORD**, September 1954 to current year. **REVISED RECORDS**, WDR NY-90-1: Drainage area. **GAGE**, water-stage recorder. Datum of gage is sea level (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, 151,170 mil gal, Apr. 17, elevation, 1,280.74 ft; minimum observed, 99,464 mil gal, Sept. 30, elevation, 1,249.53 ft.

01424997 CANNONVILLE RESERVOIR.--Lat 42°03'46", long 75°22'29", Delaware County, Hydrologic Unit 02040101, in emergency gate tower at Cannonville Dam on West Branch Delaware River, and 1.8 mi southeast of Stilesville. **DRAINAGE AREA**, 454 mi². **PERIOD OF RECORD**, October 1963 to current year. **REVISED RECORDS**, WDR NY-71-1: 1966. **GAGE**, water-stage recorder. Datum of gage is sea level (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), 11,901 mil gal, Nov. 7, 1968, elevation, 1,066.24 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 105,346 mil gal, Apr. 11, elevation, 1,154.18 ft; minimum observed, 36,964 mil gal, Sept. 30, elevation, 1,100.79 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 mi², 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 sea level (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 ft³ 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 ft³. 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 ft³, Mar. 14, 1977, elevation, 1,071.8 ft; minimum observed (after first filling), -141.4 mil ft³, Dec. 2, 1938, elevation, 987.5 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 1,355.0 mil ft³, Apr. 6, elevation, 1,069.2 ft; minimum observed, 889.3 mil ft³, Nov. 15, elevation, 1,056.4 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 mi². **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 sea level (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 ft³ 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 ft³. 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 ft³, July 20, 1945, elevation, 1,222.0 ft; minimum observed (after first filling), -26.8 mil ft³, Nov. 15, 1928, elevation, 1,144.5 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 841.2 mil ft³, July 16, elevation, 1,212.1 ft; minimum observed, 351.2 mil ft³, Jan. 24, 26, 29, elevation, 1,192.7 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 mi², 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 sea level (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 ft³ 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 ft³. 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 ft³, July 30, 31, 1945, elevation, 1,073.1 ft; minimum observed (after first filling), about -6.54 mil ft³, Mar. 16, 1963, elevation, 1,038.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 116.54 mil ft³, Apr. 6, elevation, 1,069.6 ft; minimum observed, 37.30 mil ft³, Nov. 15, elevation, 1,056.4 ft.

RESERVOIRS IN DELAWARE RIVER BASIN--Continued

01435900 NEVERSINK RESERVOIR.--Lat 41°49'27", long 74°38'20", Sullivan County, Hydrologic Unit 02040104, at a gatehouse at Neversink Dam on Neversink River, and 2 mi southwest of Neversink. **DRAINAGE AREA,** 92.5 mi². **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 sea level (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, 37,758 mil gal, Apr. 10, elevation, 1,441.23 ft; minimum observed, 20,738 mil gal, Sept. 29, elevation, 1,401.12 ft.

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft ³ /s)	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft ³ /s)	Elevation (feet) †	Contents (million ft ³)	Change in contents (equivalent in ft ³ /s)
01416900 Pepacton Reservoir				01424997 Cannonsville Reservoir			01433000 Swinging Bridge Reservoir		
Sept. 30	1,272.41	136,177		1,139.66	83,317		1,064.2	1,161.4	
Oct. 31	1,267.66	128,020	- 407	1,141.51	85,968	+ 132	1,059.5	993.1	- 62.8
Nov. 30	1,262.53	119,525	- 438	1,144.38	90,116	+ 214	1,058.0	942.1	- 19.7
Dec. 31	1,266.97	126,858	+ 366	1,151.05	100,308	+ 509	1,066.0	1,229.3	+107
CAL YR 2000	--	--	+ 73.0	--	--	+ 117	--	--	+ 1.0
Jan. 31	1,261.66	118,117	- 436	1,145.64	91,985	- 415	1,060.1	1,013.8	- 80.5
Feb. 28	1,261.08	117,182	- 51.7	1,149.52	97,888	+ 326	1,057.7	932.1	- 33.8
Mar. 31	1,262.55	119,557	+ 119	1,151.61	101,209	+ 166	1,064.9	1,187.6	+ 95.4
Apr. 30	1,279.38	148,659	+1,501	1,150.80	99,905	- 67.3	1,066.9	1,264.0	+ 29.5
May 31	1,273.61	138,282	- 518	1,147.45	94,739	- 258	1,063.4	1,131.8	- 49.4
June 30	1,274.31	139,517	+ 63.7	1,145.70	92,077	- 137	1,067.3	1,279.7	+ 57.1
July 31	1,266.78	126,539	- 648	1,136.95	79,573	- 624	1,064.7	1,180.1	- 37.2
Aug. 31	1,257.88	112,101	- 721	1,118.58	56,126	-1,170	1,061.7	1,070.2	- 41.0
Sept. 30	1,249.08	98,808	- 686	1,100.10	36,280	-1,024	1,061.3	1,056.0	- 5.5
WTR YR 2001	--	--	- 158	--	--	- 199	--	--	- 3.3
Date	Elevation (feet) †	Contents (million ft ³)	Change in contents (equivalent in ft ³ /s)	Elevation (feet) †	Contents (million ft ³)	Change in contents (equivalent in ft ³ /s)	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft ³ /s)
01433100 Toronto Reservoir				01433200 Cliff Lake			01435900 Neversink Reservoir		
Sept. 30	1,205.8	665.8		1,065.1	84.32		1,432.29	33,453	
Oct. 31	1,205.0	644.5	- 8.0	1,059.5	51.41	-12.3	1,425.31	30,310	-157
Nov. 30	1,198.5	480.0	-63.5	1,063.3	72.92	+ 8.3	1,414.75	25,890	-228
Dec. 31	1,199.9	513.9	+12.6	1,067.4	100.04	+10.1	1,428.98	31,938	+302
CAL YR 2000	--	--	+12.7	--	--	+ 0.5	--	--	+ 58.2
Jan. 31	1,192.7	351.2	-60.7	1,061.1	59.93	-15.0	1,431.81	33,231	+ 64.5
Feb. 28	1,194.8	395.7	+18.4	1,057.5	41.96	- 7.4	1,433.42	33,980	+ 41.4
Mar. 31	1,202.0	566.5	+63.8	1,065.2	84.98	+16.1	1,437.68	36,009	+101
Apr. 30	1,208.9	750.0	+70.8	1,066.9	96.47	+ 4.4	1,439.44	36,870	+ 44.4
May 31	1,209.2	758.4	+ 3.1	1,063.3	72.92	- 8.8	1,434.39	34,437	-121
June 30	1,211.2	815.1	+21.9	1,067.4	100.04	+10.5	1,433.95	34,228	- 10.8
July 31	1,208.3	733.5	-30.4	1,068.2	105.86	+ 2.2	1,424.59	29,997	-211
Aug. 31	1,201.3	548.8	-69.0	1,061.6	62.78	-16.1	1,412.48	24,988	-250
Sept. 30	1,197.9	465.8	-32.0	1,061.2	60.50	- 0.9	1,401.15	20,749	-219
WTR YR 2001	--	--	- 6.3	--	--	- 0.8	--	--	- 53.9

†† 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 2000 TO SEPTEMBER 2001

Month	01415200 <u>Pepacton Reservoir</u>	01423900 <u>Cannonsville Reservoir</u>	01435800 <u>Neversink Reservoir</u>
October.....	669	24.5	267
November.....	693	9.0	356
December.....	660	0.0	51.8
CAL YR 2000	546	190	170
January.....	686	602	14.8
February.....	693	539	41.9
March.....	462	394	34.2
April.....	376	133	125
May.....	716	292	221
June.....	205	248	231
July.....	694	240	233
August.....	694	307	217
September.....	743	286	258
WTR YR 2001	608	255	171

STREAMS TRIBUTARY TO LAKE ONTARIO

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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 Altnar.

DRAINAGE AREA.--238 mi².

PERIOD OF RECORD.--November 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 477.54 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Seasonal regulation of flow by Salmon River Reservoir at Redfield.

Extensive diurnal fluctuation caused by powerplants at Bennett Bridge and Lighthouse Hill operated by Orion Power New York.

Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,700 ft³/s, Jan. 8, 1998, gage height, 12.62 ft; minimum discharge not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 24,800 ft³/s, Dec. 29, 1984, gage height, 16.36 ft, on basis of contracted-opening measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,210 ft³/s, Apr. 12, gage height, 10.84 ft; minimum, 165 ft³/s, July 26, gage height, 5.19 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	757	387	1480	375	382	808	987	817	412	228	201	778
2	784	387	1440	372	382	815	964	487	262	240	197	421
3	776	386	1420	372	371	1230	956	456	261	221	371	402
4	749	382	1400	372	380	1470	980	447	277	215	740	395
5	750	381	1010	368	383	1510	1020	443	287	224	732	393
6	769	379	848	367	384	1500	1080	441	275	389	274	384
7	467	381	689	367	379	1440	1120	394	265	716	199	378
8	523	377	437	367	375	1440	1500	263	244	731	194	377
9	507	379	431	365	394	1440	2570	255	238	309	196	376
10	489	412	426	360	447	867	2860	251	233	215	207	377
11	456	436	428	365	488	827	2640	247	401	213	216	376
12	438	423	466	359	516	832	3510	276	684	216	209	374
13	426	407	461	356	458	470	6460	280	700	212	198	372
14	721	406	465	357	442	446	6220	262	453	211	193	372
15	749	422	443	359	815	441	5660	252	418	211	193	372
16	774	433	449	369	835	443	4400	244	244	211	198	372
17	788	451	742	362	828	782	3260	242	235	211	205	372
18	821	490	1410	358	823	809	2740	247	232	209	203	372
19	842	480	1770	358	814	806	2190	242	218	213	210	369
20	812	476	1680	353	815	551	1540	236	217	365	232	371
21	784	464	1160	351	817	507	1580	234	218	750	220	372
22	770	454	1140	353	860	649	1820	415	234	760	216	378
23	761	448	1110	347	804	932	5450	460	534	300	214	377
24	768	443	979	348	807	931	3080	815	1710	209	212	400
25	635	439	485	348	819	900	2760	832	1130	206	209	616
26	393	490	459	343	836	873	2030	829	804	203	207	562
27	392	725	442	346	826	1490	1510	839	453	198	209	484
28	391	835	433	348	815	1520	858	876	245	198	209	448
29	391	1570	439	347	---	1480	842	475	219	197	207	422
30	388	1540	426	351	---	1160	827	429	216	200	205	404
31	389	---	424	373	---	1070	---	419	---	198	390	---
TOTAL	19460	15683	25392	11136	17295	30439	73414	13405	12319	9179	7866	12466
MEAN	628	523	819	359	618	982	2447	432	411	296	254	416
MAX	842	1570	1770	375	860	1520	6460	876	1710	760	740	778
MIN	388	377	424	343	371	441	827	234	216	197	193	369

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	608	798	803	897	721	1055	1900	695	400
MAX	822	1295	1397	1704	1291	1598	2818	1315	768
(WY)	1996	1996	1997	1998	1996	1998	1993	1996	1999
MIN	405	245	390	359	532	549	512	261	214
(WY)	1999	1999	1999	2001	1995	1993	1995	1998	1995

SUMMARY STATISTICS

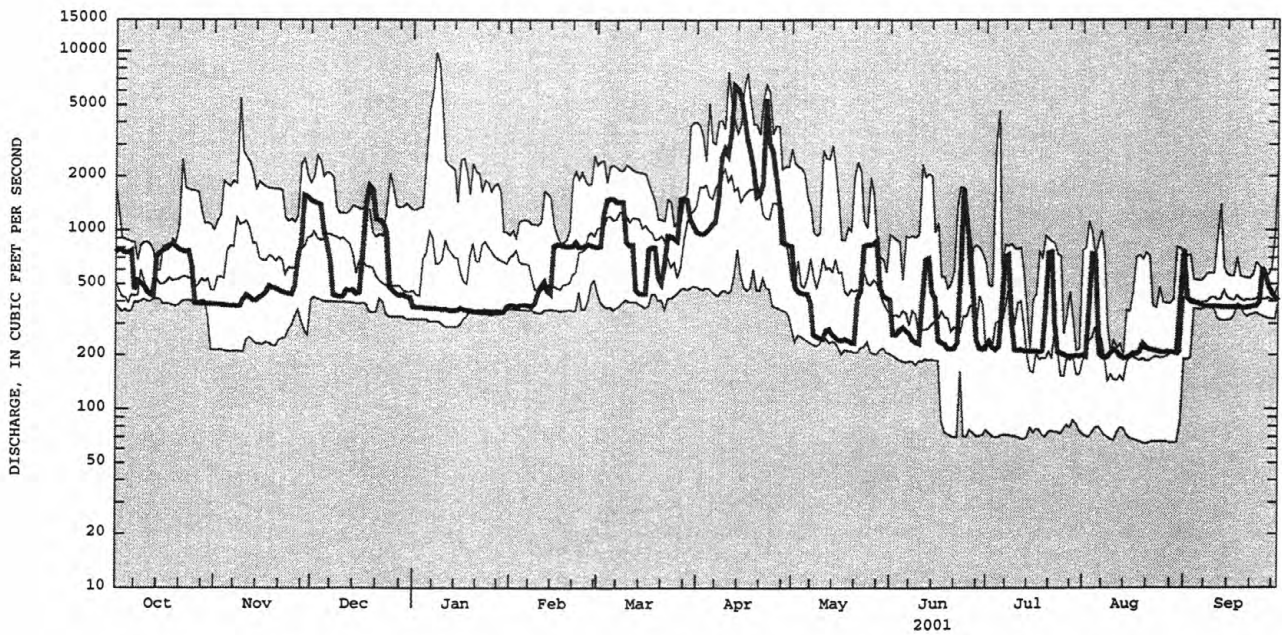
FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1993 - 2001

ANNUAL TOTAL	263078	248054	
ANNUAL MEAN	719	680	729
HIGHEST ANNUAL MEAN			920
LOWEST ANNUAL MEAN			548
HIGHEST DAILY MEAN	5120	Apr 5	9880
LOWEST DAILY MEAN	186	Aug 14	64
ANNUAL SEVEN-DAY MINIMUM	195	Jul 25	65
10 PERCENT EXCEEDS	1610		1570
50 PERCENT EXCEEDS	432		478
90 PERCENT EXCEEDS	216		201

STREAMS TRIBUTARY TO LAKE ONTARIO
04250200 SALMON RIVER AT PINEVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04252500 BLACK RIVER NEAR BOONVILLE, NY

LOCATION.--Lat 43°30'42", long 75°18'25", Oneida County, Hydrologic Unit 04150101, on left bank at downstream side of bridge on Moose River Road, 0.8 mi upstream from Sugar River, and 2 mi northeast of Boonville.

DRAINAGE AREA.--304 mi².

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 sea level. Prior to Sept. 27, 1933, nonrecording gage at same site and datum.

REMARKS.--Records good except those below 800 ft³/s, which are fair, and those for estimated daily discharges, which are poor. Occasional regulation by several headwater reservoirs. Forestport feeder diverts water from State Pond at Forestport 9 mi upstream. That portion of diverted water which does not pass Black River Canal (flowing south), returns to Black River downstream from station through Mill Creek sluiceway. Slight diurnal fluctuation at medium and low flow caused by mill upstream from station. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,800 ft³/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 ft³/s, Aug. 26, 1918, gage height, 2.40 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 13	1730	5,820	9.24	June 24	0715	*6,980	*9.69
Apr. 23	1400	5,170	8.96				

Minimum discharge, 93 ft³/s, Aug. 26; minimum gage height, 3.57 ft, Aug. 7, 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	260	343	872	e370	e310	e600	790	1030	606	592	157	739
2	264	325	650	e360	e400	e500	703	965	746	984	142	540
3	237	340	470	e340	e460	e440	661	969	884	824	168	297
4	245	307	e450	e330	e500	e410	677	912	1040	536	278	212
5	212	297	e440	e330	e460	e400	812	799	923	507	412	181
6	533	306	430	e320	e400	e410	967	783	723	456	182	155
7	624	303	423	e310	e350	e410	1070	671	564	422	101	158
8	506	274	384	e300	e310	e400	1700	589	481	385	122	140
9	458	286	e400	e300	e330	e370	2540	556	391	371	140	140
10	406	610	e440	e290	e600	e350	2900	538	363	336	173	130
11	404	844	e470	e280	e1600	e350	3010	491	496	309	180	124
12	386	662	e520	e280	e3500	e360	3520	464	1170	344	174	125
13	358	538	e560	e270	e2100	e400	5450	631	1140	388	168	117
14	341	463	e600	e270	e1200	e500	4870	545	642	329	165	113
15	317	646	e700	e270	e900	e560	3890	475	469	345	159	112
16	418	649	e820	e270	e740	e520	3410	438	399	318	157	112
17	610	588	e1500	e270	e660	e490	3020	386	497	344	230	107
18	772	598	e2700	e260	e600	e480	2710	383	480	324	528	110
19	946	530	e2200	e260	e560	e480	2250	389	368	294	212	117
20	716	486	e1400	e250	e520	e500	1890	383	293	260	306	168
21	561	473	e1000	e240	e480	e580	2000	349	303	227	477	317
22	471	445	e800	e240	e450	1020	3110	616	363	219	301	240
23	457	e360	e700	e230	e410	1130	4790	1300	2680	206	242	210
24	429	e320	e640	e220	e400	937	4280	1650	6540	216	322	273
25	414	e360	e600	e220	e430	756	3720	1270	3520	280	112	2020
26	397	625	e560	e220	e520	593	2720	878	1660	280	98	1490
27	408	1270	e500	e220	e720	602	1980	765	1110	256	170	735
28	372	1330	e460	e220	e840	602	1530	761	760	221	310	512
29	369	1250	e430	e220	---	530	1340	741	712	193	255	384
30	368	1090	e400	e230	---	680	1180	774	531	152	181	310
31	390	---	e390	e260	---	909	---	741	---	161	184	---
TOTAL	13649	16918	22909	8450	20750	17269	73490	22242	30854	11079	6806	10388
MEAN	440	564	739	273	741	557	2450	717	1028	357	220	346
MAX	946	1330	2700	370	3500	1130	5450	1650	6540	984	528	2020
MIN	212	274	384	220	310	350	661	349	293	152	98	107

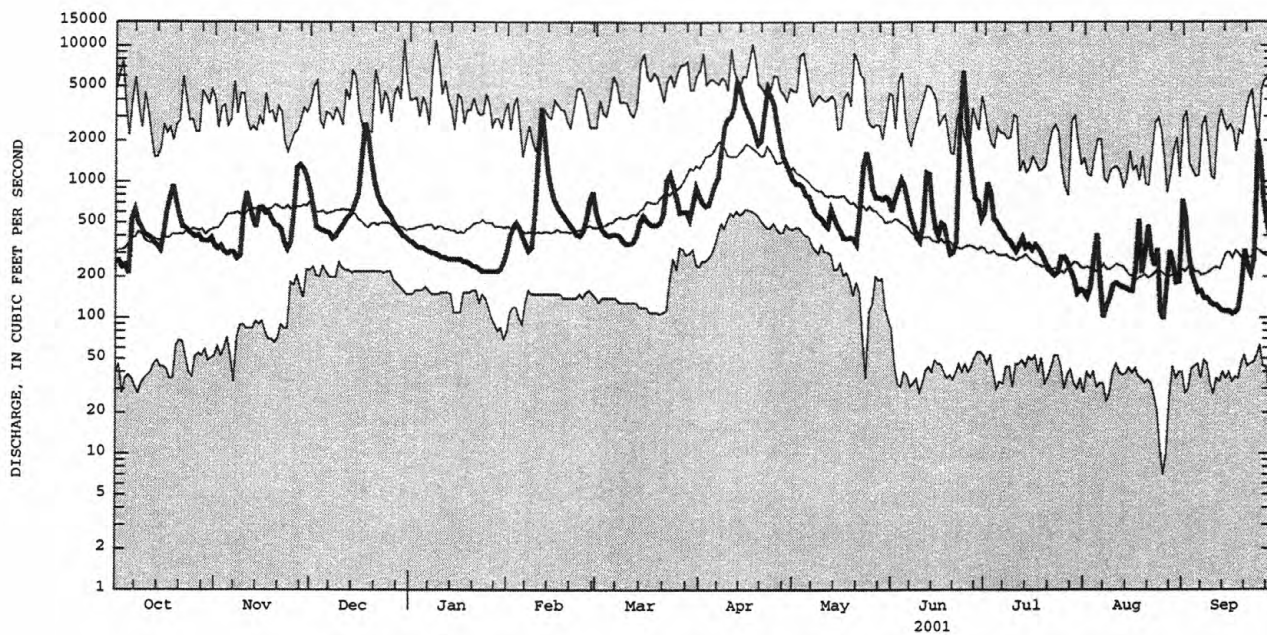
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2001, BY WATER YEAR (WY)

	MEAN	537	738	728	651	575	1017	1892	982	515	356	286	381
MAX	1695	1480	1759	1837	1410	2394	3313	2402	1707	980	760	1157	
(WY)	1946	1960	1974	1913	1981	1921	1993	1972	1917	1947	1986	1975	
MIN	55.0	149	260	158	167	302	692	328	55.0	55.4	41.5	49.4	
(WY)	1915	1931	1961	1931	1931	1931	1995	1941	1920	1913	1913	1913	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1911 - 2001
ANNUAL TOTAL	292472	254804	
ANNUAL MEAN	799	698	721
HIGHEST ANNUAL MEAN			1119
LOWEST ANNUAL MEAN			448
HIGHEST DAILY MEAN	4230	6540	11100
LOWEST DAILY MEAN	212	98	7.0
ANNUAL SEVEN-DAY MINIMUM	235	113	19
10 PERCENT EXCEEDS	1620	1330	1540
50 PERCENT EXCEEDS	538	440	470
90 PERCENT EXCEEDS	284	183	170

e Estimated

STREAMS TRIBUTARY TO LAKE ONTARIO
04252500 BLACK RIVER NEAR BOONVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

STREAMS TRIBUTARY TO LAKE ONTARIO

435

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 mi².

PERIOD OF RECORD.--July 1942 to current year.

REVISED RECORDS.--WDR NY-87-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 972.84 ft above sea level. Prior to Sept. 16, 1949, nonrecording gage at same site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite and telephone gage-height and rain-gage telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,420 ft³/s, Dec. 30, 1984, gage height, 13.34 ft, from rating curve extended above 2,100 ft³/s on basis of slope-area measurement of peak flow; minimum observed discharge, 18 ft³/s, Sept. 17, 1948, Aug. 4, 5, 1949, gage height, 2.85 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	--	al,600	ice jam	June 24	1045	1,550	6.66
Apr. 13	1500	*2,420	*7.65	Sept. 25	1615	2,230	7.44
Apr. 23	0945	1,900	7.07				

a About.

Minimum discharge, 26 ft³/s, Aug. 16, gage height, 3.37 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	64	255	e110	126	e130	160	188	142	149	30	315
2	50	64	e180	e110	140	e110	146	169	124	395	29	321
3	47	60	e170	e100	e130	e92	134	156	143	240	29	160
4	46	58	e150	e100	e120	e88	137	144	202	159	34	104
5	49	57	e140	e98	e110	e84	168	130	212	138	36	77
6	61	57	e130	e96	93	e86	214	116	172	137	34	61
7	77	55	e120	e94	89	e82	251	105	132	103	30	52
8	95	55	e110	e92	e90	e78	376	96	103	91	28	45
9	109	54	e110	e90	93	77	614	91	84	88	27	41
10	99	75	e120	e88	180	77	835	87	73	78	33	38
11	88	139	e130	e86	e350	e76	1000	81	72	73	46	40
12	78	136	e150	e85	e500	e78	1310	104	130	101	41	37
13	69	120	e160	e82	e400	84	2270	217	128	139	35	36
14	65	112	e170	e80	265	114	1740	186	94	122	31	34
15	60	133	e190	e78	182	129	1230	145	72	112	28	32
16	80	146	e220	77	e160	125	1020	119	67	98	27	31
17	175	139	e500	82	e140	110	907	100	92	81	42	30
18	189	134	e1500	e80	e130	105	790	92	93	70	56	29
19	206	122	e860	75	e120	e100	634	89	69	60	55	28
20	174	114	e560	e74	e110	e100	536	83	56	54	89	30
21	139	109	e350	e72	e110	101	634	75	50	48	165	35
22	117	99	e280	e70	e100	168	1090	94	59	45	119	38
23	99	e98	e230	e68	e92	228	1630	311	429	43	80	38
24	88	e96	e210	66	e84	211	1140	451	1360	43	61	55
25	82	e100	e180	e66	e86	178	880	332	695	41	48	1720
26	78	e120	e150	e66	e110	187	525	212	322	41	41	1170
27	73	417	e140	64	e130	165	377	169	198	37	48	454
28	68	665	e130	63	e160	124	310	182	139	35	65	277
29	67	523	e120	65	---	118	256	177	110	33	69	198
30	67	350	e120	66	---	122	214	163	99	34	58	151
31	66	---	e110	86	---	157	---	164	---	32	51	---
TOTAL	2813	4471	7945	2529	4400	3684	21528	4828	5721	2920	1565	5677
MEAN	90.7	149	256	81.6	157	119	718	156	191	94.2	50.5	189
MAX	206	665	1500	110	500	228	2270	451	1360	395	165	1720
MIN	46	54	110	63	84	76	134	75	50	32	27	28
CFSM	1.02	1.68	2.89	.92	1.77	1.34	8.09	1.76	2.15	1.06	.57	2.13
IN.	1.18	1.88	3.33	1.06	1.85	1.55	9.03	2.02	2.40	1.22	.66	2.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2001, BY WATER YEAR (WY)

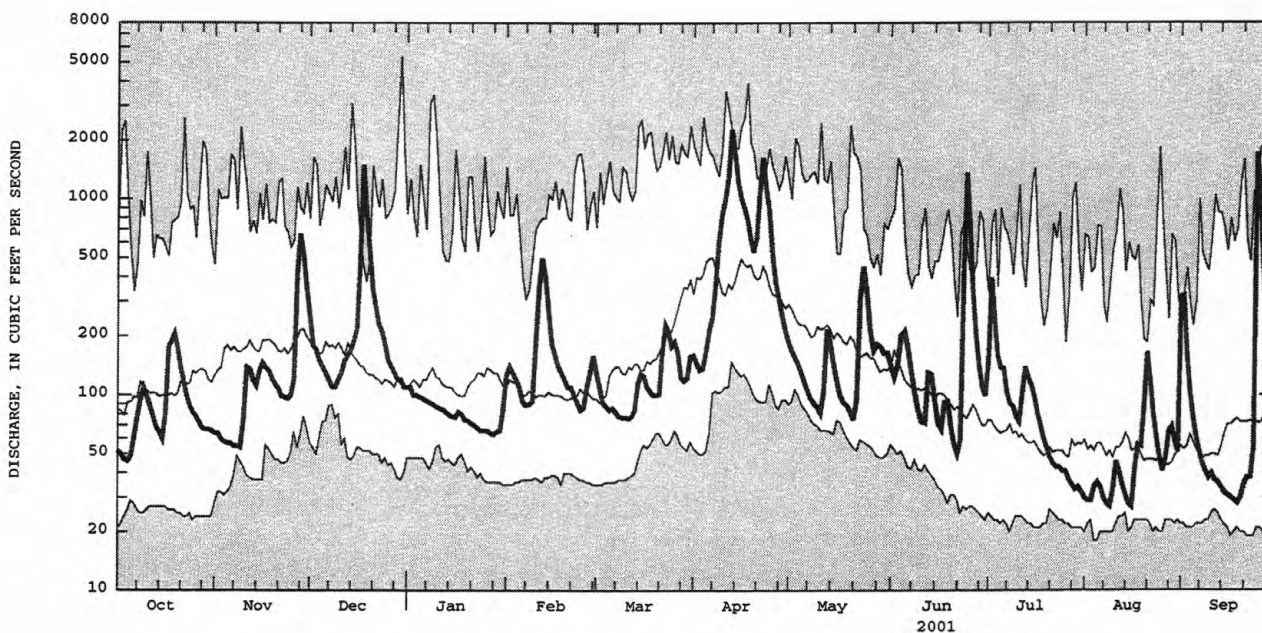
MEAN	159	225	205	169	151	277	517	257	130	88.4	78.8	107
MAX	509	427	524	489	392	707	1014	712	325	257	268	309
(WY)	1946	1989	1985	1998	1981	1945	1993	1971	1972	1947	1998	1981
MIN	26.4	74.8	59.3	45.1	44.1	95.5	147	77.3	40.1	26.3	25.4	23.1
(WY)	1964	1967	1961	1961	1963	1970	1995	1987	1949	1966	1944	1964

e Estimated

STREAMS TRIBUTARY TO LAKE ONTARIO

04256000 INDEPENDENCE RIVER AT DONNATTSBURG, NY--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1942 - 2001	
ANNUAL TOTAL	84637		68081		197	
ANNUAL MEAN	231		187		292	
HIGHEST ANNUAL MEAN					132	
LOWEST ANNUAL MEAN					5410	
HIGHEST DAILY MEAN	2450	May 11	2270	Apr 13	18	Aug 4 1949
LOWEST DAILY MEAN	37	Sep 10	27	Aug 9	20	Aug 4 1949
ANNUAL SEVEN-DAY MINIMUM	39	Sep 6	31	Sep 14	2.22	
ANNUAL RUNOFF (CFSM)	2.61		2.10		30.17	
ANNUAL RUNOFF (INCHES)	35.50		28.55		418	
10 PERCENT EXCEEDS	500		376		120	
50 PERCENT EXCEEDS	128		103		42	
90 PERCENT EXCEEDS	60		41			



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 mi².

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 sea level, 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 ft³ 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 ft³, 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 ft³; minimum observed since first filling, 1,644.80 ft, Mar. 25-27, 1949, contents, 8 mil ft³.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,675.18 ft, May 2, 3, contents, 3,601 mil ft³; minimum observed, 1,651.26 ft, Aug. 10, contents, 126 mil ft³.

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

1,658.0	604	1,670.0	2,431
1,660.0	821	1,675.0	3,556
1,665.0	1,518	1,680.0	4,916

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1669.27	1666.31	1666.84	1669.81	1667.50	1661.28	1656.58	1675.13	1671.78	1667.21	1655.50	1653.05
2	1669.15	1666.25	1666.97	1669.81	1667.28	1660.94	1656.46	1675.16	1671.63	1667.02	1654.70	1653.25
3	1669.02	1666.18	1667.04	1669.80	1667.04	1660.57	1656.32	1675.16	1671.51	1666.78	1654.16	1653.45
4	1668.91	1666.11	1667.09	1669.80	1666.76	1660.19	1656.17	1675.14	1671.38	1666.53	1653.40	1653.58
5	1668.81	1666.04	1667.12	1669.79	1666.50	1659.82	1656.03	1675.10	1671.23	1666.24	1652.57	1653.70
6	1668.72	1665.97	1667.15	1669.78	1666.24	1659.47	1655.94	1675.03	1671.06	1665.95	1651.80	1653.77
7	1668.59	1665.91	1667.17	1669.77	1665.97	1659.09	1655.87	1674.92	1670.87	1665.65	1651.41	1653.80
8	1668.47	1665.83	1667.17	1669.75	1665.69	1658.71	1655.96	1674.79	1670.67	1665.37	1651.47	1653.75
9	1668.35	1665.77	1667.16	1669.73	1665.47	1658.56	1656.58	1674.67	1670.45	1665.06	1651.35	1653.69
10	1668.23	1665.77	1667.15	1669.72	1665.51	1658.49	1657.42	1674.53	1670.23	1664.79	1651.32	1653.57
11	1668.11	1665.76	1667.15	1669.68	1665.50	1658.40	1658.35	1674.39	1670.06	1664.60	1651.53	1653.43
12	1667.99	1665.74	1667.22	1669.65	1665.45	1658.30	1659.42	1674.28	1669.96	1664.38	1651.69	1653.37
13	1667.87	1665.70	1667.26	1669.62	1665.33	1658.24	1661.15	1674.19	1669.79	1664.13	1651.77	1653.35
14	1667.74	1665.66	1667.33	1669.58	1665.17	1658.19	1662.69	1674.05	1669.59	1663.86	1651.82	1653.35
15	1667.63	1665.65	1667.36	1669.55	1665.03	1658.12	1663.78	1673.91	1669.39	1663.59	1651.85	1653.34
16	1667.59	1665.64	1667.38	1669.53	1664.83	1658.02	1664.70	1673.75	1669.16	1663.30	1651.83	1653.34
17	1667.56	1665.63	1667.66	1669.51	1664.62	1657.92	1665.53	1673.56	1668.98	1662.97	1651.93	1653.32
18	1667.53	1665.64	1668.36	1669.47	1664.38	1657.80	1666.28	1673.39	1668.75	1662.62	1652.04	1653.31
19	1667.51	1665.64	1668.84	1669.43	1664.13	1657.68	1666.92	1673.21	1668.48	1662.24	1652.12	1653.30
20	1667.47	1665.63	1669.15	1669.40	1663.86	1657.55	1667.48	1673.02	1668.23	1661.85	1652.33	1653.28
21	1667.39	1665.61	1669.29	1669.35	1663.59	1657.42	1668.09	1672.84	1667.97	1661.43	1652.59	1653.23
22	1667.32	1665.60	1669.40	1669.31	1663.30	1657.42	1669.14	1672.73	1667.71	1661.00	1652.81	1653.12
23	1667.23	1665.57	1669.49	1669.26	1663.00	1657.38	1670.64	1672.74	1667.75	1660.57	1652.94	1652.99
24	1667.13	1665.54	1669.56	1669.22	1662.69	1657.33	1671.83	1672.74	1668.17	1660.11	1652.97	1652.89
25	1667.03	1665.49	1669.62	1669.13	1662.42	1657.27	1672.84	1672.67	1668.29	1659.67	1652.93	1653.16
26	1666.92	1665.51	1669.66	1668.88	1662.18	1657.18	1673.51	1672.55	1668.20	1659.19	1652.86	1654.25
27	1666.81	1665.73	1669.71	1668.63	1661.91	1657.07	1674.01	1672.44	1668.04	1658.65	1652.86	1654.55
28	1666.69	1666.12	1669.73	1668.38	1661.61	1656.95	1674.45	1672.33	1667.86	1658.08	1652.92	1654.72
29	1666.55	1666.45	1669.76	1668.12	---	1656.82	1674.81	1672.19	1667.65	1657.50	1652.95	1654.82
30	1666.45	1666.67	1669.77	1667.87	---	1656.74	1675.07	1672.06	1667.41	1656.89	1652.95	1654.88
31	1666.38	---	1669.80	1667.70	---	1656.68	---	1671.91	---	1656.22	1652.92	---
MEAN	1667.76	1665.84	1668.21	1669.32	1664.75	1658.25	1664.13	1673.70	1669.41	1662.69	1652.53	1653.59
MAX	1669.27	1666.67	1669.80	1669.81	1667.50	1661.28	1675.07	1675.16	1671.78	1667.21	1655.50	1654.88
MIN	1666.38	1665.49	1666.84	1667.70	1661.61	1656.68	1655.87	1671.91	1667.41	1656.22	1651.32	1652.89
†	1744	1816	2392	1967	1002	476	3584	2822	1914	410	208	336
††	-206	+27.8	+215	-159	-399	-196	+1,199	-284	-350	-562	-75.4	+49.4
CAL YR 2000	MEAN 1672.63	MAX 1679.30	MIN 1665.49	†† +7.11								
WTR YR 2001	MEAN 1664.19	MAX 1675.16	MIN 1651.32	†† -62.2								

† 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 Aug. 3-15, Sept. 3-4, 9-12, 21-25, computed based on readings at 0800 hours.

STREAMS TRIBUTARY TO LAKE ONTARIO

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 mi².

PERIOD OF RECORD.--September 1930 to current year.

REVISED RECORDS.--WDR NY-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 806.20 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Stillwater Reservoir (see station 04256500). Between Stillwater Dam and this station, flow is further regulated by several powerplant ponds. Diurnal fluctuation at low and medium flow. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,100 ft³/s, May 21, 1969, gage height, 6.98 ft; minimum, 11 ft³/s, Jan. 22, 29, Feb. 4, 1967, gage height, 0.63 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,060 ft³/s, Sept. 25, gage height, 5.54 ft; minimum, 69 ft³/s, Aug. 12, gage height, 1.25 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	515	397	465	409	964	969	544	844	859	840	855	250
2	543	415	404	405	962	959	447	844	888	795	840	220
3	566	344	336	340	855	885	566	843	898	785	844	188
4	581	302	329	526	e800	892	643	836	760	805	844	161
5	521	305	328	404	e780	860	624	836	958	838	664	144
6	603	369	322	412	776	868	734	858	892	858	424	129
7	534	336	322	362	865	741	928	913	930	746	309	127
8	595	319	317	403	875	747	1050	909	945	852	449	121
9	484	308	316	363	861	756	1380	895	932	819	385	121
10	430	349	316	e360	920	490	1280	894	929	782	237	234
11	504	414	318	e350	1200	539	1210	892	872	899	90	219
12	361	406	436	358	1340	472	1180	911	937	890	73	142
13	313	388	435	360	1180	399	2390	963	940	837	81	141
14	460	367	449	368	1110	412	1940	960	848	901	105	127
15	489	354	381	362	1040	581	1430	920	886	898	107	116
16	590	412	395	340	1010	545	1090	938	885	898	110	112
17	590	591	859	401	964	508	1030	959	893	908	134	106
18	645	470	1430	327	e940	450	965	948	886	924	124	86
19	710	461	1180	359	e920	523	860	928	789	872	127	95
20	637	519	763	366	901	521	526	869	818	824	271	100
21	584	508	682	353	738	512	568	925	821	812	194	105
22	612	462	462	367	795	634	978	911	786	833	155	105
23	454	493	387	359	872	813	1630	958	971	689	148	124
24	353	445	575	349	897	878	1370	1110	1600	831	134	231
25	489	451	472	486	839	658	1130	1260	1650	810	122	2490
26	484	547	460	805	810	594	784	1100	1120	800	129	2090
27	459	625	477	772	897	509	504	999	984	779	219	827
28	480	819	463	742	915	583	358	998	939	739	331	175
29	519	1120	369	781	---	561	342	990	924	767	183	168
30	398	740	333	721	---	577	502	864	834	768	198	135
31	378	---	392	853	---	613	---	847	---	772	205	---
TOTAL	15881	14036	15173	14163	26026	20049	28983	28922	28374	25571	9091	9389
MEAN	512	468	489	457	930	647	966	933	946	825	293	313
MAX	710	1120	1430	853	1340	969	2390	1260	1650	924	855	2490
MIN	313	302	316	327	738	399	342	836	760	689	73	86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2001, BY WATER YEAR (WY)

	MEAN	517	576	644	683	708	706	822	727	524	497	522	509
MAX	944	1144	1190	1486	1519	1490	1561	1977	1184	863	913	824	
(WY)	1946	1989	1978	1978	1973	1976	2000	1943	1947	1972	1986	1986	
MIN	263	160	175	315	292	321	298	199	244	174	293	313	
(WY)	1961	1940	1940	1961	1956	1967	1995	1941	1941	1965	2001	2001	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1930 - 2001

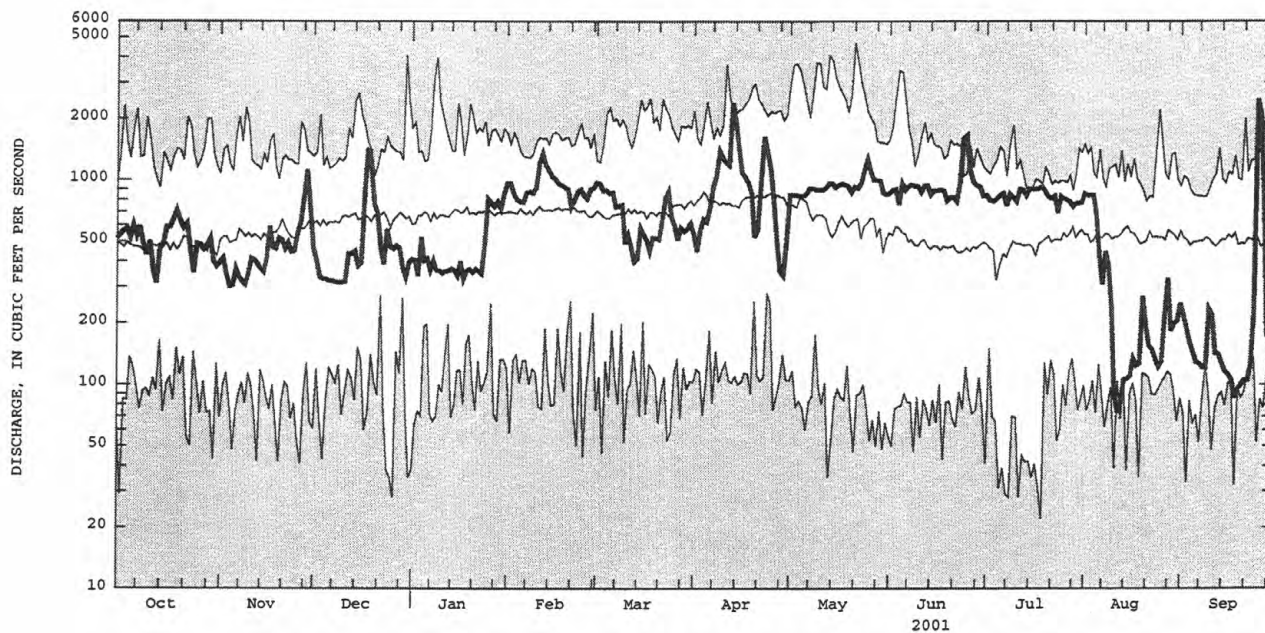
ANNUAL TOTAL	287699	235658	
ANNUAL MEAN	786	646	619
HIGHEST ANNUAL MEAN			916
LOWEST ANNUAL MEAN			361
HIGHEST DAILY MEAN	2610	2490	4700
LOWEST DAILY MEAN	302	73	22
ANNUAL SEVEN-DAY MINIMUM	320	100	37
10 PERCENT EXCEEDS	1450	970	980
50 PERCENT EXCEEDS	636	603	580
90 PERCENT EXCEEDS	379	186	285

e Estimated

STREAMS TRIBUTARY TO LAKE ONTARIO

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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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft³/s and maximum (*):

Minimum discharge, 249 ft³/s, Nov. 24, gage height, 1.37 ft.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1770	2090	7140	e2700	3230	3910	4490	7770	3620	3530	1520	1470
2	1740	2060	5770	e2600	3920	3790	4330	6810	3320	4530	1580	2640
3	1880	1950	3820	e2500	3720	3380	4360	6070	3310	5550	1600	2900
4	1640	1840	3160	e2400	e3500	3200	4750	5580	3940	5710	1680	2130
5	1750	1740	3010	e2400	e3400	3070	5230	5300	4230	4890	1850	1430
6	1710	1720	2340	e2400	3300	2970	6070	4840	4380	4250	1630	1340
7	2230	1760	2770	e2300	3150	2850	6860	4210	3630	3580	1330	1160
8	2830	1750	e2300	e2300	3080	2750	8930	3970	3390	3060	1130	1070
9	3110	1630	e2000	e2200	3170	2800	13700	3300	2890	2990	1090	946
10	2720	1780	e2100	e2200	4690	2720	15600	3060	2710	2600	1050	925
11	2570	2920	2280	e2200	6650	2460	17100	3190	2700	2550	933	1050
12	2210	3610	2620	e2100	7050	2360	19300	3060	2550	2450	852	953
13	1910	3270	e2800	e2100	7090	2400	24100	3390	3820	2370	775	901
14	1870	2840	e3000	e2100	7130	2540	28200	4170	4170	2500	755	847
15	1910	2830	e3100	e2200	6820	3050	27800	3710	3380	2650	774	761
16	2260	3270	e2800	2360	6270	3310	24300	3440	2870	2580	712	770
17	2840	3920	5380	2300	5770	3270	20500	3120	2650	2470	769	744
18	3490	4160	8800	2310	5090	3010	17700	2960	2590	2440	787	737
19	4150	3860	9520	2100	4700	2930	15600	2710	2580	2370	1030	729
20	4330	3510	10700	e2000	4160	2870	13800	2750	2250	2200	1330	802
21	3690	3170	e11000	e2000	3920	2930	12200	2600	2080	1970	1800	815
22	3350	3030	9930	e2000	3610	3620	12200	2680	2110	1920	2080	1060
23	2920	2840	8230	e2000	3440	5000	13600	3410	2770	1810	1870	1000
24	2500	2450	6850	e2000	3180	5500	17300	5310	6240	1710	1320	1090
25	2400	2320	5430	e1900	3470	5330	20100	6220	8780	1760	1350	4710
26	2210	3020	e3400	e1500	3540	4690	19200	6020	12200	1800	1170	9930
27	2220	6740	e3300	e1200	4080	3790	16100	4870	12400	1830	1180	10400
28	2160	8520	e3200	e1900	4250	3640	12900	4150	10200	1660	1230	9210
29	2070	8700	e3000	e2100	---	3490	10600	4140	7810	1630	1610	6730
30	2240	8310	e2500	e2100	---	3430	8940	3840	5360	1350	1300	4070
31	2200	---	e2600	e2400	---	3850	---	3790	---	1520	1330	---
TOTAL	76880	101610	144850	66870	125380	104910	425860	130440	134930	84230	39417	73320
MEAN	2480	3387	4673	2157	4478	3384	14200	4208	4498	2717	1272	2444
MAX	4330	8700	11000	2700	7130	5500	28200	7770	12400			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2001, BY WATER YEAR (WY)

MEAN	3112	4343	4439	4123	3658	6074	10000	5398	2747	2040	1773	2163
MAX	9058	8440	9944	12040	9181	13590	19180	12790	8235	5266	4083	5011
(WY)	1946	1989	1997	1998	1981	1921	1993	1943	1947	1972	1986	1975
MIN	1149	1116	1403	1173	1289	1776	3460	1600	991	925	730	919
(WY)	1964	1931	1923	1961	1931	1940	1995	1941	1941	1965	1923	1923

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

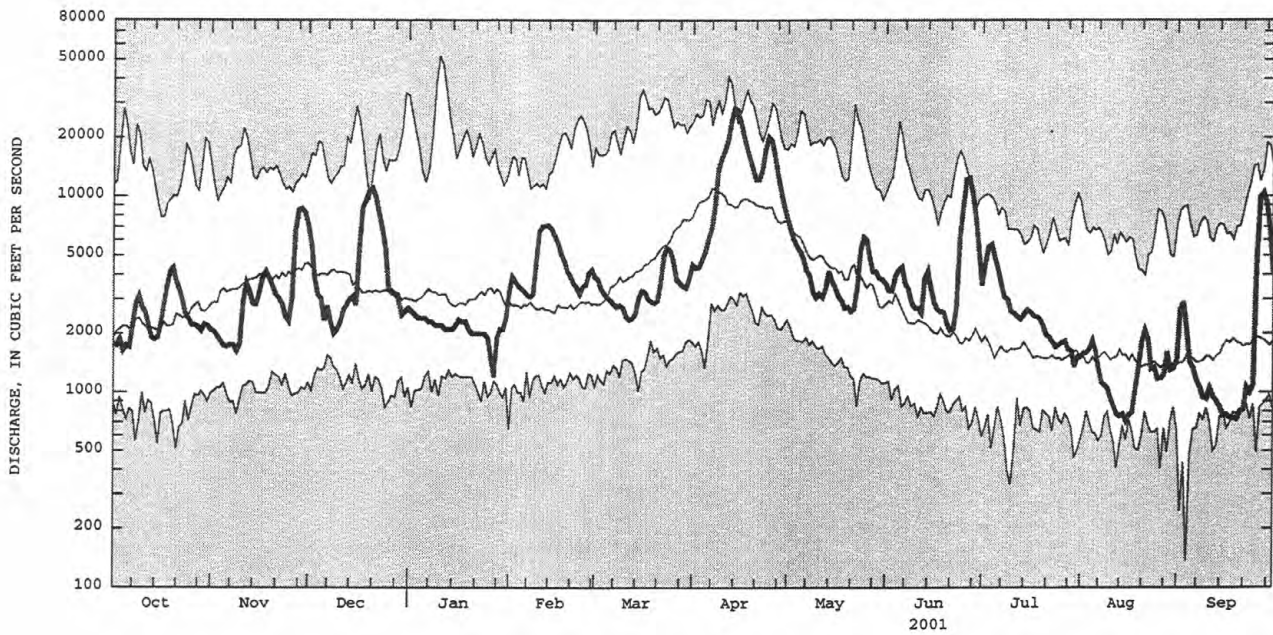
WATER YEARS 1920 - 2001

ANNUAL TOTAL	1896800		1508697			
ANNUAL MEAN	5183		4133		4154	
HIGHEST ANNUAL MEAN					6392	1976
LOWEST ANNUAL MEAN					2579	1931
HIGHEST DAILY MEAN	20200	May 14	28200	Apr 14	52000	Jan 10 1998
LOWEST DAILY MEAN	1600	Sep 7	712	Aug 16	137	Sep 4 1939
ANNUAL SEVEN-DAY MINIMUM	1750	Nov 4	765	Sep 15	637	Aug 15 1923
10 PERCENT EXCEEDS	10800		8590		8850	
50 PERCENT EXCEEDS	3380		2900		2820	
90 PERCENT EXCEEDS	1940		1330		1270	

e Estimated

STREAMS TRIBUTARY TO LAKE ONTARIO
04260500 BLACK RIVER AT WATERTOWN, NY--Continued

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CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

LAKES AND RESERVOIRS IN STREAMS TRIBUTARY TO LAKE ONTARIO

04253300 SIXTH LAKE.--Lat 43°44'43", long 74°46'58", Hamilton County, Hydrologic Unit 04150101, on dam at outlet of Sixth Lake at Inlet, and 11.2 mi upstream from dam at Old Forge. **DRAINAGE AREA**, 18.6 mi². **PERIOD OF RECORD**, November 1911 to current year. **GAGE**, nonrecording gage read daily at 0800. Datum of gage is sea level (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 ft³ 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 ft³, Oct. 3, 1945, elevation, 1,787.1 ft; minimum observed, less than 0.90 mil ft³, Nov. 18, 1943, water level below elevation 1,775.6 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 302.3 mil ft³, June 24, elevation, 1,786.18 ft; minimum observed, 175.1 mil ft³, Feb. 7-8, elevation, 1,782.12 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 mi². **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 sea level (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 ft³, elevation, 1,707.0 ft. Usable capacity without flashboards, 764.3 mil ft³, 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 ft³, June 17, 1972, elevation, 1,707.9 ft; minimum observed, 6.50 mil ft³, Nov. 3, 1939, elevation, 1,699.8 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 931.2 mil ft³, June 25, elevation, 1,707.30 ft; minimum observed, 448.2 mil ft³, Feb. 5-6, elevation, 1,703.60 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 2000 TO SEPTEMBER 2001

Date	Elevation (feet) †	Contents (million ft ³)	Change in contents (equivalent in ft ³ /s)	Elevation (feet) †	Contents (million ft ³)	Change in contents (equivalent in ft ³ /s)
04253300 Sixth Lake				04253400 First Lake		
Sept. 30	1,785.58	283.1		1,706.81	864.6	
Oct. 31	1,784.26	241.3	-15.6	1,705.87	739.8	-46.6
Nov. 30	1,782.99	201.9	-15.2	1,704.53	565.6	-67.2
Dec. 31	1,782.42	184.0	- 6.68	1,704.27	531.8	-12.6
CAL YR 2000	--	--	- 0.04	--	--	+ 3.16
Jan. 31	1,782.21	177.8	- 2.32	1,703.65	454.2	-29.0
Feb. 28	1,782.40	183.3	+ 2.28	1,703.96	493.4	+16.2
Mar. 31	1,782.50	186.7	+ 1.27	1,704.45	555.2	+23.1
Apr. 30	1,784.34	243.8	+22.0	1,705.91	745.0	+73.2
May 31	1,785.47	279.6	+13.4	1,706.91	878.0	+49.6
June 30	1,785.79	289.9	+ 3.97	1,706.95	883.2	+ 2.01
July 31	1,785.53	281.5	- 3.14	1,706.84	868.8	- 5.39
Aug. 31	1,785.57	282.8	+ 0.48	1,706.81	864.6	- 1.57
Sept. 30	1,785.49	280.3	- 0.96	1,706.81	864.6	0.00
WTR YR 2001	--	--	- 0.09	--	--	0.00

† 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 Orion Power New York Flat Rock powerplant, and 2.8 mi north of Oswegatchie.

DRAINAGE AREA.--259 mi².

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. Datum of gage is 1,016.52 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Extensive diurnal fluctuation at low and medium flow caused by powerplant. Since 1867, flow regulated by Cranberry Lake. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,090 ft³/s, Apr. 12, 1947; maximum gage height, 7.3 ft, Apr. 26, 1926; minimum discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,700 ft³/s, Apr. 13, gage height, 5.79 ft; minimum, 157 ft³/s, July 24, 25, Aug. 9, 16, 17, 24, 26, gage height, 2.11 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	278	230	756	e620	400	343	616	725	695	287	161	1560
2	273	258	699	e700	320	325	623	641	586	391	161	1330
3	257	294	e520	e660	347	379	711	733	558	567	163	724
4	255	279	e500	e620	281	361	712	714	553	543	164	677
5	256	282	e470	637	393	370	710	713	661	514	163	480
6	255	310	e400	665	335	327	825	557	549	491	163	430
7	279	452	e660	680	360	328	785	457	513	299	163	318
8	304	353	e620	670	360	327	1050	437	410	315	159	298
9	316	265	e500	568	355	406	1490	478	329	275	159	288
10	283	234	e260	657	890	357	1710	319	327	265	159	288
11	287	252	e260	686	796	362	1890	322	399	219	159	290
12	240	487	e480	678	587	339	2200	326	310	421	159	249
13	240	218	e450	578	595	328	2580	380	271	340	159	214
14	272	251	e470	636	599	476	2230	422	262	340	159	264
15	279	483	e490	627	418	470	2110	331	241	249	159	275
16	261	364	e500	670	522	455	2000	261	240	285	159	229
17	251	388	e900	611	453	415	1880	271	294	306	159	218
18	253	403	e1300	662	414	326	1740	249	244	277	159	223
19	353	340	e1200	609	448	336	1550	265	239	256	160	216
20	301	279	e960	662	501	391	1420	301	237	255	166	193
21	247	462	e680	669	369	348	1450	384	240	253	292	192
22	253	342	e840	594	337	438	1720	698	235	227	244	193
23	401	422	e800	583	309	447	1900	883	271	205	250	186
24	295	277	e740	466	316	463	1460	832	493	194	192	213
25	259	311	e700	401	451	541	955	807	536	184	188	2080
26	254	378	e640	294	458	726	847	638	630	163	185	1360
27	280	799	e580	414	490	857	829	607	512	164	720	939
28	309	1130	e640	335	392	728	786	615	465	163	468	755
29	290	976	e680	311	---	884	830	611	378	162	578	526
30	286	837	e640	269	---	746	696	500	487	161	514	359
31	263	---	e540	378	---	622	---	602	---	161	589	---
TOTAL	8630	12356	19875	17610	12496	14221	40305	16079	12165	8932	7433	15567
MEAN	278	412	641	568	446	459	1344	519	406	288	240	519
MAX	401	1130	1300	700	890	884	2580	883	695	567	720	2080
MIN	240	218	260	269	281	325	616	249	235	161	159	186

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2001, BY WATER YEAR (WY)

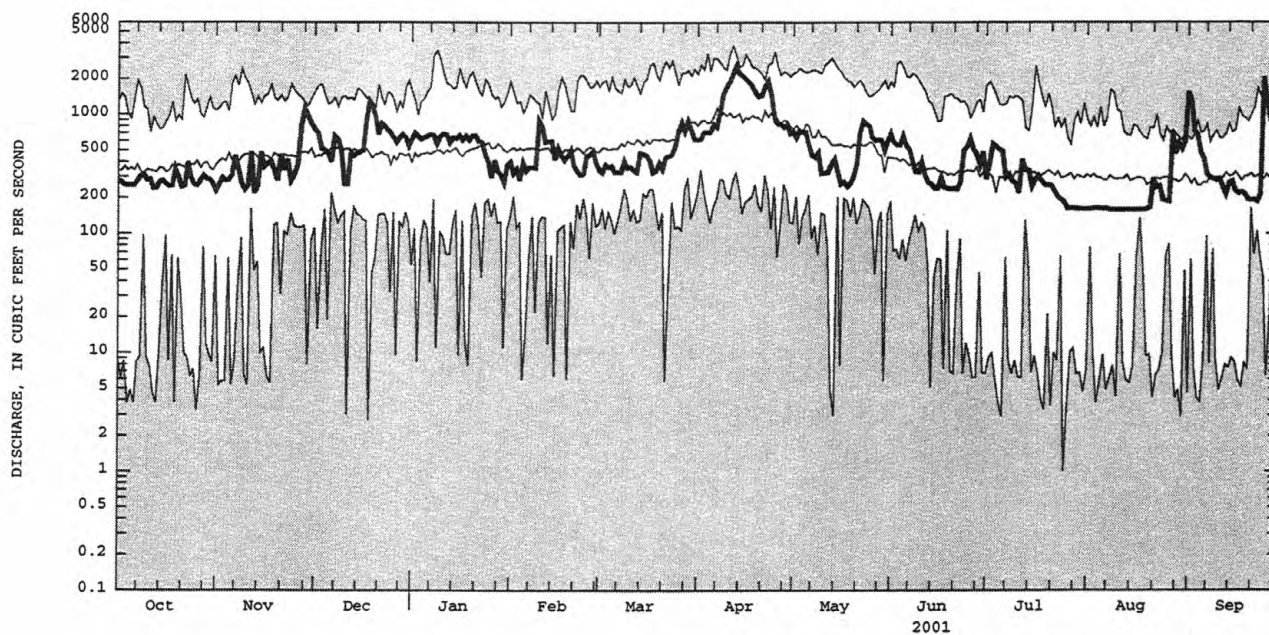
	MEAN	396	505	521	565	535	696	1023	690	417	336	307	328
MAX	685	1048	1097	1306	970	1161	1787	1659	1218	930	632	719	
(WY)	1946	1989	1928	1998	1947	1990	1947	1943	1947	1996	1989	1957	
MIN	189	177	239	230	225	288	302	219	170	131	147	152	
(WY)	1942	1940	1935	1931	1931	1931	1995	1941	1988	1991	1999	1990	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR			FOR 2001 WATER YEAR			WATER YEARS 1925 - 2001		
ANNUAL TOTAL	244342			185669					
ANNUAL MEAN	668			509			526		
HIGHEST ANNUAL MEAN							884		
LOWEST ANNUAL MEAN							311		
HIGHEST DAILY MEAN	2630			May 11			2580		
LOWEST DAILY MEAN	200			Feb 18			159		
ANNUAL SEVEN-DAY MINIMUM	232			Sep 14			159		
10 PERCENT EXCEEDS	1360						834		
50 PERCENT EXCEEDS	500						393		
90 PERCENT EXCEEDS	255						210		

e Estimated

ST. LAWRENCE RIVER BASIN

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 mi², corrected.

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 sea level. Prior to Nov. 30, 1933, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Since June 1985, extensive diurnal fluctuation and slight regulation caused by powerplant upstream from station. Several measurements of water temperature were made during the year. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,700 ft³/s, Jan. 9, 1998, gage height, 10.64 ft; minimum discharge prior to regulation, 25 ft³/s, Sept. 1, 1934, gage height, 0.86 ft; minimum discharge since regulation, 20 ft³/s, Aug. 11, 1985, gage height, 0.83 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 13	2030	*5,400	*8.20	Sept. 26	1100	3,800	6.77

Minimum discharge, 57 ft³/s, Aug. 14, gage height, 1.24 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	146	1400	318	358	441	489	647	368	197	73	1010
2	180	139	1060	308	392	385	478	574	334	227	70	1380
3	166	138	e800	302	e270	345	512	544	333	263	74	790
4	152	145	e720	294	e260	307	570	510	487	231	82	432
5	146	138	554	285	e250	285	711	462	607	220	85	305
6	152	137	428	279	e240	273	886	409	592	191	76	226
7	190	143	e370	e270	e230	e260	979	360	492	163	69	185
8	224	141	e320	e260	276	e250	1270	321	386	152	68	156
9	245	136	e300	e250	306	e240	2480	298	309	153	84	131
10	248	161	292	e240	716	e230	3180	281	250	151	101	123
11	234	261	292	e240	1110	e230	3250	262	222	196	95	112
12	217	326	327	e230	1420	246	3370	277	267	294	94	105
13	202	321	e350	e230	1370	263	4830	485	328	311	127	98
14	187	301	e370	e220	1140	362	4880	557	297	289	76	92
15	172	347	e390	e220	941	419	3810	485	259	264	70	87
16	165	424	422	e220	746	429	2950	412	221	245	66	82
17	169	440	776	e210	624	411	2300	348	250	217	65	78
18	202	521	1740	e210	502	382	1850	299	258	183	60	75
19	332	545	2230	e200	435	351	1560	268	217	157	81	73
20	364	498	1780	e200	398	345	1350	246	180	137	101	72
21	325	434	1420	e200	371	358	1200	226	155	120	207	73
22	278	381	1140	e190	335	521	1250	257	149	109	240	75
23	242	e290	866	e190	306	831	1800	556	248	99	188	78
24	215	e270	638	e190	288	890	2260	847	644	97	141	88
25	198	287	541	e190	297	772	2160	960	892	96	120	1020
26	188	319	e440	e190	434	705	1820	834	855	92	109	3480
27	180	714	e390	e190	527	659	1360	628	597	84	431	2640
28	171	1340	e360	e190	492	544	1070	524	429	78	685	1760
29	163	1810	e340	199	---	466	902	452	317	74	583	1170
30	156	1690	338	205	---	442	776	419	230	72	477	734
31	150	---	324	261	---	479	---	401	---	70	337	---
TOTAL	6412	12943	21718	7181	15034	13121	56303	14149	11173	5232	5135	16730
MEAN	207	431	701	232	537	423	1877	456	372	169	166	558
MAX	364	1810	2230	318	1420	890	4880	960	892	311	685	3480
MIN	146	136	292	190	230	230	478	226	149	70	60	72
CFSM	.80	1.67	2.72	.90	2.08	1.64	7.27	1.77	1.44	.65	.64	2.16
IN.	.92	1.87	3.13	1.04	2.17	1.89	8.12	2.04	1.61	.75	.74	2.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2001, BY WATER YEAR (WY)

	MEAN	383	573	578	508	435	838	1356	683	351	223	177	219
MAX	1047	1324	1474	1530	1488	1949	2676	1772	1135	805	763	670	
(WY)	1946	1928	1984	1998	1954	1921	1993	1971	1947	1996	1986	1981	
MIN	64.4	165	145	105	130	160	421	236	94.1	61.8	36.9	49.0	
(WY)	1964	1931	1923	1918	1920	1941	1995	1941	1941	1949	1934	1939	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

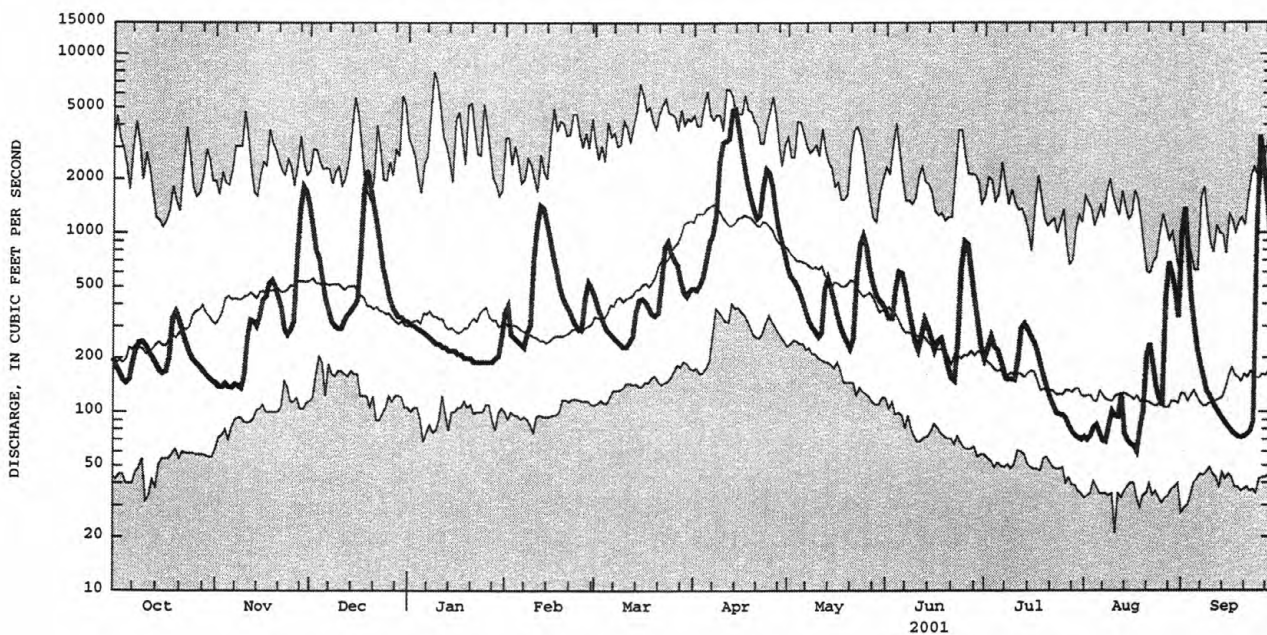
WATER YEARS 1916 - 2001

ANNUAL TOTAL	239835	185131	
ANNUAL MEAN	655	507	527
HIGHEST ANNUAL MEAN			833
LOWEST ANNUAL MEAN			333
HIGHEST DAILY MEAN	4730	Feb 29	4880
LOWEST DAILY MEAN	92	Sep 10	60
ANNUAL SEVEN-DAY MINIMUM	107	Sep 6	73
ANNUAL RUNOFF (CFSM)	2.54		1.97
ANNUAL RUNOFF (INCHES)	34.58		26.69
10 PERCENT EXCEEDS	1490		1140
50 PERCENT EXCEEDS	370		294
90 PERCENT EXCEEDS	160		98
			7970
			21
			34
			2.04
			27.74
			1180
			325
			99

e Estimated

ST. LAWRENCE RIVER BASIN

04262500 WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY

LOCATION.--Lat 44°35'58", long 75°22'45", St. Lawrence County, Hydrologic Unit 04150302, on right bank 1.5 mi downstream from Beaver Creek, and 2.5 mi upstream from Heuvelton.

DRAINAGE AREA.--986 mi², corrected.

PERIOD OF RECORD.--June 1916 to current year.

REVISED RECORDS.--WDR NY-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 288.85 ft above sea level. 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. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,600 ft³/s, Apr. 6, 1960, gage height, 10.36 ft; minimum, 99 ft³/s, Aug. 4, 1991, gage height, 0.49 ft; minimum gage height, 0.47 ft, Aug. 17, 1949, but may have been less during period of no gage-height record Sept. 7, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,050 ft³/s, Apr. 16, gage height, 6.58 ft; minimum, 213 ft³/s, Aug. 10, 11, 13, 15, 19, gage height, 0.77 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	832	602	4850	1420	798	1990	2310	2020	1200	812	237	1000
2	783	588	4140	1330	939	1670	2310	1780	1260	765	234	1580
3	739	563	3250	1330	1060	1380	2640	1630	1340	621	240	2740
4	692	521	e2200	1360	1020	1260	3220	1480	1270	679	268	2230
5	650	530	e1900	1360	991	1190	4010	1510	1400	843	284	1440
6	631	580	e1600	1310	956	1110	4940	1450	1480	844	240	1090
7	581	581	1510	1290	e960	1080	5120	1340	1560	824	244	823
8	667	580	1430	1290	968	1010	5440	1160	1360	736	281	649
9	609	724	e1300	e1200	971	992	6650	1020	1200	641	271	600
10	713	764	e1300	e1200	1710	1000	7860	967	1010	539	225	508
11	754	710	e1200	1170	3380	e990	8380	885	862	518	220	452
12	747	850	1190	e1100	4020	986	8480	740	729	485	262	424
13	696	954	e1200	e1100	3930	970	8360	868	733	487	242	412
14	684	1080	e1300	e1100	3560	984	8370	977	764	767	231	389
15	608	1020	e1400	e1100	3110	1070	8720	1130	673	726	254	346
16	575	1100	1480	e1100	2620	1330	9010	1160	661	704	309	331
17	618	1220	2290	e1000	2150	1450	8380	1030	639	630	248	388
18	621	1230	4510	e1000	e1800	1460	7110	853	613	579	234	360
19	623	1290	5150	e1100	1670	1370	5940	751	635	551	230	268
20	739	1340	5180	e1100	1490	1340	4940	703	624	522	241	323
21	925	1250	4870	e1100	e1400	1490	4120	667	584	464	237	311
22	881	1250	4120	e1100	e1300	1850	3690	687	524	431	259	302
23	778	1350	3360	e1000	1210	2610	3610	1180	471	416	419	278
24	714	1110	2860	e1000	1110	3290	4020	1950	479	393	504	306
25	792	1010	2490	e960	1060	3520	4380	2270	791	352	469	408
26	722	1130	e2200	e900	1660	3350	4180	2370	1400	288	390	1730
27	672	2310	1960	e840	2210	2940	3660	2130	1490	311	323	4170
28	644	3660	1830	798	2210	2830	3020	1850	1450	308	497	4350
29	601	4550	1540	e800	---	2710	2470	1590	1120	276	1240	3480
30	622	5080	1500	808	---	2490	2170	1490	954	242	1230	2480
31	617	---	1450	787	---	2540	---	1440	---	237	1160	---
TOTAL	21530	39527	76560	34053	50263	54252	157510	41078	29276	16991	11723	34168
MEAN	695	1318	2470	1098	1795	1750	5250	1325	976	548	378	1139
MAX	925	5080	5180	1420	4020	3520	9010	2370	1560	844	1240	4350
MIN	575	521	1190	787	798	970	2170	667	471	237	220	268

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2001, BY WATER YEAR (WY)

	MEAN	1132	1775	1915	1837	1650	3106	4258	2136	1115	740	619	709
MAX	3563	4284	4522	5369	4800	6327	8867	5243	4481	2096	2196	2420	
(WY)	1978	1928	1928	1930	1954	1977	1993	1976	1947	1947	1981	1981	
MIN	327	552	582	507	538	972	1167	620	391	319	278	278	
(WY)	1964	1957	1923	1961	1934	1940	1995	1941	1941	1965	1934	1990	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

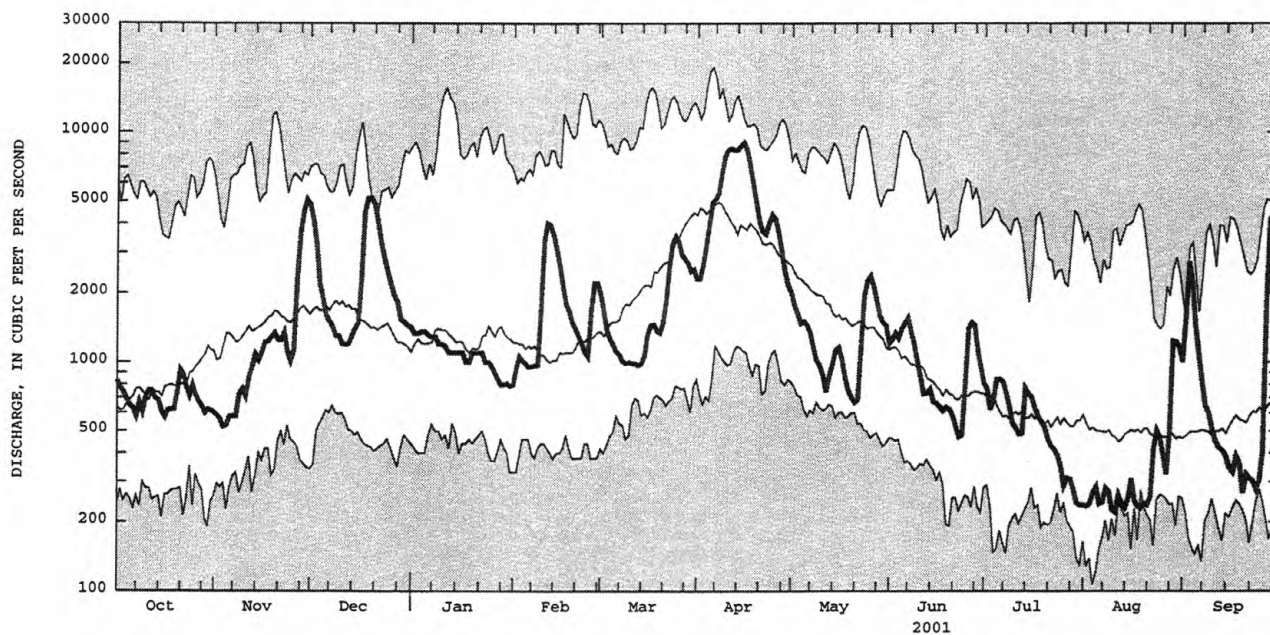
WATER YEARS 1916 - 2001

ANNUAL TOTAL	793230	566931	
ANNUAL MEAN	2167	1553	1748
HIGHEST ANNUAL MEAN			2952
LOWEST ANNUAL MEAN			1029
HIGHEST DAILY MEAN	9500	9010	19200
LOWEST DAILY MEAN	418	220	107
ANNUAL SEVEN-DAY MINIMUM	513	244	133
10 PERCENT EXCEEDS	5010	3630	3990
50 PERCENT EXCEEDS	1260	1070	1100
90 PERCENT EXCEEDS	618	340	434

e Estimated

ST. LAWRENCE RIVER BASIN

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04264331 ST. LAWRENCE RIVER AT CORNWALL, ONTARIO--NEAR MASSENA, NY

LOCATION.--Lat 45°00'22", long 74°47'43", Stormont County, Ontario--St. Lawrence County, NY, Hydrologic Unit 04150301, at Robert Moses-Robert H. Saunders power dam on Lake St. Lawrence at the International Boundary at Cornwall, Ontario, 2.9 mi upstream from Grass River, 5.9 mi northeast of Massena, NY, and 6.2 mi upstream from Raquette River.

DRAINAGE AREA.--298,800 mi².

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, Corps of Engineers through International St. Lawrence River Board of Control.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 378,000 ft³/s, May 20, 28, June 8, 1993; minimum daily, 139,000 ft³/s, Feb. 7, 1936; maximum monthly discharge, 353,500 ft³/s, May and June 1993; minimum monthly, 153,800 ft³/s, Feb. 1936.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 253,000 ft³/s, Oct. 1, 3-5, 7-9; minimum daily, 186,000 ft³/s, Feb. 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	253000	235000	220000	208000	210000	230000	226000	245000	230000	225000	232000	228000
2	252000	236000	220000	208000	210000	230000	227000	244000	222000	225000	232000	228000
3	253000	236000	220000	208000	187000	204000	227000	244000	222000	225000	226000	228000
4	253000	222000	220000	208000	187000	224000	228000	245000	222000	222000	227000	228000
5	253000	222000	230000	208000	215000	228000	227000	243000	223000	222000	227000	227000
6	252000	222000	226000	210000	215000	228000	227000	243000	222000	222000	227000	228000
7	253000	225000	220000	210000	215000	228000	226000	243000	222000	221000	238000	223000
8	253000	243000	220000	210000	215000	228000	226000	243000	222000	221000	239000	223000
9	253000	244000	219000	210000	215000	228000	226000	243000	218000	221000	240000	222000
10	248000	227000	219000	210000	186000	227000	226000	244000	218000	221000	235000	222000
11	246000	222000	219000	210000	187000	227000	226000	243000	218000	221000	227000	222000
12	247000	222000	219000	210000	215000	227000	226000	227000	218000	221000	227000	225000
13	246000	234000	219000	210000	215000	227000	226000	240000	218000	221000	227000	229000
14	240000	226000	219000	210000	215000	227000	226000	239000	218000	222000	227000	230000
15	241000	222000	219000	210000	215000	227000	238000	240000	218000	222000	228000	230000
16	241000	222000	210000	210000	215000	227000	238000	240000	218000	222000	230000	230000
17	240000	222000	210000	210000	201000	226000	237000	239000	218000	222000	231000	229000
18	242000	228000	210000	210000	211000	226000	238000	238000	219000	222000	231000	230000
19	241000	228000	210000	210000	227000	226000	238000	232000	218000	221000	234000	230000
20	243000	221000	210000	210000	227000	227000	238000	233000	219000	221000	234000	233000
21	241000	221000	210000	210000	227000	227000	243000	232000	218000	222000	230000	236000
22	239000	223000	201000	210000	227000	232000	242000	232000	218000	221000	232000	230000
23	239000	232000	194000	210000	227000	238000	243000	232000	225000	223000	233000	230000
24	239000	221000	194000	210000	201000	227000	242000	232000	225000	233000	227000	226000
25	240000	221000	194000	210000	201000	227000	244000	232000	224000	227000	227000	220000
26	239000	221000	194000	210000	230000	227000	242000	229000	221000	224000	227000	218000
27	239000	221000	194000	210000	230000	227000	243000	230000	221000	224000	227000	218000
28	236000	221000	201000	210000	230000	227000	245000	230000	224000	227000	227000	218000
29	236000	221000	208000	210000	---	227000	245000	240000	225000	227000	227000	218000
30	236000	221000	209000	210000	---	227000	244000	234000	225000	227000	227000	218000
31	236000	---	208000	210000	---	227000	---	229000	---	226000	227000	---
TOTAL	7570000	6782000	6566000	6500000	5956000	7035000	7030000	7360000	6629000	6921000	7130000	6777000
MEAN	244200	226100	211800	209700	212700	226900	234300	237400	221000	223300	230000	225900
MAX	253000	244000	230000	210000	230000	238000	245000	245000	230000	233000	240000	236000
MIN	236000	221000	194000	208000	186000	204000	226000	227000	218000	221000	226000	218000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2001, BY WATER YEAR (WY)

	MEAN	250600	246500	241400	227000	234700	246900	257000	267000	271300	268400	263100	257400
MAX	323800	338100	327000	298700	293300	335100	325100	353500	353500	350000	330300	326400	
(WY)	1987	1987	1987	1987	1997	1998	1973	1993	1993	1973	1974	1986	
MIN	182600	176100	174700	168700	153800	179800	179200	176500	188600	200600	200000	194900	
(WY)	1936	1936	1936	1936	1936	1965	1964	1965	1965	1964	1936	1936	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

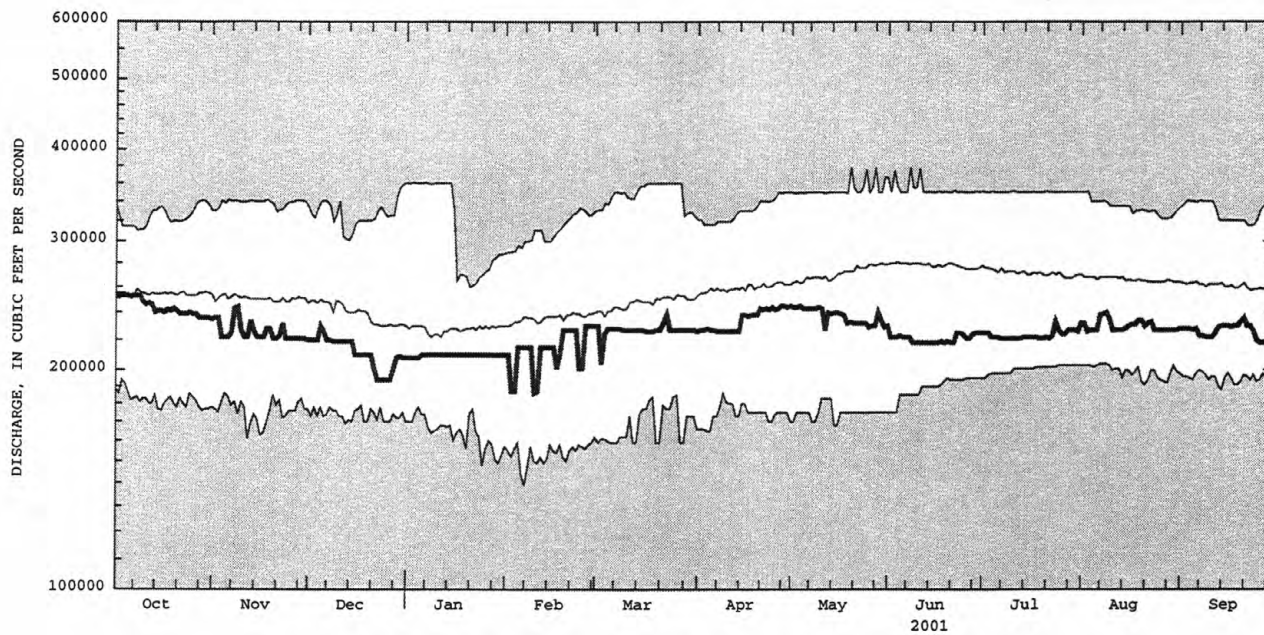
FOR 2001 WATER YEAR

WATER YEARS 1936 - 2001

ANNUAL TOTAL	87151000	82256000		
ANNUAL MEAN	238100	225400		
HIGHEST ANNUAL MEAN			309300	1987
LOWEST ANNUAL MEAN			191800	1936
HIGHEST DAILY MEAN	296000	Jul 11	378000	May 20 1993
LOWEST DAILY MEAN	184000	Mar 11	139000	Feb 7 1936
ANNUAL SEVEN-DAY MINIMUM	196000	Dec 22	148000	Feb 6 1936
10 PERCENT EXCEEDS	281000		300000	
50 PERCENT EXCEEDS	230000		252000	
90 PERCENT EXCEEDS	205000		208000	

ST. LAWRENCE RIVER MAIN STEM

04264331 ST. LAWRENCE RIVER AT CORNWALL, ONTARIO--NEAR MASSENA, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04266500 RAQUETTE RIVER AT PIERCEFIELD, NY

LOCATION.--Lat 44°14'05", long 74°34'20", St. Lawrence County, Hydrologic Unit 04150305, on left bank 0.5 mi downstream from powerplant at Piercefield, and 1.5 mi upstream from Dead Creek.

DRAINAGE AREA.--721 mi².

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. Datum of gage is 1,502.12 ft above sea level. 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 ft³/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 ft³/s, May 1, 1900 (from New York State Museum Bulletin 85).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,350 ft³/s, Apr. 27, gage height, 11.32 ft; minimum, 52 ft³/s, Sept. 25, gage height, 1.69 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	554	546	1150	1590	575	855	996	6400	1170	1840	326	762
2	571	583	1130	1520	599	842	980	6010	1330	1780	180	797
3	563	581	1120	1420	595	847	973	5640	1300	1830	101	828
4	527	580	1050	1410	590	837	1020	5330	1460	1830	101	935
5	500	490	981	1370	595	829	874	5010	1470	1750	112	1050
6	499	450	1120	1340	603	828	965	4800	1440	1760	304	1170
7	500	493	1020	1230	603	838	943	4520	1490	1720	170	892
8	500	510	956	1180	600	839	1050	4210	1500	1660	248	825
9	499	517	981	1190	649	835	949	3900	1500	1590	259	778
10	500	552	890	1120	574	830	1040	3610	1430	1530	361	515
11	500	534	890	1060	880	826	1340	3360	1320	1460	491	401
12	472	533	925	1040	818	747	1750	3130	1410	1430	501	541
13	521	553	837	996	825	795	2230	2950	1310	1390	371	373
14	587	586	884	943	844	815	2640	2800	1160	1350	411	248
15	586	616	909	941	940	812	3050	2640	1250	1320	431	183
16	398	628	882	913	961	767	3410	2550	1300	1030	369	194
17	401	652	974	876	984	754	3700	2410	1280	1040	326	169
18	537	668	1220	889	984	761	3890	2220	840	741	318	137
19	563	702	1380	886	976	764	4070	2180	601	843	304	139
20	582	733	1500	826	968	731	4200	2020	797	826	498	277
21	598	729	1600	826	966	726	4300	1830	806	796	744	349
22	606	719	1670	733	944	770	4620	1670	802	796	850	303
23	636	714	1730	739	917	781	5190	1520	815	668	762	276
24	642	715	1770	545	917	797	5890	1480	957	606	575	297
25	691	709	1780	583	920	792	6550	1420	1360	454	438	230
26	661	708	1760	561	925	791	7060	1170	1420	458	406	438
27	597	721	1700	545	920	864	7230	1130	1580	481	551	289
28	646	789	1670	574	924	1220	7200	1260	1780	430	417	314
29	645	1040	1630	604	---	1160	7070	1370	1810	431	628	500
30	515	1050	1610	605	---	1150	6770	1200	1790	440	689	519
31	462	---	1650	581	---	1010	---	864	---	365	728	---
TOTAL	17059	19401	39369	29636	22596	26213	101950	90604	38478	34645	12970	14729
MEAN	550	647	1270	956	807	846	3398	2923	1283	1118	418	491
MAX	691	1050	1780	1590	984	1220	7230	6400	1810	1840	850	1170
MIN	398	450	837	545	574	726	874	864	601	365	101	137

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2001, BY WATER YEAR (WY)

	MEAN	873	1172	1260	1113	942	1302	3151	2917	1304	753	591	610
MAX	3292	2676	3439	3828	2148	3577	5405	6094	3982	2461	1867	1614	
(WY)	1946	1989	1984	1998	1916	1921	1993	1943	1947	1972	1986	1938	
MIN	54.7	133	348	343	319	325	1230	878	396	324	145	112	
(WY)	1948	1909	1931	1918	1961	1940	1995	1987	1941	1995	1999	1913	

SUMMARY STATISTICS

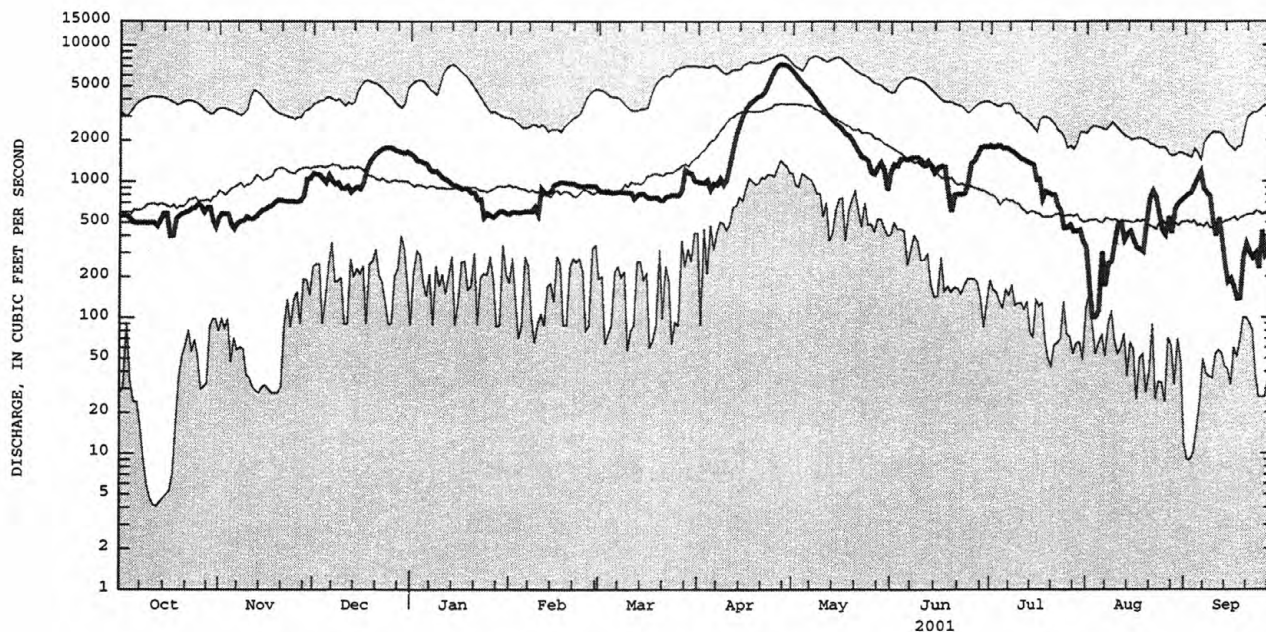
FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1908 - 2001

ANNUAL TOTAL	649256	447650	
ANNUAL MEAN	1774	1226	
HIGHEST ANNUAL MEAN			1333
LOWEST ANNUAL MEAN			2030
HIGHEST DAILY MEAN	5910	7230	734
LOWEST DAILY MEAN	398	101	4.1
ANNUAL SEVEN-DAY MINIMUM	475	174	4.6
10 PERCENT EXCEEDS	4250	2200	2900
50 PERCENT EXCEEDS	1260	842	948
90 PERCENT EXCEEDS	546	415	360

ST. LAWRENCE RIVER BASIN
04266500 RAQUETTE RIVER AT PIERCEFIELD, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

LOCATION.--Lat 44°30'42", long 74°53'00", St. Lawrence County, Hydrologic Unit 04150305, on left bank 300 ft upstream from bridge on State Highway 56 at South Colton, 500 ft downstream from Orion Power New York powerplant, and 0.8 mi upstream from Cold Brook.

REMARKS:--No estimated daily discharges. Records good except those below 800 ft³/s, which are poor. Flow regulated 16 mi upstream by Carry Falls Reservoir since 1953; considerable natural storage in large lakes upstream from Piercefield. Large diurnal fluctuation caused by five powerplants upstream from gage. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,680 ft³/s, May 1, gage height, 7.53 ft; minimum, 6.9 ft³/s, Oct. 2, gage height, 1.48 ft.

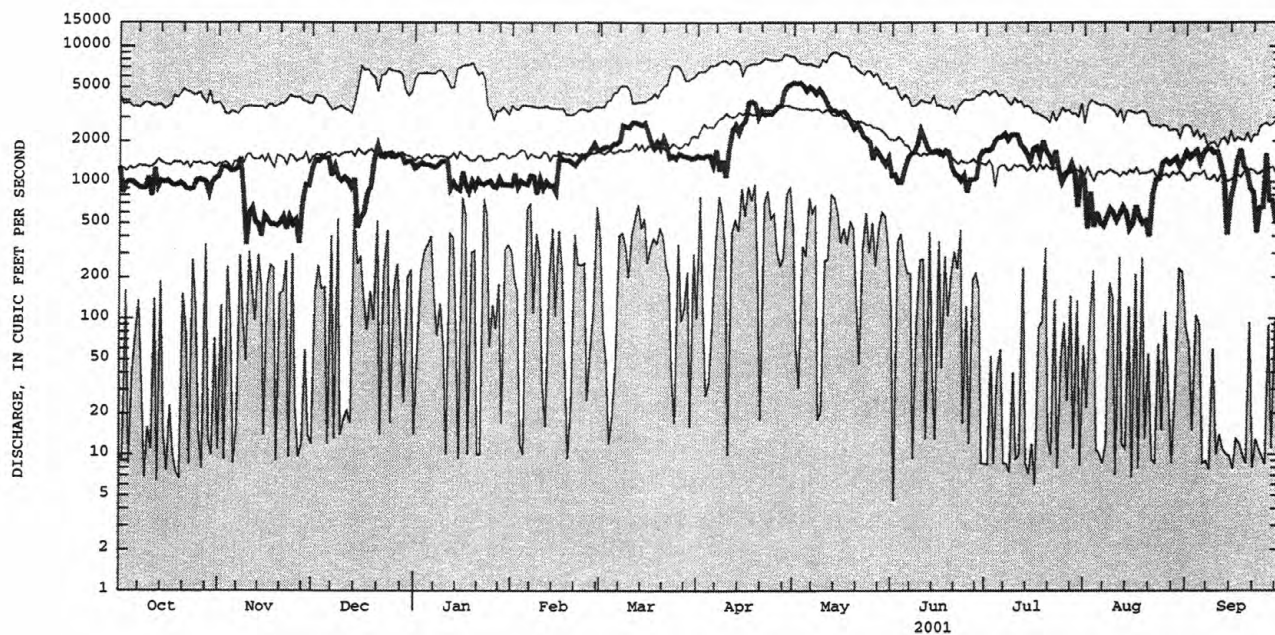
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	1100	1260	1270	947	1720	1570	5420	1120	1730	1040	1670
2	834	1300	1480	1330	1160	1800	1530	5340	1140	1710	458	1520
3	992	1300	1440	1410	917	1820	1520	5410	1000	1790	843	1620
4	1020	1300	1560	1350	1020	1780	1570	5140	1000	2030	472	1710
5	1010	1220	1520	1350	980	1920	1570	4720	1240	2130	598	1410
6	959	1230	1520	1320	964	1920	1340	5050	1490	2170	501	1650
7	923	1270	1120	1290	1120	1990	1730	4830	1620	2290	475	1770
8	910	1520	1320	1320	1100	2620	1220	4490	1660	2050	553	1770
9	913	841	1100	1420	820	2560	1450	4850	1890	2230	642	1650
10	1090	350	1030	1420	1060	2530	1090	4480	2430	2250	594	1680
11	796	602	1090	1450	903	2760	1760	4060	2110	2230	522	1360
12	1270	658	1030	891	1010	2750	2410	3610	1830	1900	584	1070
13	926	516	919	990	941	2700	2640	3370	1670	1770	661	414
14	1030	492	1070	904	947	2630	2310	3390	1660	1630	595	755
15	1010	403	463	870	844	2730	2680	3180	1710	1420	453	958
16	1030	575	547	1190	1580	2350	2860	3290	1700	1760	497	1460
17	985	534	602	959	1470	1970	3870	3320	1590	1820	673	1740
18	953	493	827	847	1460	1780	3930	3070	1710	1560	559	1310
19	957	495	938	1020	1450	1980	3780	2770	1670	2020	501	1200
20	998	483	1480	908	1390	1780	3000	2500	1300	1710	521	901
21	962	504	1860	1040	1330	2120	3390	2710	1150	1560	401	835
22	899	560	1560	972	1440	1860	3140	2460	1110	1360	817	426
23	890	454	1530	959	1560	1510	3200	2170	1030	1710	1050	648
24	903	561	1620	1000	1560	1560	3160	2100	1130	1240	1060	653
25	1030	494	1650	1020	1620	1490	3380	1980	847	1000	1400	1620
26	1060	532	1540	930	1740	1620	3610	1480	1050	1130	1450	737
27	1040	359	1590	911	1920	1580	3660	1740	1050	1200	1370	735
28	1010	709	1610	1070	1720	1550	4720	1620	1070	1380	1440	511
29	834	961	1390	958	---	1530	5080	1470	1550	1180	1520	507
30	1010	951	1420	961	---	1490	5280	1350	1690	660	1300	532
31	1080	---	1440	956	---	1500	---	1520	---	1170	1450	---
TOTAL	30624	22767	39526	34286	34973	61900	82450	102890	43217	51790	25000	34822
MEAN	988	759	1275	1106	1249	1997	2748	3319	1441	1671	806	1161
MAX	1300	1520	1860	1450	1920	2760	5280	5420	2430	2290	1520	1770
MIN	796	350	463	847	820	1490	1090	1350	847	660	401</	

MEAN	1383	1610	1763	1702	1672	2046	3209	3152	1744	1291	1142	1110
MAX	3849	3248	4208	4138	3117	3985	5958	6260	3496	3356	2990	1816
(WY)	1978	1986	1984	1985	1996	1990	2000	1971	1972	1972	1986	1986
MIN	536	386	435	673	595	657	980	1041	656	462	535	557
(WY)	1997	1965	1965	1956	1961	1956	1995	1987	1962	1988	1985	1995

ANNUAL TOTAL	823876		564245				
ANNUAL MEAN	2251		1546			1822	
HIGHEST ANNUAL MEAN						2661	1976
LOWEST ANNUAL MEAN						984	1965
HIGHEST DAILY MEAN	7900	Apr 12	5420	May 1		9060	May 14 1971
LOWEST DAILY MEAN	332	Jan 4	350	Nov 10	4.6		Jun 2 1954
ANNUAL SEVEN-DAY MINIMUM	495	Nov 21	495	Nov 21		239	Nov 1 1964
10 PERCENT EXCEEDS	4950		2740			3430	
50 PERCENT EXCEEDS	1570		1350			1530	
90 PERCENT EXCEEDS	910		590			604	

ST. LAWRENCE RIVER BASIN

04267500 RAQUETTE RIVER AT SOUTH COLTON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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 Orion Power New York powerplant, and 18.0 mi upstream from mouth.

PERIOD OF RECORD.--November 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 183.33 ft above sea level.

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 Orion Power New York powerplant, 0.4 mi upstream; considerable natural storage in large lakes upstream from Piercefield. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft³/s, Apr. 5, 1974, gage height, 8.40 ft; maximum gage height, 9.24 ft, Feb. 22, 1954 (ice jam); minimum discharge, 2.2 ft³/s, Sept. 18, 19, 1966; minimum gage height, 0.42 ft, July 13, 1950.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,240 ft³/s, Apr. 9, gage height, 5.61 ft; minimum, 39 ft³/s, Nov. 24, gage height, 0.72 ft.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1060	1010	1470	e1500	e1100	e2100	1950	5650	1540	1970	670	1750
2	1110	1210	1730	e1500	e1100	e2100	1940	5790	1130	1950	628	1760
3	990	1570	1900	e1500	e1100	e2100	2010	5790	1230	1890	676	1750
4	1200	1440	1900	e1600	e1100	e2100	2230	5720	1500	1810	560	1740
5	1170	1470	1710	e1600	e1100	e2100	2550	5230	1270	2190	589	1730
6	616	1500	e1700	e1600	e1000	e2100	2870	5200	1580	2560	560	1720
7	1060	1430	e1500	e1600	e1000	e2000	2850	5220	1900	2240	536	1730
8	987	1480	e1400	e1600	e1000	e2400	3850	5160	1870	2360	577	1740
9	1090	1270	e1300	e1600	e1000	e2600	5510	4630	1970	2380	565	1770
10	951	507	1270	e1600	e1100	e2900	4000	5180	2420	2350	605	1840
11	1080	607	1320	e1500	e1200	3350	3350	4680	2350	2350	614	1540
12	1110	795	1340	e1400	e1300	3510	4430	3820	2330	2220	525	1080
13	1090	685	e1300	e1300	e1300	3440	4480	4180	1780	1730	622	1100
14	1000	742	e1200	e1200	e1300	3420	4110	3830	1650	1840	532	1170
15	1070	732	e1000	1030	e1200	3420	3790	3620	1760	1850	553	1440
16	1060	732	512	e1100	e1400	3100	3610	3620	1770	1800	525	1200
17	1130	704	851	e1200	e1500	2200	4220	3640	1750	1790	620	910
18	1210	678	e1500	e1100	e1600	2310	4710	3440	1730	1780	631	990
19	1120	653	e1600	1130	e1600	2270	4620	2960	1820	1790	617	1110
20	853	655	e1700	1200	e1600	2260	3990	3070	1610	1790	616	1110
21	762	601	e1800	1200	e1600	2410	3550	3060	1120	1770	665	717
22	1150	650	e1800	1160	e1700	2660	4300	3140	1160	1600	926	631
23	1080	614	e1800	1170	e1700	2770	3740	1960	1190	1680	1150	575
24	1110	603	e1800	1170	e1700	2370	3800	2190	1200	1420	1020	672
25	1200	629	e1800	1150	e1800	2300	3800	2220	1030	1040	1550	1870
26	1180	865	e1900	e1100	e1900	2100	4040	1890	1080	1100	1310	2190
27	950	e1200	e1800	e1100	e2000	1960	4200	1920	1120	1130	1480	577
28	1060	e1300	e1800	e1100	e2100	2010	4620	1870	1040	1160	1490	644
29	1100	e1400	e1700	e1100	---	1990	5470	1640	1210	1030	1310	712
30	1030	e1400	e1600	e1100	---	1950	5840	1640	1570	1020	1500	606
31	1100	---	e1500	e1100	---	1960	---	1640	---	1230	1600	---
TOTAL	32679	29132	47503	40310	39100	76260	114430	113600	46680	54820	25822	38374
MEAN	1054	971	1532	1300	1396	2460	3814	3665	1556	1768	833	1279
MAX	1210	1570	1900	1600	2100	3510	5840	5790	2420	2560	1600	2190
MIN	616	507	512	1030	1000							

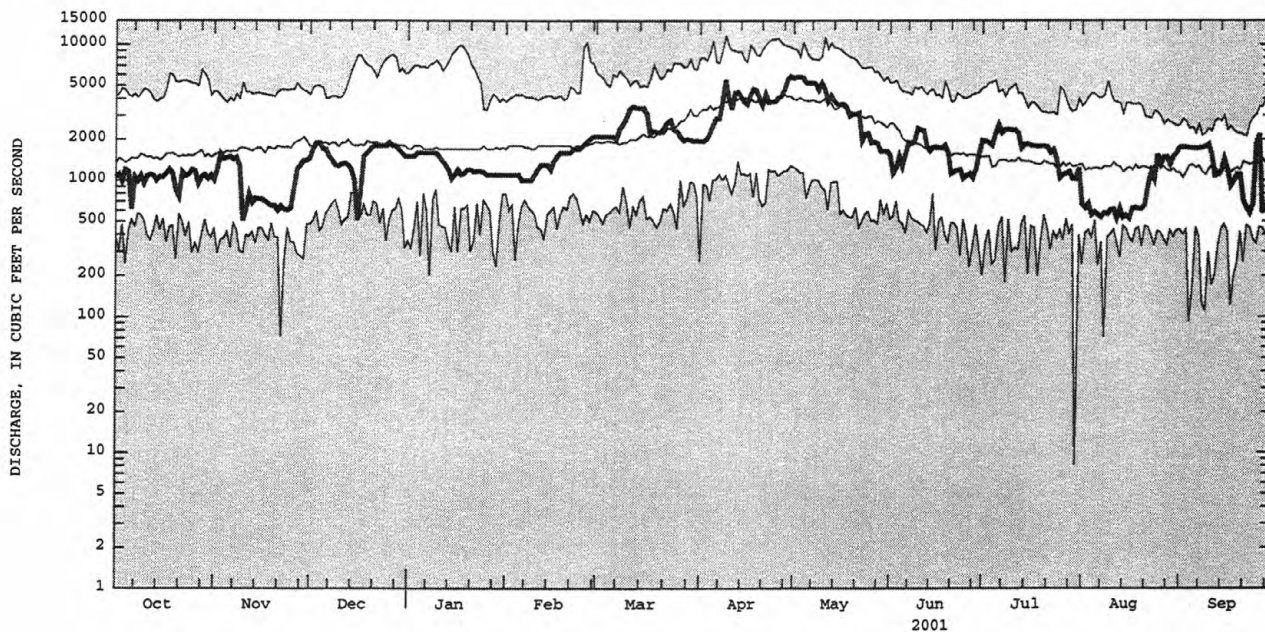
MEAN	1598	1949	2098	2012	2013	2614	3971	3556	1991	1441	1271	1281
MAX	4545	3776	5228	5021	3979	4723	7132	6768	3602	3623	3454	2244
(WY)	1978	1986	1984	1985	1996	1990	2000	1971	1972	1972	1986	1981
MIN	591	500	684	699	672	866	1140	1209	807	518	617	573
(WY)	1997	1965	1965	1956	1956	1956	1995	1987	1962	1988	1999	1995

ANNUAL TOTAL	1005534		658710				
ANNUAL MEAN	2747		1805				
HIGHEST ANNUAL MEAN						2149	
LOWEST ANNUAL MEAN						3022	1976
HIGHEST DAILY MEAN	11600	Apr 9	5840	Apr 30	11600	1148	1965
LOWEST DAILY MEAN	377	Jan 1	507	Nov 10	8.1		Apr 9 2000
ANNUAL SEVEN-DAY MINIMUM	629	Nov 19	568	Aug 10			Jul 30 1962
10 PERCENT EXCEEDS	5670		3620			345	Nov 22 1953
50 PERCENT EXCEEDS	1910		1540			4020	
90 PERCENT EXCEEDS	1060		671			1710	
						842	

e Estimated

ST. LAWRENCE RIVER BASIN

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.

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 Orion Power New York dam.

PERIOD OF RECORD.--October 1958 to September 1968, June 1991 to current year. Annual maximum, water years 1969-91.

GAGE.--Water-stage recorder. Datum of gage is 971.64 ft above sea level. October 1968 to May 1991, crest-stage gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,960 ft³/s, Dec. 29, 1984, gage height, 7.37 ft; maximum gage height, 7.51 ft, Feb. 25, 1985 (ice jam); minimum recorded discharge, 45 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 12	--	a1,800	ice jam	Apr. 23	1045	2,220	4.19
Apr. 13	1715	*2,790	*4.79				

a About.

Minimum discharge, 45 ft³/s, Aug. 16, gage height, 0.87 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	112	420	e170	e140	e220	e170	535	318	180	57	1220
2	136	111	e280	e180	e160	e200	e180	486	278	292	56	1050
3	120	108	e240	e180	e160	e180	e190	451	329	267	55	609
4	116	106	e220	e180	e160	e160	e200	417	528	205	54	387
5	120	108	e200	e170	e150	e150	e220	381	493	192	54	275
6	134	108	e190	e160	e140	e140	e250	343	408	156	52	207
7	153	107	e170	e150	e130	e130	e280	307	316	131	49	166
8	228	106	e150	e140	e130	e120	e330	275	248	121	64	136
9	248	105	e140	e140	e140	e110	e410	252	204	121	75	118
10	215	130	e130	e130	e500	e110	e640	242	171	113	69	107
11	195	191	e130	e120	e1400	e110	e1000	228	152	116	60	97
12	202	205	e140	e120	e1700	e120	e1500	259	147	180	57	92
13	194	180	e150	e110	e1200	e130	e2500	424	141	187	53	87
14	172	168	e170	e110	e700	e150	e2400	409	128	215	51	83
15	153	194	e200	e110	e500	e170	2310	331	117	233	49	80
16	140	204	e300	e100	e400	e180	2150	273	109	188	47	76
17	137	201	e500	e100	e300	e180	1810	238	107	142	52	75
18	166	195	e800	e98	e250	e170	1500	218	103	113	62	73
19	244	182	e700	e96	e220	e160	1240	204	96	100	69	72
20	247	167	e500	e96	e200	e160	1070	193	91	90	206	72
21	214	e160	e190	e94	e180	e170	1090	181	88	84	458	78
22	186	e140	e120	e92	e160	e190	1570	171	89	78	435	86
23	160	e130	e100	e92	e140	e200	2180	191	238	73	354	86
24	146	e120	e94	e90	e130	e210	2170	230	497	70	245	108
25	138	e140	e96	e88	e140	e210	1920	234	481	70	163	734
26	131	e200	e100	e88	e160	e210	1500	202	391	68	126	500
27	136	583	e100	e86	e200	e200	1140	187	249	65	328	334
28	124	746	e110	e88	e230	e180	907	199	173	61	437	246
29	119	669	e120	e92	---	e170	743	226	142	59	394	194
30	115	541	e130	e100	e120	e170	619	259	142	62	307	158
31	113	---	e150	e100	---	e170	---	319	---	59	266	---
TOTAL	5051	6417	7040	3690	10020	5130	34189	8865	6974	4091	4804	7606
MEAN	163	214	227	119	358	165	1140	286	232	132	155	254
MAX	248	746	800	180	1700	220	2500	535	528	292	458	1220
MIN	113	105	94	86	130	110	170	171	88	59	47	72
CFSM	.95	1.25	1.33	.70	2.09	.97	6.66	1.67	1.36	.77	.91	1.48
IN.	1.10	1.40	1.53	.80	2.18	1.12	7.44	1.93	1.52	.89	1.05	1.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2001, BY WATER YEAR (WY)

MEAN	238	328	259	287	232	364	973	429	247	183	170	169
MAX	414	603	577	816	467	811	1780	823	388	468	292	312
(WY)	1996	1997	1997	1998	2000	2000	1993	2000	1998	1998	1962	1999
MIN	97.8	185	111	67.0	106	149	312	197	99.8	75.0	69.9	91.6
(WY)	1965	1961	1961	1961	1963	1965	1995	1999	1999	1966	1960	1964

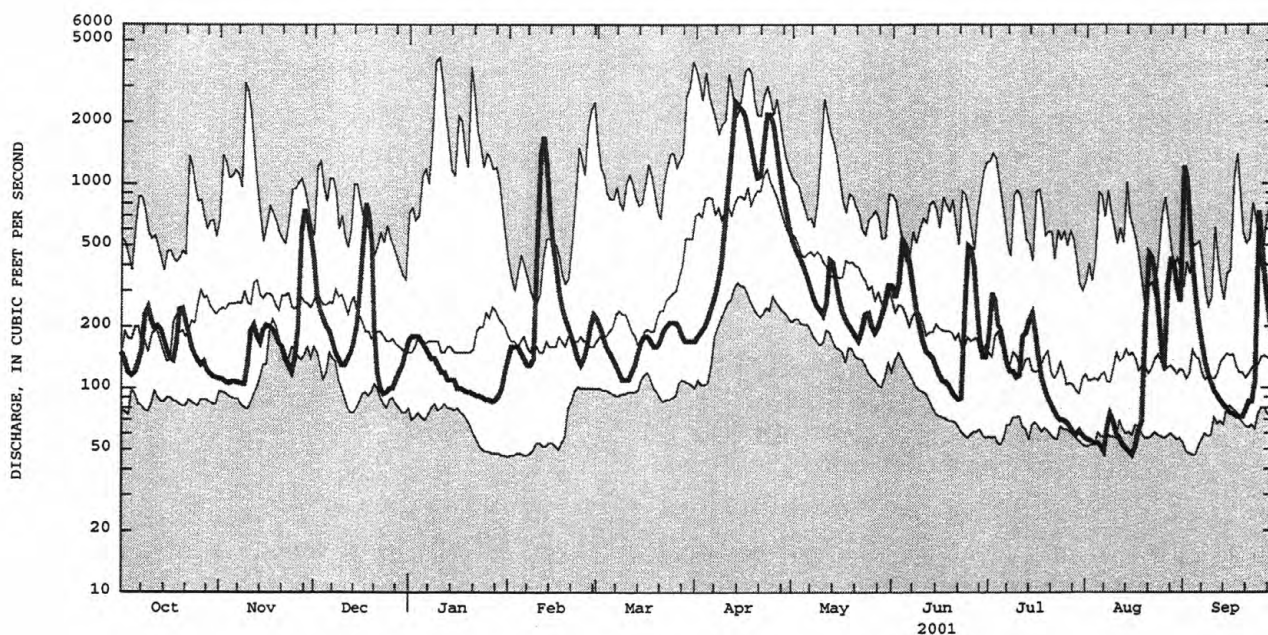
SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1959 - 2001
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ANNUAL TOTAL	157507		103877			
ANNUAL MEAN	430		285		324	
HIGHEST ANNUAL MEAN					455	2000
LOWEST ANNUAL MEAN					198	1965
HIGHEST DAILY MEAN	2600	May 11	2500	Apr 13	4140	Jan 10 1998
LOWEST DAILY MEAN	79	Sep 10	47	Aug 16	46	Feb 1 1961
ANNUAL SEVEN-DAY MINIMUM	88	Sep 6	53	Aug 11	47	Jan 28 1961
ANNUAL RUNOFF (CFSM)	2.52		1.66		1.90	
ANNUAL RUNOFF (INCHES)	34.26		22.60		25.75	
10 PERCENT EXCEEDS	1020		531		660	
50 PERCENT EXCEEDS	229		170		205	
90 PERCENT EXCEEDS	118		82		92	

e Estimated

ST. LAWRENCE RIVER BASIN

04268800 WEST BRANCH ST. REGIS RIVER NEAR PARISHVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04269000 ST. REGIS RIVER AT BRASHER CENTER, NY

LOCATION.--Lat 44°51'49", long 74°46'45", St. Lawrence County, Hydrologic Unit 04150306, on left bank 600 ft upstream from highway bridge at Brasher Center, and 6.5 mi downstream from West Branch.

DRAINAGE AREA.--612 mi².

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. Datum of gage is 217.23 ft above sea level. Prior to June 24, 1916, nonrecording gage at site 600 ft downstream at different datum. June 24, 1916 to Nov. 10, 1917, and Jan. 1, 1919 to Aug. 13, 1920, nonrecording gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Slight diurnal fluctuation caused by powerplant operations upstream from station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft³/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 ft³/s, Aug. 8, 1917, gage height, 5.25 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 13	2015	*8,050	*10.14	No other peak greater than base discharge.			

Minimum discharge, 108 ft³/s, Aug. 16, gage height, 5.66 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	564	398	1550	e560	e560	e800	e620	1780	1170	512	158	1890
2	508	387	e1200	e560	e580	e700	e640	1600	1140	609	179	3100
3	421	379	e940	e540	e580	e620	e700	1430	1100	715	142	2000
4	426	378	e760	e520	e560	e540	e780	1320	1430	641	187	1460
5	433	381	e640	e520	e520	e500	e860	1170	1750	586	144	943
6	464	388	e580	e500	e500	e470	e960	1080	1530	537	153	800
7	491	385	e540	e490	e490	e450	e1100	1020	1260	454	158	627
8	563	357	e520	e480	e500	e430	e1300	929	1010	422	138	497
9	687	378	e490	e460	e520	e420	e1600	758	774	385	160	412
10	736	451	e480	e440	e900	e420	e2000	743	688	436	165	375
11	712	593	e490	e430	e2000	e430	e2700	737	583	412	150	319
12	667	766	e500	e420	e2500	e440	e4000	767	584	499	160	295
13	675	778	e520	e410	e2600	e460	e7200	1080	463	577	128	278
14	577	656	e560	e390	e2100	e500	7140	1280	419	572	161	258
15	570	774	e620	e380	e1500	e560	5950	1170	368	610	128	351
16	455	741	708	e370	e1100	e600	5400	997	394	589	149	231
17	449	737	1320	e360	e880	e620	4570	842	373	469	138	197
18	500	698	2910	e350	e760	e580	3960	767	336	406	195	173
19	729	669	2450	e340	e680	e560	3580	719	331	333	192	202
20	783	620	e1900	e330	e600	e600	2600	664	296	309	277	214
21	730	e560	e1000	e330	e540	e640	2580	605	309	287	1170	215
22	619	e520	e470	e320	e500	e700	3350	596	283	240	1240	256
23	573	e450	e370	e320	e460	e740	4780	612	390	214	1100	242
24	500	355	e330	e320	e460	e780	4830	834	912	196	859	258
25	481	466	e330	e320	e490	e800	4540	893	1230	194	631	1490
26	493	593	e340	e320	e640	e780	3910	774	1130	186	493	1650
27	456	1910	e360	e330	e760	e760	3210	695	928	213	566	1080
28	433	2730	e390	e340	e820	e720	2570	695	686	176	999	826
29	416	2350	e430	e360	---	e680	2330	769	513	172	1250	700
30	418	1930	e480	e390	---	e640	1990	877	438	173	1100	524
31	405	---	e520	e480	---	e600	---	1040	---	187	884	---
TOTAL	16934	22778	24698	12680	25100	18540	91750	29243	22818	12311	13554	21863
MEAN	546	759	797	409	896	598	3058	943	761	397	437	729
MAX	783	2730	2910	560	2600	800	7200	1780	1750	715	1250	3100
MIN	405	355	330	320	460	420	620	596	283	172	128	173
CFSM	.89	1.24	1.30	.67	1.46	.98	5.00	1.54	1.24	.65	.71	1.19
IN.	1.03	1.38	1.50	.77	1.53	1.13	5.58	1.78	1.39	.75	.82	1.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

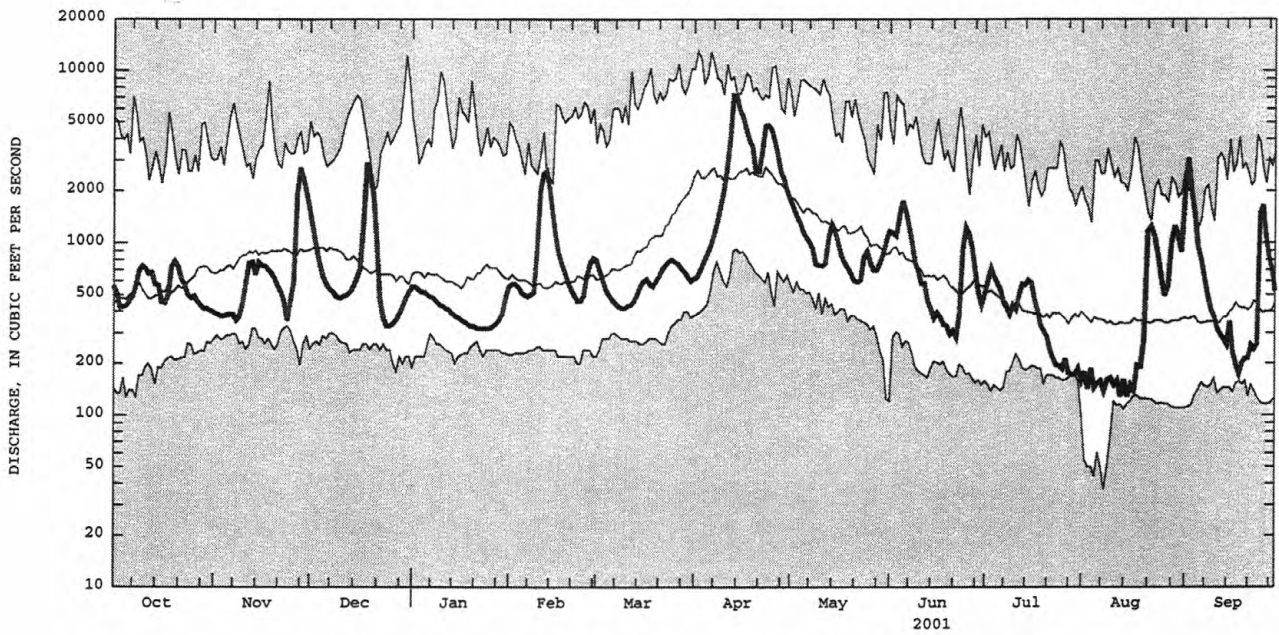
	MEAN	2203	1928	1984	1913	1981	1913	1993	1971	1947	1998	1986	1981
MAX	761	1002	972	893	772	1505	2821	1545	832	546	476	533	
(WY)	2203	2467	2674	2678	2268	3434	5576	4512	2848	1486	1564	1541	
MIN	1978	1928	1984	1913	1981	1913	1993	1971	1947	1998	1986	1981	
(WY)	296	374	367	273	304	337	996	495	247	225	129	155	
	1965	1931	1961	1931	1931	1941	1995	1941	1941	1941	1934	1934	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1910 - 2001
ANNUAL TOTAL	491941	312269	
ANNUAL MEAN	1344	856	1054
HIGHEST ANNUAL MEAN			1884
LOWEST ANNUAL MEAN			581
HIGHEST DAILY MEAN	8960	May 11	13000
LOWEST DAILY MEAN	270	Sep 10	37
ANNUAL SEVEN-DAY MINIMUM	297	Sep 4	49
ANNUAL RUNOFF (CFSM)	2.20		1.72
ANNUAL RUNOFF (INCHES)	29.90		23.40
10 PERCENT EXCEEDS	3140		2230
50 PERCENT EXCEEDS	779		687
90 PERCENT EXCEEDS	424		289

e. Estimated

ST. LAWRENCE RIVER BASIN

04269000 ST. REGIS RIVER AT BRASHER CENTER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

461

LOCATION.--Lat 44°45'22", long 74°13'09", Franklin County, Hydrologic Unit 04150307, on right bank 0.1 mi downstream from Orion Power New York powerplant at Chasm Falls, and 3.0 mi downstream from Duane Stream.

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. Datum of gage is 1,011.52 ft above sea level.

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 ft³/s, Apr. 1, 1998, gage height, 5.43 ft; minimum, 9.8 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,850 ft³/s, Apr. 23, gage height, 4.05 ft; minimum, 21 ft³/s, May 21, gage height, 0.47 ft.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	183	248	163	157	165	158	376	352	169	89	619
2	162	269	218	163	155	163	158	369	326	205	85	523
3	157	252	189	162	146	161	162	349	354	163	92	322
4	159	219	213	276	141	152	162	241	445	146	91	245
5	164	138	173	255	152	158	171	229	428	154	90	219
6	176	153	150	167	147	152	191	215	366	139	81	176
7	178	145	165	165	147	157	183	193	303	125	77	145
8	200	147	152	163	148	155	253	181	245	121	81	135
9	199	144	158	161	159	160	439	178	177	130	83	115
10	183	167	159	143	354	157	572	175	171	174	85	99
11	185	198	165	167	367	156	694	176	168	182	87	114
12	188	182	167	156	282	150	844	198	165	236	81	102
13	169	169	168	153	276	158	1180	310	140	192	97	103
14	171	185	165	159	229	158	1390	239	170	194	91	93
15	160	311	165	151	203	158	1200	215	144	191	85	87
16	162	254	164	151	184	160	995	226	144	174	79	83
17	152	166	297	150	187	156	868	224	153	155	102	91
18	181	166	547	132	162	159	741	206	150	138	127	95
19	218	156	556	158	173	155	532	260	126	136	100	94
20	195	152	451	143	171	157	505	249	128	124	237	85
21	180	155	361	139	165	158	591	208	126	113	331	97
22	167	151	319	150	150	166	1010	198	115	109	220	94
23	164	141	192	146	166	161	1690	190	219	107	157	95
24	162	121	175	143	158	169	1650	221	392	91	137	98
25	160	155	173	146	166	166	1550	235	290	100	126	261
26	158	174	164	131	191	159	1140	200	218	103	111	286
27	154	337	167	152	186	156	837	203	182	92	243	134
28	155	439	163	140	173	161	699	227	166	90	254	120
29	148	382	161	142	---	155	441	315	150	90	285	114
30	152	330	160	143	---	159	388	272	142	89	205	104
31	148	---	158	154	---	157	---	386	---	94	185	---
TOTAL	5272	6141	6863	4924	5295	4914	21394	7464	6655	4326	4189	4948
MEAN	170	205	221	159	189	159	713	241	222	140	135	165
MAX	218	439	556	276	367	169	1690	386	445	236	331	619
MIN	148	121	150	131	141	150	158	175	115	89	72	82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2001, BY WATER YEAR (WY)

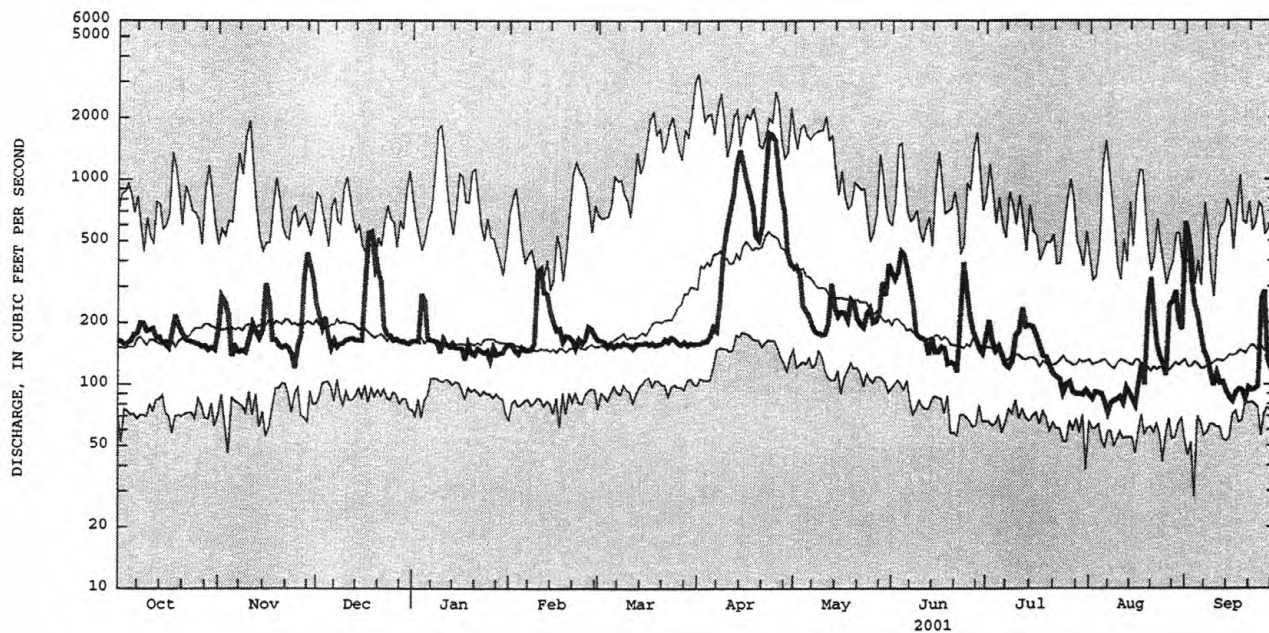
MEAN	195	219	203	195	169	274	550	334	202	158	148	159
MAX	540	446	401	502	409	637	890	948	540	393	350	322
(WY)	1978	1928	1928	1998	1981	1976	1960	1971	1947	1947	1981	1981
MIN	98.4	93.5	106	101	90.7	102	206	129	89.8	79.3	65.4	87.0
(WY)	1958	1935	1935	1961	1936	1940	1995	1941	1941	1941	1934	1941

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1925 - 2001
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ANNUAL TOTAL	110685		82385				
ANNUAL MEAN	302		226			234	
HIGHEST ANNUAL MEAN						364	1947
LOWEST ANNUAL MEAN						152	1965
HIGHEST DAILY MEAN	2030	May 11	1690	Apr 23	3280	Apr 1	1998
LOWEST DAILY MEAN	121	Nov 24	72	Aug 7	28	Sep 4	1934
ANNUAL SEVEN-DAY MINIMUM	130	Sep 6	81	Aug 6	55	Aug 5	1941
10 PERCENT EXCEEDS	617		366		413		
50 PERCENT EXCEEDS	206		164		174		
90 PERCENT EXCEEDS	148		101		104		

ST. LAWRENCE RIVER BASIN

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.

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.

PERIOD OF RECORD.--September 1928 to September 1968, March 1990 to current year. Water years 1985, 1987-89 (annual maximum only).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 164.93 ft above sea level. 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 ft³/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 ft³) from which the Clinton Correctional Facility at Dannemora (Saranac River basin) obtains its water supply (about 1 ft³/s). Several measurements of water temperature were made during the year. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,700 ft³/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 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	--	a3,000	ice jam	Apr. 14	0230	*4,770	8.69
Apr. 10	1345	ice jam	*10.76	Apr. 23	0515	3,160	7.19

Minimum discharge, 5.1 ft³/s, Aug. 12, 13, gage height, 1.30 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	60	189	e210	e140	e190	e190	514	463	89	19	207
2	49	61	e140	e200	e150	e180	e200	543	384	92	17	248
3	45	60	e110	e200	e150	e180	e220	491	399	80	17	132
4	43	59	e100	e190	e140	e180	e230	422	433	71	22	86
5	44	59	e88	e180	e140	e190	e250	368	373	81	21	70
6	51	61	e82	e180	e140	e200	e280	315	329	66	17	56
7	66	63	e82	e180	e150	e200	e330	268	317	54	14	46
8	74	62	e78	e170	e170	e200	e400	242	280	51	13	41
9	84	58	e76	e170	e220	e190	e580	222	232	54	11	38
10	78	66	e74	e160	e300	e190	e1000	204	158	56	10	32
11	71	86	e76	e150	e400	e180	e1800	188	123	77	9.3	29
12	71	100	e80	e150	e600	e180	e2800	199	115	96	6.5	26
13	65	90	e90	e150	e800	e180	e4300	516	111	81	9.8	23
14	59	85	e110	e160	e780	e180	4340	454	105	67	24	23
15	55	98	e130	e160	e700	e170	3310	319	97	63	17	23
16	50	107	e180	e160	e600	e170	2610	259	179	62	12	22
17	48	97	e340	e160	e500	e170	2220	225	205	52	12	19
18	56	88	e2200	e150	e420	e170	1790	201	142	47	15	17
19	89	81	e1800	e150	e370	e180	1450	213	103	43	18	17
20	94	75	e1300	e140	e320	e190	1300	228	85	40	18	17
21	84	e74	e1000	e140	e290	e200	1370	193	78	37	52	20
22	73	e68	e800	e130	e260	e210	2290	168	72	34	84	24
23	64	e62	e600	e130	e240	e200	2920	158	164	33	54	24
24	60	e62	e500	e130	e220	e190	2520	261	458	28	34	24
25	57	e64	e420	e130	e210	e190	2480	343	335	33	24	29
26	57	e82	e380	e130	e200	e180	1640	240	197	27	18	48
27	56	e160	e340	e130	e200	e190	1310	207	135	22	38	49
28	56	350	e300	e130	e190	e200	1180	250	101	20	60	40
29	58	273	e270	e130	---	e190	705	341	80	14	72	32
30	57	219	e250	e130	---	e190	530	280	74	14	58	28
31	59	---	e230	e140	---	e190	---	388	---	15	44	---
TOTAL	1928	2930	12415	4820	9000	5800	46545	9220	6327	1599	840.6	1490
MEAN	62.2	97.7	400	155	321	187	1552	297	211	51.6	27.1	49.7
MAX	94	350	2200	210	800	210	4340	543	463	96	84	248
MIN	43	58	74	130	140	170	190	158	72	14	6.5	1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001. BY WATER YEAR (WY)

MEAN	146	215	208	256	215	500	950	383	198	125	88.7	85.6
MAX	589	910	568	775	553	1217	2377	969	852	823	274	368
(WY)	1955	1997	1997	1930	1930	1936	1993	1947	1947	1947	1962	1954
MIN	22.3	35.8	41.1	51.7	46.5	70.5	236	97.2	43.5	23.1	26.2	20.2
(WY)	1967	1931	1967	1956	1956	1956	1995	1941	1941	1965	1966	1966

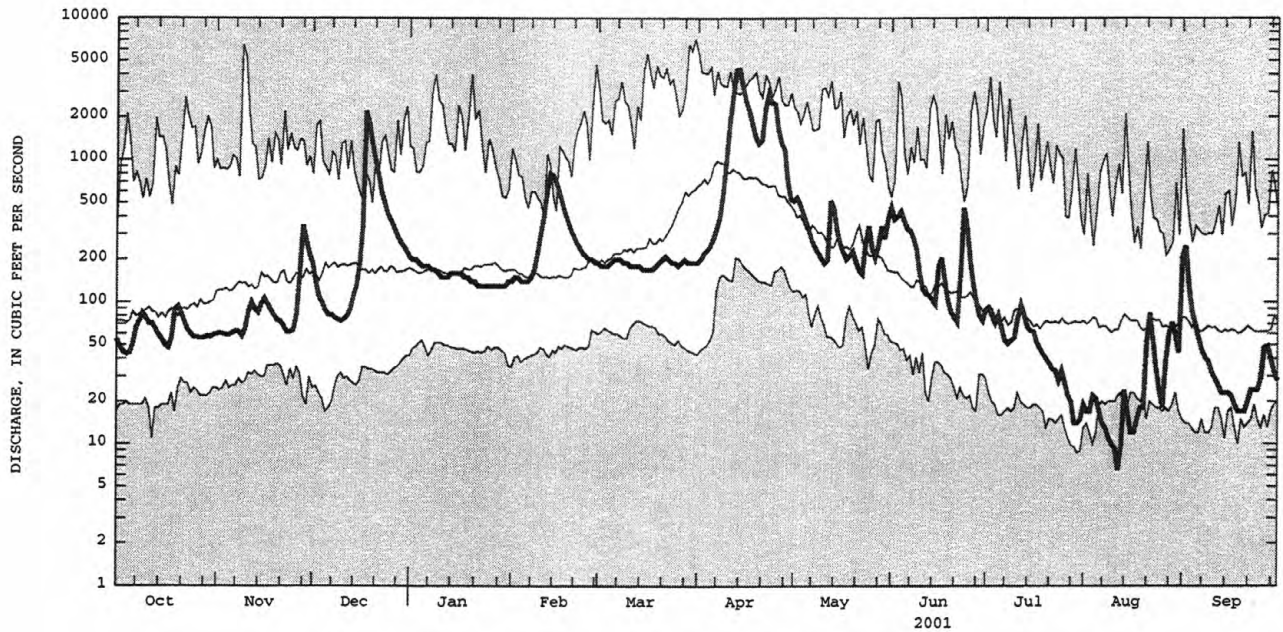
SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1928 - 2001
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ANNUAL TOTAL	161063		102914.6				
ANNUAL MEAN	440		282			280	
HIGHEST ANNUAL MEAN						514	1947
LOWEST ANNUAL MEAN						97.2	1965
HIGHEST DAILY MEAN	5000	Feb 29	4340	Apr 14		7090	Mar 31 1998
LOWEST DAILY MEAN	38	Sep 23	6.5	Aug 12		6.5	Aug 12 2001
ANNUAL SEVEN-DAY MINIMUM	44	Sep 6	11	Aug 7		11	Aug 7 2001
10 PERCENT EXCEEDS	1190		506			630	
50 PERCENT EXCEEDS	156		140			140	
90 PERCENT EXCEEDS	58		24			45	

e Estimated

ST. LAWRENCE RIVER BASIN

04271500 GREAT CHAZY RIVER AT PERRY MILLS, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04271815 LITTLE CHAZY RIVER NEAR CHAZY, NY

LOCATION.--Lat 44°54'08", long 73°24'56", Clinton County, Hydrologic Unit 02010006, on right bank at downstream side of bridge on Stetson Road, 0.2 mi upstream from abandoned dam, 1.4 mi northeast of Chazy, and 2.2 mi upstream from mouth.

DRAINAGE AREA.--50.3 mi².

PERIOD OF RECORD.--March 1990 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 115 ft above sea level, from topographic map.

REMARKS.--Records poor. Some regulation at low flow by dams and reservoirs upstream from station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,750 ft³/s, Nov. 10, 1996, gage height, 10.40 ft, outside gage height was 11.12 ft, from crest-stage gage; minimum discharge, 0.42 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 13	1515	*1,290	*6.54	No other peak greater than base discharge.			

Minimum discharge, 0.80 ft³/s, Sept. 30, gage height, 1.47 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	6.6	24	e19	e14	e20	e29	81	28	25	2.0	14
2	5.5	6.6	19	e18	e14	e20	e31	71	28	23	2.1	20
3	5.2	6.6	15	e18	e14	e21	e34	62	31	19	2.0	16
4	5.0	6.6	13	e18	e14	e22	e38	55	41	17	2.0	14
5	5.0	6.8	13	e17	e13	e23	e42	48	39	17	2.0	12
6	5.6	7.5	11	e17	e14	e23	e50	43	31	15	2.0	11
7	6.6	7.7	10	e17	e16	e24	e60	38	25	13	2.0	10
8	8.0	8.2	8.4	e16	e18	e24	e80	33	19	12	1.9	8.5
9	8.4	7.9	6.4	e16	e22	e24	e130	29	17	13	1.6	7.0
10	8.1	7.9	5.9	e15	e27	e23	e220	28	15	14	1.5	6.0
11	7.8	27	5.9	e14	e39	e22	e600	26	13	26	1.5	4.7
12	7.2	4.1	e6.0	e14	e52	e22	e1100	30	12	36	1.4	3.8
13	7.0	8.9	e6.2	e14	e78	e21	1250	92	12	32	1.3	3.3
14	6.6	8.8	e6.6	e15	e74	e21	1100	89	11	24	1.2	2.9
15	6.1	10	e7.0	e15	e68	e21	773	62	10	21	1.2	2.6
16	5.5	10	e8.6	e15	e60	e22	565	48	43	40	1.2	2.5
17	5.3	10	124	e15	e52	e22	468	39	263	3.3	1.4	2.4
18	6.0	10	301	e14	e45	e23	402	33	202	8.9	1.2	2.4
19	10	9.7	287	e14	e41	e24	345	32	95	5.2	1.2	2.3
20	8.0	9.4	163	e14	e36	e26	316	30	55	7.8	1.6	2.3
21	9.5	9.4	81	e13	e31	e27	302	28	38	7.3	1.9	2.6
22	7.1	9.3	61	e13	e29	e27	343	24	30	7.5	1.5	2.3
23	6.1	8.6	49	e13	e27	e26	457	22	133	22	5.1	2.5
24	6.6	7.6	38	e12	e25	e25	387	29	230	2.1	3.9	2.5
25	6.7	6.7	e30	e12	e23	e24	327	39	179	1.5	2.7	3.2
26	6.2	7.9	e26	e12	e22	e25	275	33	99	1.4	2.2	4.0
27	6.0	18	e22	e12	e21	e25	210	29	62	1.4	3.5	6.3
28	6.1	29	e21	e13	e20	e25	133	31	40	1.6	6.3	6.6
29	6.2	31	e21	e13	---	e25	120	31	31	1.7	7.0	27
30	6.0	28	e20	e14	---	e26	97	28	26	1.7	6.2	1.1
31	6.3	---	e19	e14	---	e27	---	28	---	1.8	5.8	---
TOTAL	205.5	335.8	1429.0	456	909	730	10284	1291	1858	422.2	78.4	205.8
MEAN	6.63	11.2	46.1	14.7	32.5	23.5	343	41.6	61.9	13.6	2.53	6.86
MAX	10	31	301	19	78	27	1250	92	263	40	7.0	27
MIN	5.0	4.1	5.9	12	13	20	29	22	10	1.4	1.2	1.1
CFSM	.13	.22	.92	.29	.65	.47	6.82	.83	1.23	.27	.05	.14
IN.	.15	.25	1.06	.34	.67	.54	7.61	.95	1.37	.31	.06	.15

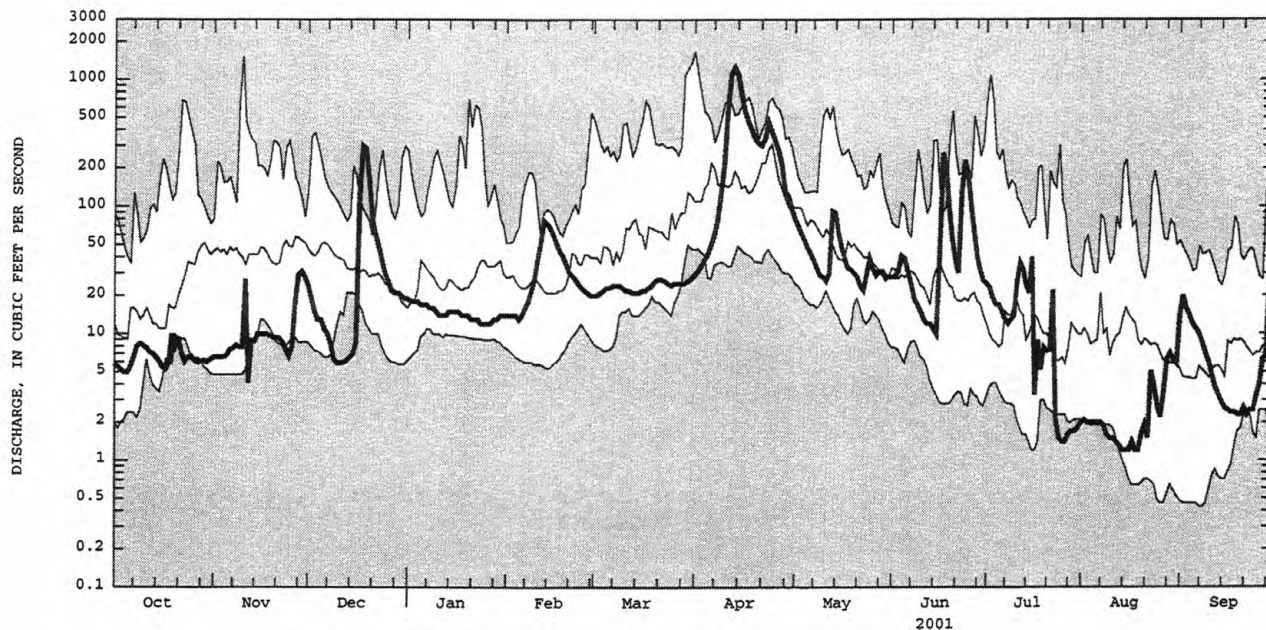
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

	MEAN	41.2	67.3	46.4	50.9	37.3	107	220	74.5	44.7	33.4	16.6	11.4
MAX	110	214	122	129	75.6	274	420	213	136	163	43.2	40.0	
(WY)	1997	1997	1997	1995	1991	2000	1993	2000	1998	1998	1990	1998	
MIN	5.74	7.76	10.5	12.2	7.45	20.8	43.4	15.7	4.93	2.81	1.15	1.42	
(WY)	1992	1992	1992	1994	1992	1993	1995	1999	1999	1995	1991	1991	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1990 - 2001
ANNUAL TOTAL	33087.3	18204.7	
ANNUAL MEAN	90.4	49.9	61.7
HIGHEST ANNUAL MEAN			95.8
LOWEST ANNUAL MEAN			28.1
HIGHEST DAILY MEAN	593	May 11	1670
LOWEST DAILY MEAN	4.1	Sep 12	.43
ANNUAL SEVEN-DAY MINIMUM	4.3	Sep 8	.45
ANNUAL RUNOFF (CFSM)	1.80	.99	1.23
ANNUAL RUNOFF (INCHES)	24.47	13.46	16.67
10 PERCENT EXCEEDS	308	81	155
50 PERCENT EXCEEDS	17	16	27
90 PERCENT EXCEEDS	6.0	2.4	4.6

e Estimated

ST. LAWRENCE RIVER BASIN
04271815 LITTLE CHAZY RIVER NEAR CHAZY, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

ST. LAWRENCE RIVER BASIN

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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 mi².

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. Datum of gage is 155.74 ft above sea level. 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 4.62 ft³/s from Saranac River and Mead and West Brooks, tributaries upstream from station, for municipal supply. About 1 ft³/s diverted from Great Chazy River basin into Saranac River for water supply of State Institutions at Dannemora. Several measurements of water temperature were made during the year. National Weather Service telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,400 ft³/s, Nov. 9, 1996, gage height, 12.11 ft; minimum discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,940 ft³/s, Apr. 23, gage height, 7.96 ft; minimum, 143 ft³/s, July 23, gage height, 2.40 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	413	399	822	e740	e500	638	701	2240	1000	793	326	811
2	410	389	629	e720	e520	612	684	2130	1070	1080	301	910
3	412	389	500	e700	e520	551	668	2080	1330	1030	263	866
4	405	387	533	e700	e520	509	668	1990	1500	1030	276	602
5	506	389	569	e700	e520	473	730	1860	1430	1000	268	451
6	543	378	570	e680	520	448	1070	1700	1310	822	261	463
7	536	382	516	e680	532	510	1060	1560	1170	739	238	441
8	585	385	397	e660	e540	538	1300	1460	987	567	278	468
9	577	388	434	626	e580	513	1650	1340	716	477	260	471
10	574	490	e450	584	e660	510	2080	1340	680	501	283	416
11	502	490	e460	627	e720	504	2330	1270	679	488	271	379
12	517	440	e450	589	e800	548	2560	1410	717	512	251	340
13	507	441	e460	e600	e940	504	3060	1860	675	568	288	341
14	512	473	e470	e580	e1000	510	3730	1680	553	589	242	337
15	505	560	e480	e580	e860	e540	3740	1470	483	546	243	341
16	482	564	544	e580	e780	e520	3760	1340	512	509	240	324
17	492	577	913	e600	e720	e520	3700	1240	595	408	285	338
18	577	541	1650	e580	e700	e540	3310	1170	548	349	285	336
19	642	549	1510	e540	e680	e580	2890	1170	650	387	269	346
20	582	518	1560	e500	e640	608	2710	1070	579	366	320	369
21	540	500	1520	e520	e620	664	2920	870	562	412	404	406
22	515	492	e1300	e520	e580	649	4140	755	552	371	410	467
23	514	428	e1100	e520	e560	613	5560	730	1020	375	367	453
24	505	359	e960	e520	e560	e700	5410	1140	1470	409	282	447
25	497	437	e820	e540	e580	e680	5290	991	1450	414	361	504
26	489	518	e740	e540	655	e640	4340	727	1250	398	310	580
27	497	862	e720	e500	677	e640	3730	702	1210	377	619	501
28	469	952	e800	e460	668	655	3230	844	1130	334	478	474
29	430	955	e940	e470	---	645	2780	785	1070	301	576	460
30	422	1000	e860	e480	---	594	2470	763	1060	303	492	431
31	382	---	e780	e490	---	635	---	1010	---	306	467	---
TOTAL	15539	15632	24457	18126	18152	17791	82271	40697	27958	16761	10214	14073
MEAN	501	521	789	585	648	574	2742	1313	932	541	329	469
MAX	642	1000	1650	740	1000	700	5560	2240	1500	1080	619	910
MIN	382	359	397	460	500	448	668	702	483	301	238	324

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2001, BY WATER YEAR (WY)

	MEAN	624	736	733	699	661	1093	2005	1378	803	568	474	490
MAX	2162	1971	2071	2176	1372	2487	3626	3687	2757	1820	1045	1220	
(WY)	1978	1997	1984	1998	1981	1921	1993	1971	1947	1947	1986	1905	
MIN	250	239	309	302	304	434	698	518	313	190	266	204	
(WY)	1965	1923	1909	1923	1961	1967	1957	1903	1999	1979	1911	1968	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

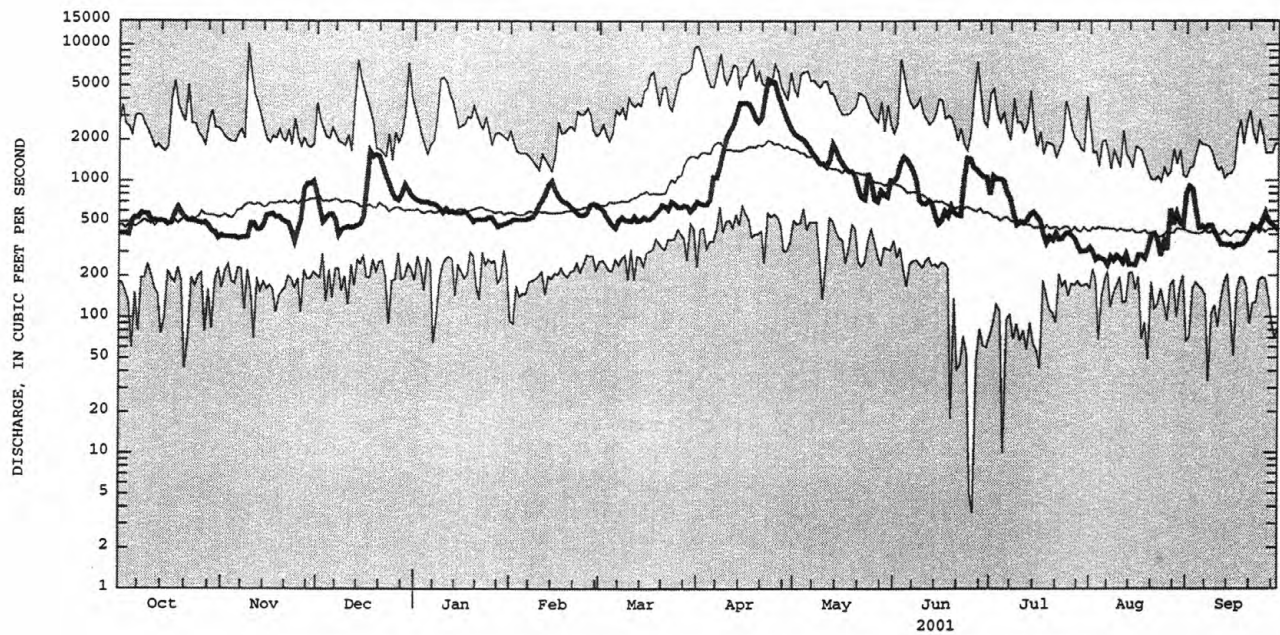
WATER YEARS 1903 - 2001

ANNUAL TOTAL	421590	301671	
ANNUAL MEAN	1152	826	856
HIGHEST ANNUAL MEAN			1458
LOWEST ANNUAL MEAN			460
HIGHEST DAILY MEAN	5400	Apr 9	10200
LOWEST DAILY MEAN	321	Sep 20	3.6
ANNUAL SEVEN-DAY MINIMUM	385	Nov 3	38
10 PERCENT EXCEEDS	2630		1640
50 PERCENT EXCEEDS	660		640
90 PERCENT EXCEEDS	447		325

e Estimated

ST. LAWRENCE RIVER BASIN

04273500 SARANAC RIVER AT PLATTSBURGH, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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.

PERIOD OF RECORD.--May 1959 to September 1968 (no winter records prior to October 1965), March 1990 to current year. Occasional low-flow measurements, water years 1954, 1957-58. Annual maximum, water years 1969-86.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 220.53 ft above sea level. 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. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft³/s, Nov. 9, 1996, gage height, 7.56 ft, from floodmark in gage well; minimum discharge, 3.0 ft³/s, Sept. 17, 1967.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 9	0215	ice jam	a*5.29	Apr. 23	0345	931	4.01
Apr. 13	2200	*1,140	4.35				

a Recorded; outside gage height was 6.35 ft, from crest-stage gage.

Minimum discharge, 8.9 ft³/s, Aug. 16, gage height, 0.37 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	26	36	e40	e24	e25	e27	88	52	37	13	55
2	19	22	e33	e39	e25	e26	e28	81	65	41	12	29
3	19	21	e38	e37	e26	e26	e29	72	74	34	13	19
4	19	21	e45	e36	e26	e25	e32	64	103	30	13	17
5	21	22	e48	e34	e25	e26	e37	59	73	31	12	18
6	29	22	e44	e32	e24	e27	e47	54	56	26	11	16
7	31	21	e42	e31	e25	e28	e60	50	47	25	10	15
8	34	21	e39	e30	e28	e29	e100	47	40	25	10	14
9	25	23	e35	e29	e34	e28	e200	45	37	25	10	13
10	22	32	e33	e28	e43	e27	e350	43	33	34	12	13
11	21	38	e32	e27	e52	e26	583	40	32	26	13	12
12	20	29	e32	e26	e58	e25	698	144	35	24	11	12
13	20	26	e33	e26	e60	e25	951	322	33	22	11	12
14	24	26	e37	e26	e58	e24	901	134	30	23	10	12
15	19	30	e43	e26	e56	e24	685	92	27	22	9.6	11
16	18	27	e60	e26	e52	e24	554	72	28	20	9.4	12
17	19	25	e140	e26	e47	e26	462	61	98	20	15	11
18	22	26	e370	e25	e43	e28	356	55	50	22	15	11
19	27	24	e210	e25	e40	e29	275	60	34	19	13	12
20	24	24	e180	e24	e36	e30	245	59	28	18	13	14
21	22	25	e150	e23	e35	e30	321	50	26	16	18	17
22	22	e23	e130	e22	e33	e29	634	44	27	16	19	16
23	20	e22	e110	e21	e32	e28	749	47	329	15	14	14
24	20	e22	e96	e21	e30	e27	559	103	253	15	12	14
25	21	e23	e82	e21	e29	e27	410	83	109	14	11	20
26	21	e40	e70	e20	e28	e26	231	60	62	13	11	23
27	21	e96	e60	e20	e26	e27	163	58	45	12	29	18
28	21	59	e54	e21	e25	e27	136	65	35	12	26	16
29	20	47	e50	e21	---	e26	114	62	31	12	34	16
30	21	41	e45	e22	---	e26	98	52	31	14	20	15
31	22	---	e42	e23	---	e27	---	58	---	14	17	---
TOTAL	684	904	2419	828	1020	828	10035	2324	1923	677	447.0	497
MEAN	22.1	30.1	78.0	26.7	36.4	26.7	334	75.0	64.1	21.8	14.4	16.6
MAX	34	96	370	40	60	30	951	322	329	41	34	55
MIN	18	21	32	20	24	24	27	40	26	12	9.4	11
CFSM	.35	.48	1.23	.42	.58	.42	5.28	1.18	1.01	.35	.23	.26
IN.	.40	.53	1.42	.49	.60	.49	5.90	1.37	1.13	.40	.26	.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	39.6	57.5	49.4	57.5	45.8	112	189	79.7	56.7	39.0	24.8	21.4
MAX	87.9	202	112	144	98.9	229	364	219	271	249	63.8	54.7
(WY)	1996	1997	1997	1998	2000	1998	1993	2000	1998	1998	1998	1998
MIN	11.7	14.3	14.0	21.5	15.2	22.1	42.2	29.2	17.7	7.16	7.82	10.1
(WY)	1967	1967	1967	1967	1967	1967	1995	1995	1999	1966	1966	1966

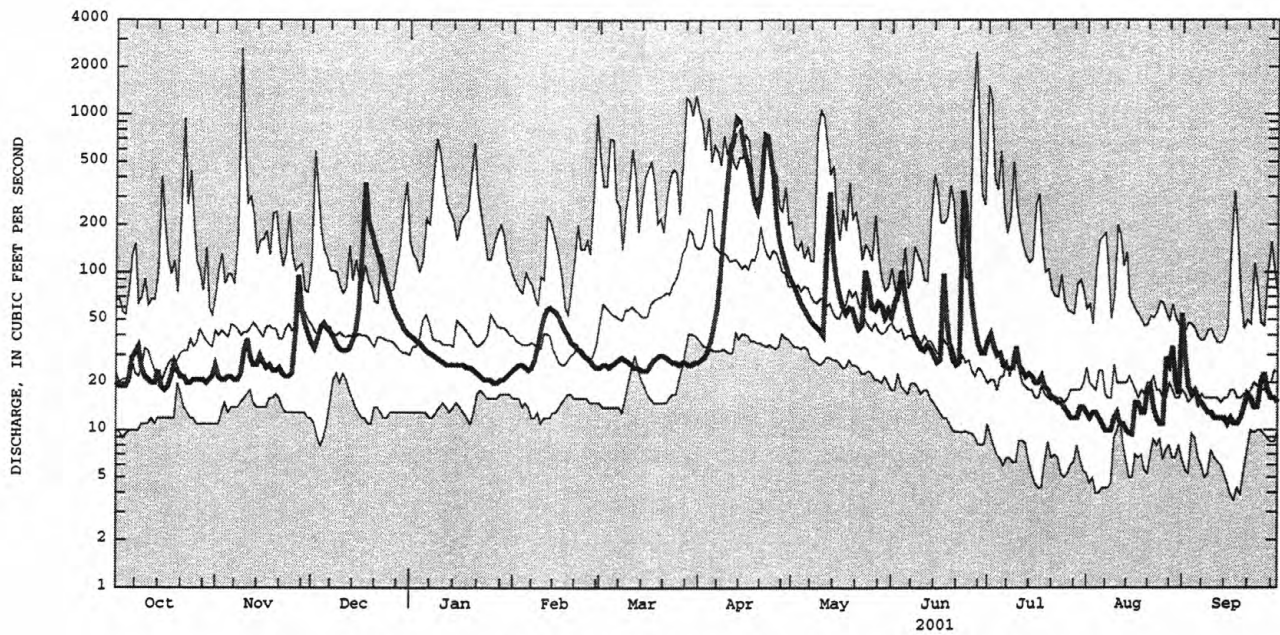
SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1966 - 2001
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ANNUAL TOTAL	34550		22586.0						
ANNUAL MEAN	94.4		61.9			64.1			
HIGHEST ANNUAL MEAN						121			1998
LOWEST ANNUAL MEAN						28.0			1967
HIGHEST DAILY MEAN	1060	May 10	951	Apr 13		2640		Nov 9	1996
LOWEST DAILY MEAN	16	Sep 22	9.4	Aug 16		3.6		Sep 17	1967
ANNUAL SEVEN-DAY MINIMUM	18	Sep 6	11	Aug 10		4.5		Sep 14	1967
ANNUAL RUNOFF (CFSM)	1.49		.98			1.01			
ANNUAL RUNOFF (INCHES)	20.30		13.27			13.75			
10 PERCENT EXCEEDS	219		101			125			
50 PERCENT EXCEEDS	36		27			36			
90 PERCENT EXCEEDS	20		14			13			

e Estimated

ST. LAWRENCE RIVER BASIN

04273700 SALMON RIVER AT SOUTH PLATTSBURGH, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04273800 LITTLE AUSABLE RIVER NEAR VALCOUR, NY

LOCATION.--Lat 44°35'39", long 73°29'48", Clinton County, Hydrologic Unit 02010004, on left bank at upstream side of bridge on Fuller Road, 2.8 mi southwest of Valcour, and 2.9 mi upstream from mouth.

DRAINAGE AREA.--67.8 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,210 ft³/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 ft³/s on basis of peak flow from contracted-opening measurement at site 0.4 mi upstream; minimum discharge, 1.4 ft³/s, July 23, 1999, gage height, 0.95 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 12	2300	ice jam	*4.66	Apr. 13	2200	*1,600	4.62

Minimum discharge, 2.6 ft³/s, Aug. 9, 12, gage height, 1.19 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	20	33	e26	e20	e18	e27	73	40	39	5.4	72
2	15	19	e29	e25	e21	e19	e28	66	40	49	4.8	45
3	14	19	e26	e24	e21	e19	e29	61	45	63	4.4	28
4	13	19	e23	e23	e21	e20	e31	56	52	54	4.7	19
5	14	20	e22	e22	e20	e19	e35	52	50	61	4.9	16
6	21	20	e21	e21	e20	e19	e43	48	44	73	5.2	13
7	24	20	e20	e21	e21	e20	e52	45	36	57	6.2	11
8	26	19	e19	e20	e22	e21	e90	43	29	45	4.0	8.3
9	23	19	e18	e20	e23	e20	e200	40	25	48	3.1	7.6
10	20	25	e17	e19	e30	e21	e340	38	21	83	3.2	6.6
11	17	32	e16	e19	e36	e21	e500	34	18	44	3.1	6.4
12	17	31	e16	e18	e40	e21	e700	61	18	39	3.2	5.9
13	16	28	e16	e18	e40	e21	e1200	117	19	32	3.7	5.2
14	15	26	e16	e18	e37	e21	911	112	17	28	3.5	4.9
15	15	28	e17	e18	e35	e22	597	89	15	25	3.4	5.1
16	15	27	e22	e18	e33	e23	459	66	15	23	3.2	4.9
17	14	25	e150	e18	e30	e24	426	52	51	21	7.1	4.7
18	17	25	e110	e17	e27	e26	332	46	46	20	8.2	5.3
19	19	24	e96	e17	e26	e29	259	48	29	20	7.6	5.3
20	19	23	e82	e17	e25	e30	221	50	20	20	6.6	5.4
21	18	23	e70	e17	e24	e29	240	46	16	14	7.1	7.4
22	18	22	e62	e18	e23	e28	388	42	15	13	10	8.4
23	17	e20	e54	e18	e22	e27	453	40	184	11	7.1	7.7
24	18	e20	e49	e18	e21	e26	331	64	289	10	6.9	6.9
25	18	e20	e44	e17	e20	e26	238	67	200	9.2	6.0	8.7
26	19	21	e40	e17	e20	e26	171	56	118	8.2	5.8	12
27	18	35	e36	e17	e19	e25	134	50	e70	6.8	16	12
28	17	47	e34	e18	e19	e26	113	49	e40	6.1	20	11
29	19	43	e31	e18	---	e25	95	48	28	6.4	23	9.5
30	19	38	e29	e19	---	e25	82	47	26	6.3	16	9.2
31	19	---	e28	e20	---	e26	---	44	---	6.5	20	---
TOTAL	549	758	1246	596	716	723	8725	1750	1616	941.5	233.4	372.4
MEAN	17.7	25.3	40.2	19.2	25.6	23.3	291	56.5	53.9	30.4	7.53	12.4
MAX	26	47	150	26	40	30	1200	117	289	83	23	72
MIN	13	19	16	17	19	18	27	34	15	6.1	3.1	4.7
CFSM	.26	.37	.59	.28	.38	.34	4.29	.83	.79	.45	.11	.18
IN.	.30	.42	.68	.33	.39	.40	4.79	.96	.89	.52	.13	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	36.1	56.3	41.6	59.6	39.2	93.5	187	77.1	69.2	52.0
MAX	103	171	103	147	69.6	251	329	204	370	333
(WY)	1999	1997	1997	1998	2000	1998	1993	2000	1998	1998
MIN	11.2	23.0	27.7	15.5	15.1	23.3	36.9	26.5	12.1	8.21
(WY)	1995	1992	1994	1994	1992	2001	1995	1995	1999	1992

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

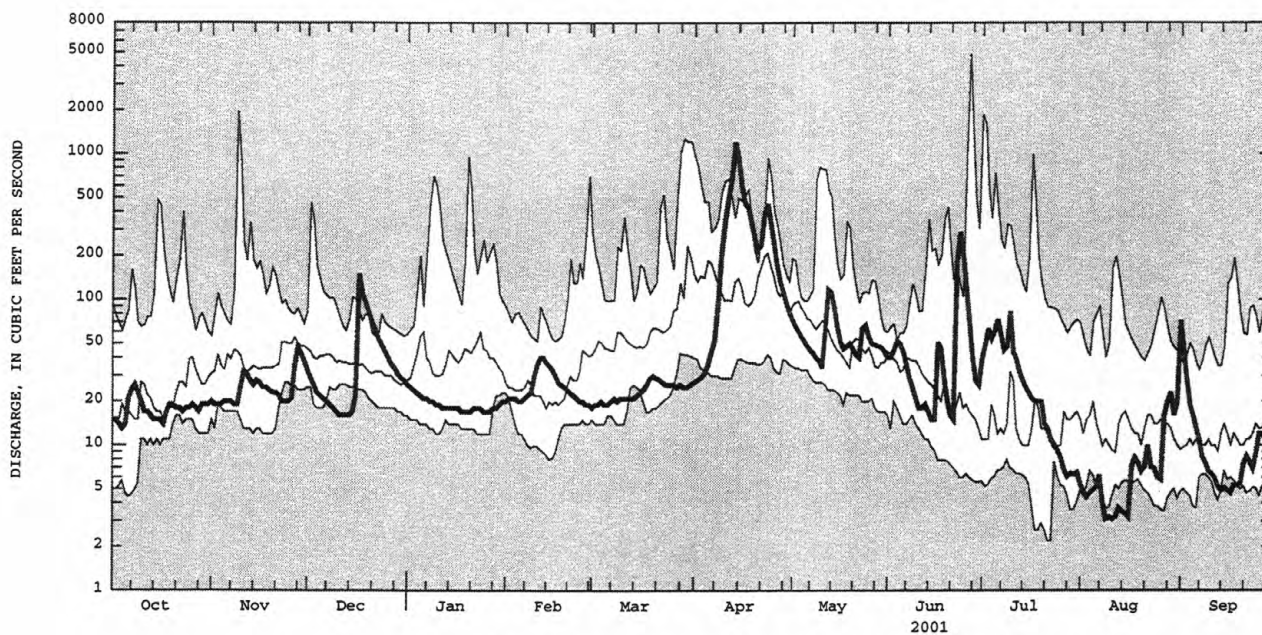
WATER YEARS 1992 - 2001

ANNUAL TOTAL	29726	18226.3	
ANNUAL MEAN	81.2	49.9	62.4
HIGHEST ANNUAL MEAN			136
LOWEST ANNUAL MEAN			26.3
HIGHEST DAILY MEAN	808	May 10	1200
LOWEST DAILY MEAN	11	Sep 10	3.1
ANNUAL SEVEN-DAY MINIMUM	13	Sep 6	3.3
ANNUAL RUNOFF (CFSM)	1.20	.74	.92
ANNUAL RUNOFF (INCHES)	16.31	10.00	12.51
10 PERCENT EXCEEDS	205	73	118
50 PERCENT EXCEEDS	30	21	32
90 PERCENT EXCEEDS	16	6.9	9.0

e Estimated

ST. LAWRENCE RIVER BASIN

04273800 LITTLE AUSABLE RIVER NEAR VALCOUR, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04275500 AUSABLE RIVER NEAR AU SABLE FORKS, NY

LOCATION.--Lat 44°27'05", long 73°38'35", Clinton County, Hydrologic Unit 02010004, on left bank 1.8 mi downstream from confluence of East and West Branches, and 1.8 mi east of Au Sable Forks.

DRAINAGE AREA.--446 mi².

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 sea level. Prior to Oct. 1, 1924, chain gage at site 1.5 mi upstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Occasional regulation by Fern Lake and Taylor Pond in Black Brook basin and Upper and Lower Ausable Lakes. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,400 ft³/s, Nov. 9, 1996, gage height, 13.83 ft, from rating curve extended above 13,000 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 13	1745	8,350	7.07	June 24	0200	7,260	6.64
Apr. 22	2215	*12,600	*8.50				

Minimum discharge, 108 ft³/s, Sept. 18, gage height, 1.12 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	213	229	465	e400	e230	e250	e260	2200	1000	731	155	897
2	201	226	387	e380	e230	e240	e260	3630	993	940	151	679
3	194	223	e360	e370	e230	e230	e250	4050	1100	656	148	432
4	189	226	e340	e360	e230	e230	e250	3790	1390	515	199	304
5	193	236	e310	e370	e230	e250	e260	2790	1210	447	205	242
6	251	256	e300	e360	e230	e260	e270	1850	952	378	161	207
7	316	249	e300	e340	e220	e260	e300	1360	761	338	144	183
8	320	246	e290	e320	e240	e250	e400	1210	619	327	166	167
9	310	267	e280	e300	e280	e250	e700	1230	513	346	178	153
10	283	549	e280	e280	e420	e240	e1200	1200	441	354	173	145
11	269	853	e280	e270	e640	e240	2290	1150	390	399	345	e140
12	261	647	e270	e260	e600	e240	3570	1410	387	393	227	e130
13	260	516	e270	e250	e540	e230	7510	2370	363	364	176	124
14	269	442	e270	e250	e500	e230	5250	1490	330	366	150	120
15	267	564	e270	e250	e470	e230	3690	1070	300	411	134	116
16	248	510	e370	e240	e460	e230	3080	870	282	401	128	113
17	317	429	e1000	e240	e440	e220	2610	787	780	268	148	111
18	350	390	3930	e240	e400	e260	2120	680	726	296	166	111
19	742	354	1720	e230	e370	e280	1760	691	468	255	162	113
20	594	320	1110	e230	e360	e300	1600	648	355	234	161	115
21	401	305	e720	e230	e350	e300	2220	585	303	216	181	396
22	330	278	e640	e220	e330	e300	7970	551	286	203	183	335
23	285	271	e580	e220	e310	e290	8910	663	3130	192	167	239
24	266	e350	e540	e210	e290	e290	10200	1280	5510	181	151	193
25	253	e450	e520	e210	e270	e280	6280	1150	2330	183	135	656
26	244	623	e500	e200	e270	e270	3260	818	1280	176	129	900
27	238	707	e480	e200	e260	e270	2690	721	811	159	158	446
28	234	799	e460	e200	e260	e260	2600	1350	585	156	316	329
29	230	651	e450	e220	---	e250	2000	1300	466	152	385	382
30	231	543	e430	e230	---	e260	1700	986	436	154	301	301
31	232	---	e400	e230	---	e270	---	1000	---	158	244	---
TOTAL	8991	12709	18522	8310	9660	7960	85460	44880	28497	10349	5827	8779
MEAN	290	424	597	268	345	257	2849	1448	950	334	188	293
MAX	742	853	3930	400	640	300	10200	4050	5510	940	385	900
MIN	189	223	270	200	220	220	250	551	282	152	128	111
CFSM	.65	.95	1.34	.60	.77	.58	6.39	3.25	2.13	.75	.42	.66
IN.	.75	1.06	1.54	.69	.81	.66	7.13	3.74	2.38	.86	.49	.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

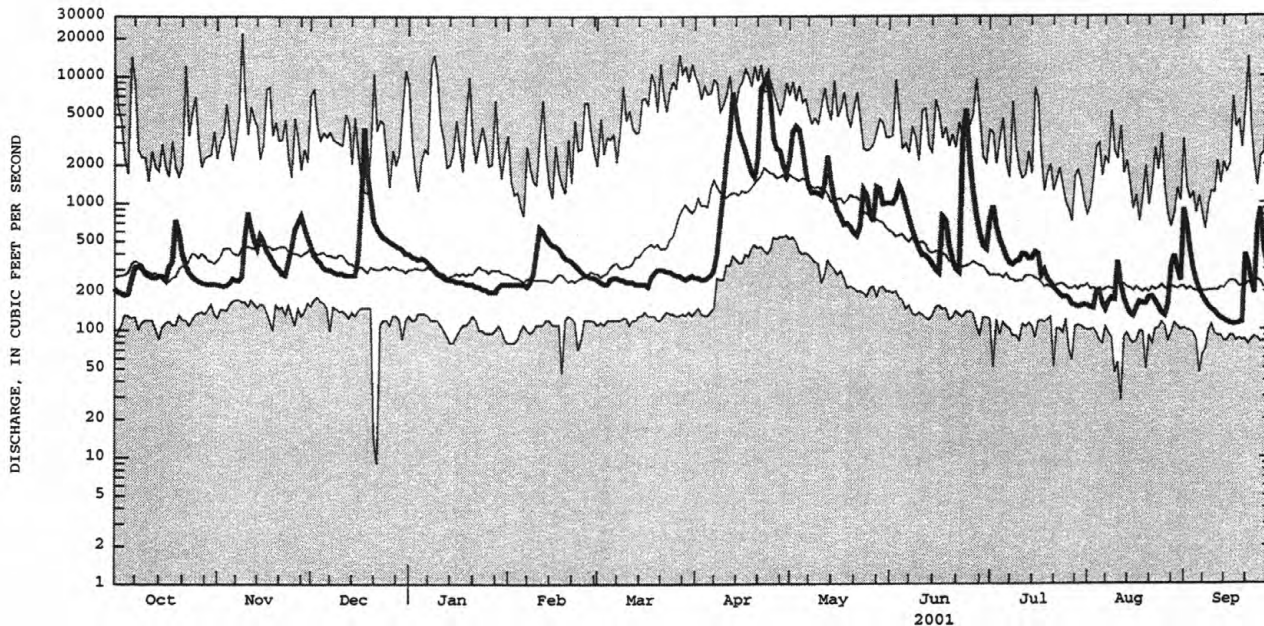
	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921
MEAN	496	611	521	457	360	849	1892	1389	618	360	287	337
MAX	1637	1729	1659	1968	1010	3288	3436	3101	1905	1444	718	1255
(WY)	1919	1928	1921	1998	1925	1921	1960	1947	1998	1947	1943	1938
MIN	175	229	169	132	118	167	600	359	182	150	99.4	96.5
(WY)	1915	1940	1923	1918	1931	1940	1995	1921	1941	1965	1923	1921

e Estimated

ST. LAWRENCE RIVER BASIN

04275500 AUSABLE RIVER NEAR AU SABLE FORKS, NY--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	305233		249944		684	
ANNUAL MEAN	834		685		1087	
HIGHEST ANNUAL MEAN					380	
LOWEST ANNUAL MEAN					1947	
HIGHEST DAILY MEAN	6390	Apr 4	10200	Apr 24	22000	Nov 9 1996
LOWEST DAILY MEAN	158	Sep 11	111	Sep 17	9.0	Dec 22 1912
ANNUAL SEVEN-DAY MINIMUM	177	Sep 6	114	Sep 14	72	Aug 8 1923
ANNUAL RUNOFF (CFSM)	1.87		1.54		1.53	
ANNUAL RUNOFF (INCHES)	25.46		20.85		20.82	
10 PERCENT EXCEEDS	2020		1350		1510	
50 PERCENT EXCEEDS	421		301		350	
90 PERCENT EXCEEDS	223		171		165	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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.

PERIOD OF RECORD.--August to September 1904 and August to November 1908 (gage heights and discharge measurements only), July 1923 to September 1968, March 1990 to current year. Water years 1980, 1985, 1987-89 (annual maximum only).

GAGE.--Water-stage recorder. Datum of gage is 150.88 ft above sea level. Prior to November 1908, staff gages at site 0.75 mi downstream at various datums. July 23 to Aug. 28, 1923, staff gage at site 600 ft downstream at present datum. May 1987 to February 1990, crest-stage gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional diurnal fluctuation at low flow caused by powerplant at Wadhams. Slight regulation by Lincoln Pond on Black River. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,300 ft³/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 ft³/s, Sept. 20, 1957, gage height, 1.84 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 13	2015	4,740	7.16	Apr. 23	0945	*5,400	*7.57

Minimum discharge, 29 ft³/s, Aug. 20, gage height, 2.12 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	88	187	e230	e130	e120	e160	942	339	216	55	74
2	80	85	143	e220	e120	e110	e170	1230	314	274	51	90
3	77	84	156	e220	e120	e110	e170	1220	423	206	51	69
4	77	84	e180	e210	e110	e110	e180	1090	585	158	60	52
5	79	87	e150	e200	e110	e100	e190	881	464	151	69	46
6	111	100	e130	e190	e120	e100	e220	646	348	141	50	45
7	162	109	e120	e190	e110	e98	e270	534	274	125	45	40
8	144	101	e110	e180	e120	e100	e370	467	242	117	52	39
9	120	98	e80	e170	e150	e100	e460	431	206	148	45	37
10	111	113	e90	e160	e190	e98	e700	412	177	164	49	33
11	102	210	e100	e170	e220	e96	e1400	383	171	190	71	31
12	94	213	e110	e160	e200	e100	e2500	382	166	156	64	44
13	90	173	e120	e150	e180	e100	4270	652	166	135	52	51
14	86	151	e130	e140	e170	e100	3870	497	146	117	44	45
15	78	185	e120	e130	e160	e110	2500	376	136	110	41	49
16	87	211	e110	e150	e150	e110	2090	324	122	96	37	48
17	92	168	e400	e140	e140	e120	1830	290	244	95	43	47
18	112	148	e1700	e130	e130	e120	1500	271	303	118	55	41
19	178	133	e1000	e130	e130	e140	1270	253	197	107	41	48
20	183	122	e600	e120	e120	e150	1170	239	147	88	39	43
21	137	117	e430	e120	e120	e160	1450	220	127	79	41	63
22	116	112	e400	e120	e110	e180	2950	205	117	76	42	129
23	103	101	e320	e110	e110	e190	4640	228	131	68	43	71
24	97	e120	e300	e110	e110	e180	3960	682	1020	69	38	65
25	95	e150	e290	e110	e100	e180	3710	688	749	66	36	108
26	91	e200	e280	e110	e110	e170	1760	438	426	63	34	662
27	89	e250	e270	e100	e120	e160	1430	353	281	61	37	229
28	83	331	e260	e100	e120	e150	1330	554	211	55	41	137
29	87	265	e260	e96	---	e130	1070	707	169	55	52	128
30	86	216	e250	e110	---	e150	930	494	156	55	68	124
31	88	---	e240	e120	---	e160	---	399	---	56	49	---
TOTAL	3217	4525	9036	4596	3780	4002	48520	16488	8557	3615	1495	2688
MEAN	104	151	291	148	135	129	1617	532	285	117	48.2	89.6
MAX	183	331	1700	230	220	190	4640	1230	1020	274	71	662
MIN	77	84	80	96	100	96	160	205	117	55	34	31
CFSM	.38	.56	1.08	.55	.50	.48	5.99	1.97	1.06	.43	.18	.33
IN.	.44	.62	1.24	.63	.52	.55	6.68	2.27	1.18	.50	.21	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2001, BY WATER YEAR (WY)

MEAN	177	260	236	229	182	458	957	546	255	148	105	107
MAX	543	892	755	772	627	1375	1945	1140	924	582	417	483
(WY)	1946	1928	1928	1996	1925	1936	1993	1945	1998	1947	1990	1938
MIN	40.8	80.5	79.4	53.6	45.1	67.9	258	149	70.3	30.3	28.6	26.9
(WY)	1958	1957	1931	1940	1940	1967	1995	1941	1995	1965	1941	1941

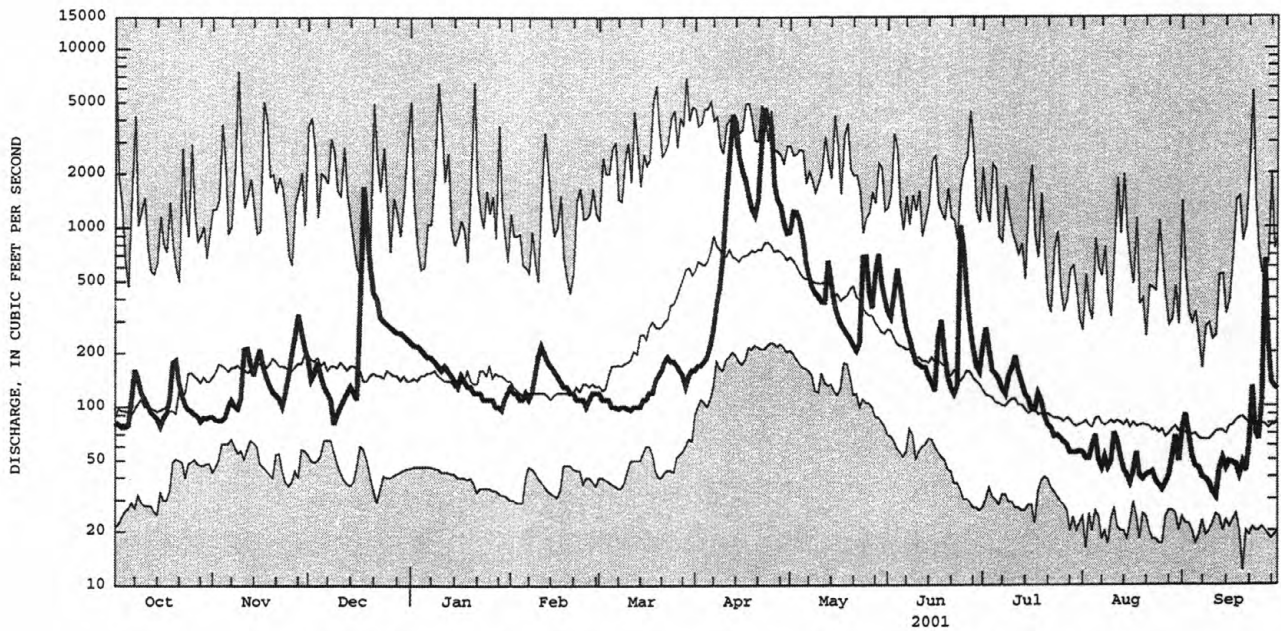
SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1923 - 2001
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ANNUAL TOTAL	137834		110519			
ANNUAL MEAN	377		303		303	
HIGHEST ANNUAL MEAN					496	1998
LOWEST ANNUAL MEAN					122	1965
HIGHEST DAILY MEAN	2870	Apr 22	4640	Apr 23	8400	Oct 1 1924
LOWEST DAILY MEAN	63	Sep 12	31	Sep 11	12	Sep 19 1957
ANNUAL SEVEN-DAY MINIMUM	70	Sep 7	38	Sep 6	20	Sep 23 1941
ANNUAL RUNOFF (CFSM)	1.39		1.12		1.12	
ANNUAL RUNOFF (INCHES)	18.99		15.23		15.25	
10 PERCENT EXCEEDS	920		618		698	
50 PERCENT EXCEEDS	180		130		152	
90 PERCENT EXCEEDS	87		51		60	

e Estimated

ST. LAWRENCE RIVER BASIN

04276500 BOUQUET RIVER AT WILLSBORO, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04276842 PUTNAM CREEK EAST OF CROWN POINT CENTER, NY

LOCATION.--Lat 43°56'33", long 73°27'51", Essex County, Hydrologic Unit 02010001, on right bank 200 ft upstream from bridge at Fish Hatchery, 200 ft downstream from Rennie Brook, and 0.2 mi east of Crown Point Center.

DRAINAGE AREA.--51.6 mi².

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 sea level, from topographic map.

REMARKS.--Records poor. Several measurements of water temperature were made during the year. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 2,500 ft³/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, 0.53 ft³/s, July 14, 15, 1995; minimum gage height, 3.02 ft, July 26, 1993.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s (revised) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 14	2100	859	6.46	Apr. 22	2345	*2,110	a*7.29

a Recorded; outside gage height was 7.95 ft, from crest-stage gage.

Minimum discharge, 2.0 ft³/s, Sept. 9, 10, gage height, 3.74 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	14	50	e48	e21	e21	36	198	97	28	4.0	3.6
2	5.5	13	42	e46	e22	e21	38	184	136	28	3.6	3.2
3	5.2	12	35	e43	e22	21	39	177	184	25	9.4	2.7
4	5.3	12	32	e42	e22	20	39	155	229	28	11	2.5
5	5.7	13	e28	e40	e22	21	48	135	180	41	9.2	2.4
6	21	13	e26	e39	e22	35	56	114	133	29	8.4	2.3
7	21	13	e23	e38	e23	37	62	97	103	23	7.2	2.2
8	19	13	e21	e36	e24	36	89	84	81	23	6.1	2.1
9	16	14	e20	e35	29	35	120	73	68	30	5.2	2.1
10	13	24	e20	e31	48	32	173	66	57	29	5.1	2.1
11	12	31	e19	e30	e50	29	226	58	56	22	4.7	2.1
12	10	33	e19	e29	48	26	366	63	67	18	4.2	2.2
13	9.5	31	e18	e28	43	e25	620	73	60	16	4.0	2.2
14	9.0	33	e18	e27	37	e25	766	58	51	15	3.6	2.3
15	8.5	48	e19	e27	36	e24	734	49	43	14	3.2	2.2
16	13	44	e28	e28	34	e24	663	44	38	13	3.1	2.3
17	18	42	245	e27	31	e24	568	40	140	18	3.9	2.3
18	32	39	544	e26	e29	e24	472	37	105	21	4.0	2.3
19	40	36	342	e25	e28	25	402	35	76	14	3.4	2.4
20	34	32	238	e24	27	26	378	33	56	12	3.1	2.7
21	30	30	177	e23	26	29	492	29	46	11	3.1	5.8
22	29	28	141	e22	e25	40	1120	30	41	9.4	2.9	4.2
23	26	24	112	e22	e24	44	1470	38	44	8.3	2.7	3.5
24	22	e18	95	e21	23	43	1260	75	70	7.6	2.6	3.4
25	20	e19	82	e20	23	42	940	78	63	7.1	2.4	10
26	19	27	e72	e20	e22	40	607	66	51	6.7	2.2	8.5
27	17	51	e66	e19	e22	36	426	81	41	5.7	2.3	8.1
28	15	58	e60	e18	e22	34	338	175	33	5.2	2.6	7.5
29	14	58	e56	e18	---	32	273	217	29	4.8	2.7	6.9
30	14	55	e52	e19	---	34	227	169	26	4.6	2.5	6.0
31	14	---	e50	e20	---	38	---	125	---	4.1	2.5	---
TOTAL	523.3	878	2750	891	805	943	13048	2856	2404	521.5	134.9	112.1
MEAN	16.9	29.3	88.7	28.7	28.8	30.4	435	92.1	80.1	16.8	4.35	3.74
MAX	40	58	544	48	50	44	1470	217	229	41	11	10
MIN	5.2	12	18	18	21	20	36	29	26	4.1	2.2	2.1
CFSM	.33	.57	1.72	.56	.56	.59	8.43	1.79	1.55	.33	.08	.07
IN.	.38	.63	1.98	.64	.58	.68	9.41	2.06	1.73	.38	.10	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	42.0	67.0	73.8	83.5	48.3	130	273	104	49.4	21.5	23.5	12.6
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	7.06	29.3	28.2	22.1	17.8	30.4	64.7	25.4	5.21	2.79	1.04	3.02
(WY)	1995	2001	1998	1994	1992	2001	1995	1999	1999	1999	1999	1995

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

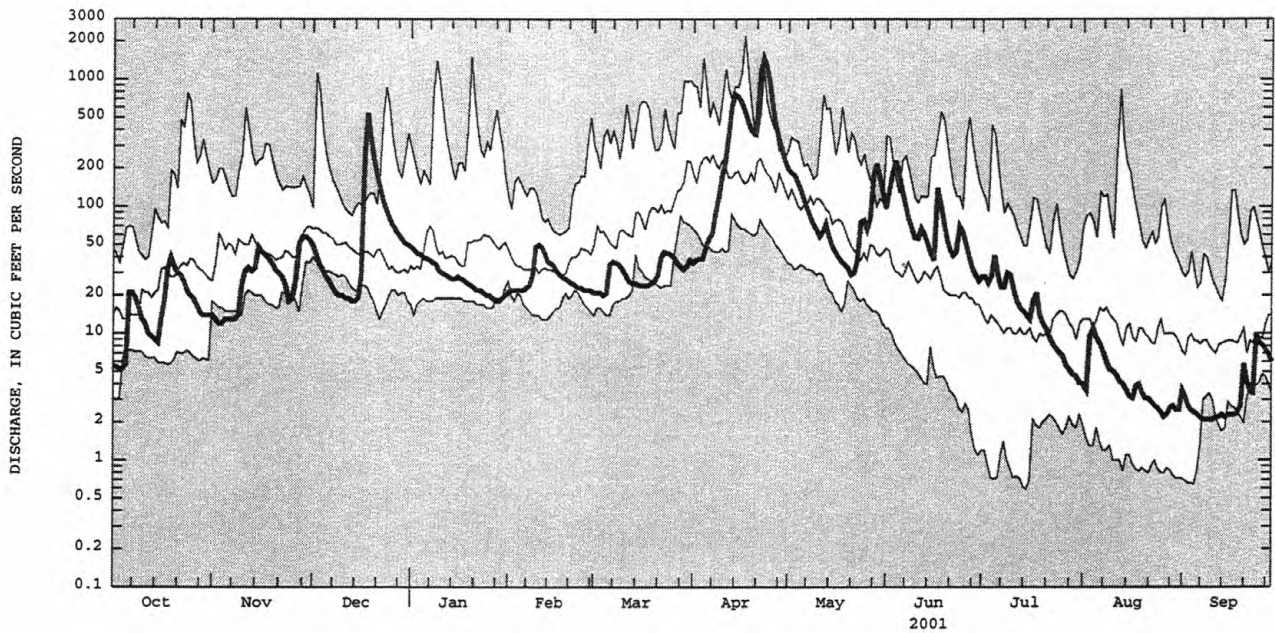
WATER YEARS 1990 - 2001

ANNUAL TOTAL	32074.3	25866.8	
ANNUAL MEAN	87.6	70.9	
HIGHEST ANNUAL MEAN			75.7
LOWEST ANNUAL MEAN			100
HIGHEST DAILY MEAN	708	Mar 29	1470
LOWEST DAILY MEAN	5.2	Oct 3	2.1
ANNUAL SEVEN-DAY MINIMUM	5.6	Sep 29	2.1
ANNUAL RUNOFF (CFSM)	1.70		1.37
ANNUAL RUNOFF (INCHES)	23.12		18.65
10 PERCENT EXCEEDS	240		147
50 PERCENT EXCEEDS	32		27
90 PERCENT EXCEEDS	9.7		3.6

e Estimated

ST. LAWRENCE RIVER BASIN

04276842 PUTNAM CREEK EAST OF CROWN POINT CENTER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

ST. LAWRENCE RIVER BASIN

479

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 mi² 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 sea level. 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 mi². 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, 4.19 ft, Apr. 24; minimum, 2.68 ft, Mar. 30, Apr. 7, 8.

**GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.27	3.16	3.30	3.34	2.91	2.79	2.81	3.86	3.73	3.71	3.51	3.24
2	3.26	3.17	3.27	3.30	2.91	2.79	2.79	3.84	3.77	3.70	3.52	3.24
3	3.26	3.19	3.30	3.28	2.92	2.79	2.77	3.83	3.79	3.68	3.52	3.26
4	3.24	3.19	3.30	3.24	2.92	2.79	2.75	3.78	3.86	3.67	3.54	3.22
5	3.22	3.18	3.28	3.21	2.92	2.85	2.73	3.74	3.83	3.67	3.53	3.13
6	3.30	3.16	3.23	3.18	2.94	2.99	2.73	3.76	3.78	3.64	3.55	3.17
7	3.33	3.15	3.20	3.16	2.92	2.99	2.73	3.78	3.75	3.64	3.54	3.17
8	3.31	3.16	3.15	3.13	2.88	2.99	2.79	3.77	3.71	3.65	3.53	3.16
9	3.26	3.16	3.16	3.11	2.89	2.97	2.83	3.75	3.71	3.65	3.54	3.15
10	3.28	3.21	3.18	3.07	2.92	2.98	2.90	3.75	3.72	3.64	3.54	3.16
11	3.28	3.23	3.16	3.06	2.91	2.96	3.01	3.75	3.75	3.66	3.48	3.11
12	3.26	3.20	3.24	3.00	2.89	2.91	3.14	3.74	3.85	3.65	3.49	3.11
13	3.26	3.25	3.17	3.01	2.87	2.94	3.35	3.69	3.85	3.64	3.47	3.07
14	3.26	3.27	3.19	3.02	2.86	2.94	3.50	3.72	3.83	3.61	3.41	3.01
15	3.18	3.30	3.19	3.01	2.83	2.91	3.60	3.70	3.82	3.59	3.42	3.02
16	3.24	3.30	3.17	3.04	2.83	2.86	3.69	3.73	3.80	3.59	3.43	3.03
17	3.27	3.31	3.38	3.00	2.84	2.83	3.74	3.75	3.81	3.62	3.45	3.01
18	3.31	3.27	3.74	3.01	2.83	2.81	3.79	3.76	3.80	3.60	3.43	2.98
19	3.34	3.26	3.71	2.99	2.83	2.78	3.82	3.73	3.80	3.61	3.40	2.97
20	3.36	3.27	3.73	2.96	2.83	2.76	3.82	3.73	3.71	3.61	3.39	2.99
21	3.34	3.27	3.69	2.98	2.83	2.73	3.84	3.75	3.68	3.63	3.41	3.07
22	3.28	3.25	3.67	2.99	2.81	2.82	3.94	3.74	3.69	3.62	3.39	3.09
23	3.32	3.23	3.63	2.98	2.82	2.87	4.03	3.77	3.67	3.61	3.38	3.07
24	3.32	3.22	3.58	2.96	2.80	2.88	4.10	3.82	3.71	3.63	3.26	3.07
25	3.29	3.23	3.56	2.94	2.85	2.85	4.08	3.83	3.72	3.56	3.31	3.15
26	3.31	3.23	3.52	2.94	2.87	2.82	4.07	3.80	3.69	3.52	3.35	3.19
27	3.31	3.31	3.47	2.93	2.84	2.80	4.03	3.80	3.68	3.55	3.29	3.14
28	3.21	3.31	3.43	2.93	2.81	2.77	3.96	3.83	3.61	3.54	3.29	3.08
29	3.23	3.31	3.39	2.93	---	2.73	3.93	3.85	3.63	3.54	3.24	3.06
30	3.18	3.30	3.34	2.92	---	2.76	3.90	3.80	3.67	3.52	3.27	3.06
31	3.14	---	3.39	2.91	---	2.84	---	3.76	---	3.51	3.28	---
MEAN	3.27	3.24	3.38	3.05	2.87	2.85	3.44	3.77	3.75	3.61	3.42	3.11
MAX	3.36	3.31	3.74	3.34	2.94	2.99	4.10	3.86	3.86	3.71	3.55	3.26
MIN	3.14	3.15	3.15	2.91	2.80	2.73	2.73	3.69	3.61	3.51	3.24	2.97

CAL YR 2000 MEAN 3.46 MAX 4.24 MIN 2.77
WTR YR 2001 MEAN 3.32 MAX 4.10 MIN 2.73

LOCATION.--Lat 43°37'18", long 73°25'08", Washington County, Hydrologic Unit 02010001, on U.S. Coast Guard navigation structure
PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (New York State Department of Environmental Conservation bench mark).
REMARKS.--Area of lake surface about 490 mi². Total volume below 92.5 ft elevation, reported by Lake Champlain Studies Center, 902.2 bil ft³. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 101.80 ft, Apr. 28, 2001, affected by seiche; minimum elevation, 93.33 ft, Sept. 13, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 101.80 ft, Apr. 28, affected by seiche; minimum elevation, 93.60 ft, Sept. 24.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.29	94.44	94.66	95.84	95.16	95.23	95.41	100.72	97.64	96.38	95.26	94.68
2	94.31	94.28	94.71	95.82	95.08	95.18	95.44	100.64	97.60	96.53	95.04	94.58
3	94.30	94.13	94.46	95.74	95.12	95.17	95.42	100.58	97.64	96.21	95.13	94.29
4	94.39	94.18	94.33	95.74	95.03	95.15	95.48	100.68	97.63	96.16	95.17	94.35
5	94.42	94.29	94.26	95.66	95.05	95.17	95.55	100.81	97.59	96.15	95.14	94.74
6	94.49	94.30	94.41	95.72	95.09	95.34	95.70	100.44	97.70	96.22	94.97	94.42
7	94.46	94.31	94.41	95.71	95.09	95.25	95.82	100.15	97.58	95.94	94.93	94.29
8	94.44	94.15	94.47	95.70	95.09	95.18	95.92	99.93	97.51	95.95	94.95	94.19
9	94.56	94.09	94.44	95.67	94.96	95.20	96.47	99.99	97.40	96.00	94.83	94.19
10	94.41	94.08	94.27	95.66	95.01	95.20	97.14	99.86	97.23	96.03	94.81	94.13
11	94.33	94.40	94.36	95.58	95.20	95.11	97.45	99.62	97.21	96.04	94.97	94.35
12	94.24	94.66	94.35	95.62	95.21	95.17	97.72	99.70	97.34	96.03	94.77	94.24
13	94.22	94.15	94.38	95.49	95.24	95.13	98.30	99.86	97.15	95.96	94.78	94.30
14	94.15	94.19	94.43	95.50	95.22	95.09	98.96	99.55	97.06	96.00	94.90	94.48
15	94.57	94.28	94.38	95.46	95.34	95.10	99.22	99.62	96.92	95.98	94.74	94.31
16	94.38	94.17	94.32	95.42	95.31	95.15	99.46	99.23	96.81	95.92	94.49	94.15
17	94.23	94.17	95.06	95.52	95.34	95.13	99.68	98.97	97.01	95.87	94.43	94.10
18	94.24	94.31	98.05	95.37	95.25	95.09	99.97	98.71	96.97	95.96	94.49	94.19
19	94.40	94.25	96.62	95.35	95.16	95.08	99.64	98.95	96.60	95.84	94.62	94.14
20	94.18	94.18	95.80	95.44	95.22	95.04	99.63	98.71	96.93	95.77	94.62	93.98
21	94.25	94.14	95.72	95.35	95.29	95.04	99.59	98.49	96.74	95.61	94.52	93.99
22	94.54	94.28	95.72	95.30	95.23	95.34	99.69	98.47	96.53	95.46	94.53	94.02
23	94.22	94.33	95.75	95.18	95.19	95.46	100.03	98.36	96.79	95.43	94.49	94.06
24	94.16	94.26	95.74	95.22	95.27	95.40	100.29	98.31	96.83	95.33	94.92	93.96
25	94.27	93.96	95.83	95.28	95.08	95.40	100.73	98.11	96.79	95.55	94.48	94.02
26	94.20	94.12	95.77	95.13	95.19	95.35	100.81	98.01	96.77	95.85	94.07	93.97
27	94.10	94.26	95.77	95.16	95.23	95.27	100.89	98.01	96.70	95.60	94.36	94.08
28	95.05	94.37	95.80	95.17	95.24	95.24	101.24	97.89	96.83	95.41	94.39	94.35
29	94.89	94.40	95.79	95.07	---	95.25	100.84	97.82	96.53	95.28	94.59	94.35
30	94.89	94.66	95.87	95.10	---	95.37	100.73	97.89	96.40	95.26	94.33	94.20
31	94.87	---	95.87	95.17	---	95.43	---	97.89	---	95.		

04280000 POULTNEY RIVER BELOW FAIR HAVEN, VT

LOCATION (REVISED).--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 mi².

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 sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by powerplant upstream and Lake Bomoseen.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft³/s, July 20, 1945, gage height, 24.36 ft, from high-water mark in well, from rating curve extended above 2,600 ft³/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 ft³/s, August 8, 1965, September 13, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	unknown	* 10,200	* 21.60	Apr. 14	0445	2,820	12.86

Minimum daily discharge, 9.2 ft³/s, August 15, 16, and September 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	111	159	e285	e158	e172	402	431	133	135	e28	16
2	35	106	156	e270	e210	e168	411	409	132	e165	e26	16
3	35	85	e153	e255	e193	e165	430	336	143	e150	24	15
4	35	70	e143	e240	e183	e160	445	279	240	e133	31	13
5	35	63	e132	e230	e180	e153	491	251	325	e153	34	13
6	35	62	e122	e220	e185	e150	580	234	323	e130	39	12
7	46	65	e115	e210	e187	e150	663	215	264	e110	40	12
8	53	65	e105	e205	e187	e155	879	203	221	e122	30	11
9	53	63	e98	e195	e188	e160	1270	193	192	e130	23	11
10	51	64	88	e187	e210	e163	1970	183	171	e107	23	11
11	47	75	83	e195	e270	240	2260	176	162	e122	23	13
12	44	81	87	e208	e290	280	2140	168	529	e135	23	15
13	41	82	103	e215	e303	239	2620	163	695	e125	23	12
14	40	81	104	e190	e293	213	2650	161	555	e110	15	11
15	38	93	99	e170	e278	203	2260	157	414	e95	9.2	11
16	37	119	93	e158	e260	201	1940	152	334	e89	9.2	10
17	42	121	e1260	e147	e250	205	1700	147	304	e96	9.3	9.7
18	54	113	e5450	e140	e235	208	1520	141	367	e87	11	9.5
19	72	102	e2000	e135	e225	210	1360	137	355	e74	14	9.2
20	86	92	e1200	e133	e218	222	1220	132	280	e67	16	9.4
21	87	86	e900	e135	e208	237	1080	128	227	e63	33	12
22	81	82	e700	e140	e198	286	957	124	199	e58	30	15
23	76	80	e560	e141	e190	425	932	121	182	e54	23	14
24	74	75	e480	e138	e185	507	832	120	175	e50	19	12
25	71	68	e435	e133	e178	563	717	118	179	e62	17	26
26	68	68	e400	e130	e180	573	613	117	173	e84	16	32
27	64	100	e380	e127	e177	509	530	118	163	e78	16	26
28	57	138	e350	e120	e175	441	470	127	153	e46	16	19
29	77	151	e335	e115	---	396	455	133	144	e41	15	17
30	94	156	e318	e112	---	372	445	136	137	e36	14	15
31	105	---	e305	e122	---	382	---	135	---	e32	14	---
TOTAL	1768	2717	16913	5401	5994	8508	34242	5645	7871	2939	663.7	427.8
MEAN	57.0	90.6	546	174	214	274	1141	182	262	94.8	21.4	14.3
MAX	105	156	5450	285	303	573	2650	431	695	165	40	32
MIN	35	62	83	112	158	150	402	117	132	32	9.2	9.2
CFSM	.30	.48	2.92	.93	1.14	1.47	6.10	.97	1.40	.51	.11	.08
IN.	.35	.54	3.36	1.07	1.19	1.69	6.81	1.12	1.57	.58	.13	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
MEAN	139	222	263	260	261	521	674	319	165	105	83.1	90.6
MAX	721	760	1018	897	800	1627	1441	902	776	639	629	666
(WY)	1978	1973	1984	1996	1984	1986	1977	1983	1947	1976	1976	1938
MIN	18.2	21.4	38.4	42.0	26.8	113	231	71.5	19.4	7.08	3.94	8.19
(WY)	1974	1965	1965	1931	1980	1940	1966	1941	1965	1965	1965	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1929 - 2001
ANNUAL TOTAL	129174	93089.5	
ANNUAL MEAN	353	255	258
HIGHEST ANNUAL MEAN			527
LOWEST ANNUAL MEAN			66.9
HIGHEST DAILY MEAN	5450	5450	7010
LOWEST DAILY MEAN	35	a 9.2	b 2.1
ANNUAL SEVEN-DAY MINIMUM	35	10	3.0
MAXIMUM PEAK FLOW		c 11000	c 14800
MAXIMUM PEAK STAGE		d 21.60	d 24.36
ANNUAL RUNOFF (CFSM)	1.89	1.36	1.38
ANNUAL RUNOFF (INCHES)	25.70	18.52	18.77
10 PERCENT EXCEEDS	734	497	613
50 PERCENT EXCEEDS	190	136	136
90 PERCENT EXCEEDS	59	16	28

a Also occurred on August 16 and September 19.

b Also occurred on September 13, 1977.

c From rating curve extended above 2,600 ft³/s as explained above.

d From high-water mark in well.

e Estimated.

ST. LAWRENCE RIVER BASIN

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 mi².

PERIOD OF RECORD.--March 1990 to current year.

REVISED RECORDS.--WDR NY-97-1: 1993, 1994(P), 1996.

GAGE.--Water-stage recorder. Elevation of gage is 320 ft above sea level, 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 ft³/s, Dec. 17, 2000, gage height, 13.47 ft, minimum discharge, 8.1 ft³/s, Sept. 6, 1999; minimum gage height, 2.81 ft, Sept. 7, 1995.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14, 1977, reached a discharge of about 14,500 ft³/s, on basis of runoff comparison of peak discharge from contracted-opening measurement at Grays Corners near Whitehall (drainage area 200 mi²). Flood of May 31, 1984, reached a discharge of about 5,400 ft³/s, on basis of slope-area measurement of peak flow 2.8 mi upstream at Middle Granville (drainage area 156 mi²).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	2230	*13,100	*13.47	Apr. 13	2300	2,940	7.40

Minimum discharge, 15 ft³/s, Sept. 18, 19, 20, gage height, 2.94 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	77	221	e200	e230	e190	399	327	153	159	42	48
2	41	74	195	e190	e200	e180	393	312	332	201	38	41
3	40	72	191	e180	e190	e160	418	301	459	138	48	32
4	38	71	e190	e170	e190	e150	473	281	547	125	74	28
5	42	81	e180	e160	e180	e140	617	271	410	152	50	28
6	83	111	e170	e150	182	e150	708	236	333	125	43	26
7	78	96	e170	e140	165	e150	777	207	277	106	39	24
8	60	90	e160	e130	160	e140	1470	188	235	115	36	21
9	54	91	e160	e130	162	e140	1960	175	202	120	33	19
10	53	146	e160	e120	380	e130	2340	163	177	102	44	18
11	49	183	e160	e120	364	e130	2110	151	308	104	43	20
12	48	151	e180	e120	315	e130	2330	152	1030	122	37	19
13	46	137	e170	e110	e300	e130	2660	223	521	105	34	17
14	44	140	e170	e110	e280	e140	2330	166	387	94	32	17
15	42	267	e170	e110	e270	e160	1850	148	314	94	29	18
16	75	212	e180	e110	e260	195	1510	136	264	86	26	16
17	122	189	e4000	e120	e240	186	1270	127	373	94	27	16
18	150	170	4860	e120	e230	183	1090	119	320	87	32	15
19	205	161	1720	e120	e220	179	888	116	250	75	28	15
20	156	156	1160	e120	e210	201	767	109	211	68	34	16
21	127	146	843	e120	e200	238	793	100	214	62	98	24
22	111	138	729	e130	e200	707	1180	99	253	57	52	27
23	100	127	584	e120	e200	725	1170	111	207	53	39	21
24	93	e120	546	e110	e200	592	1060	121	303	50	34	19
25	89	e130	536	e110	e200	537	860	120	244	51	30	47
26	84	132	e460	e110	e210	456	636	111	195	72	27	70
27	82	243	e340	e110	e200	397	529	233	167	71	25	42
28	78	235	e300	e110	e190	359	462	206	147	55	26	34
29	76	232	e260	e120	---	333	399	226	133	50	26	32
30	78	228	e240	e140	---	413	357	177	130	46	24	30
31	81	---	e220	e260	---	448	---	176	---	43	24	---
TOTAL	2467	4406	19625	4170	6328	8369	33806	5588	9096	2882	1174	800
MEAN	79.6	147	633	135	226	270	1127	180	303	93.0	37.9	26.7
MAX	205	267	4860	260	380	725	2660	327	1030	201	98	70
MIN	38	71	160	110	160	130	357	99	130	43	24	15
CFSM	.48	.88	3.79	.81	1.35	1.62	6.75	1.08	1.82	.56	.23	.16
IN.	.55	.98	4.37	.93	1.41	1.86	7.53	1.24	2.03	.64	.26	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

MEAN	113	220	331	383	258	484	641	342	166	129	99.6	61.2
MAX	308	455	735	801	461	673	1163	776	333	400	266	209
(WY)	1991	1991	1997	1998	2000	1998	1994	1996	1998	1996	2000	1999
MIN	37.9	64.7	104	135	116	243	238	135	54.1	24.5	20.0	16.8
(WY)	1998	1999	1999	2001	1992	1992	1995	1995	1999	1995	1999	1995

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

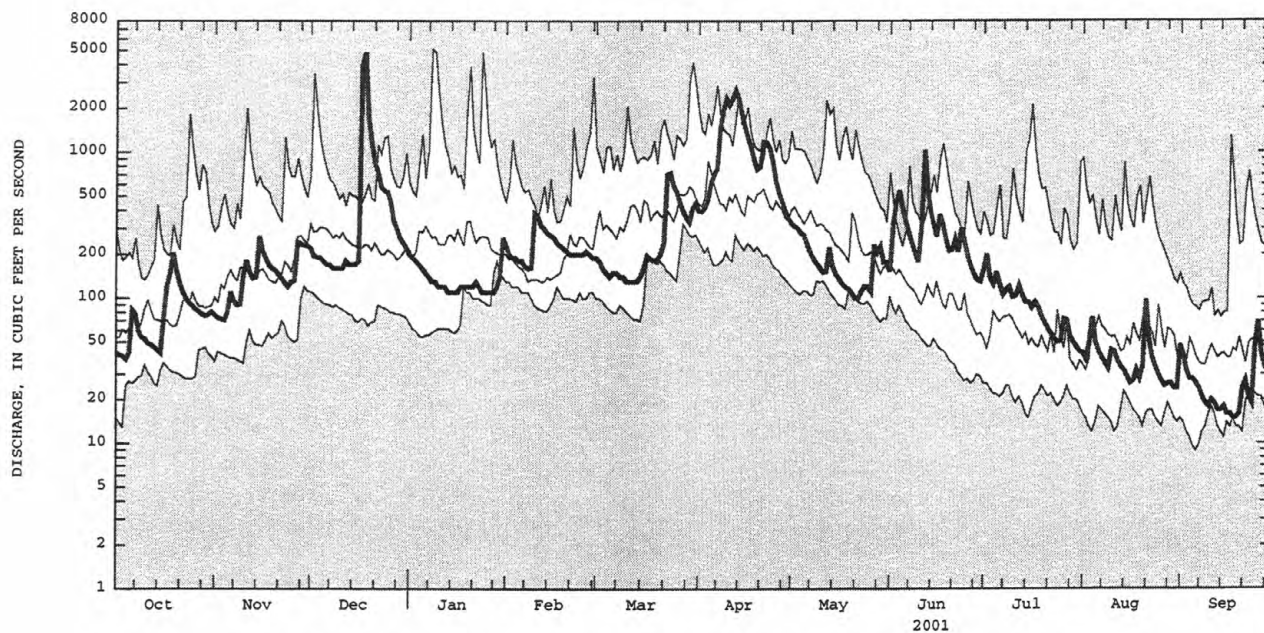
FOR 2001 WATER YEAR

WATER YEARS 1990 - 2001

ANNUAL TOTAL	136930	98711	
ANNUAL MEAN	374	270	
HIGHEST ANNUAL MEAN			266
LOWEST ANNUAL MEAN			357
HIGHEST DAILY MEAN	4860	4860	5080
LOWEST DAILY MEAN	38	15	8.9
ANNUAL SEVEN-DAY MINIMUM	42	16	11
ANNUAL RUNOFF (CFSM)	2.24	1.62	1.59
ANNUAL RUNOFF (INCHES)	30.50	21.99	21.62
10 PERCENT EXCEEDS	745	536	590
50 PERCENT EXCEEDS	250	150	161
90 PERCENT EXCEEDS	73	32	35

e Estimated

04280450 METTAWEE RIVER NEAR MIDDLE GRANVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

ST. LAWRENCE RIVER BASIN

04294500 LAKE CHAMPLAIN AT BURLINGTON, VT

LOCATION (REVISED).--Lat 44°28'52", long 73°13'27", Chittenden County, Hydrologic Unit 02010003, 50 ft south of Gulf Oil Co. dock, 0.1 mi north of Burlington Water Department pumping station, 0.5 mi north of railroad station, and 0.6 mi northwest of City Hall in Burlington.

PERIOD OF RECORD.--Gage heights: May 1907 to current year.

REVISED RECORDS.--WSP 684: 1912-29 (datum correction). WSP 1207: 1938 (datum correction).

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to Water Year 2000 datum of gage was 92.86 ft higher.

Prior to July 20, 1937, nonrecording gage at site 0.7 mi south, and July 20, 1937, to September 7, 1939, nonrecording gage at site 0.1 mi south, both at present datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 101.86 ft, April 27, 1993; minimum observed, 92.61 ft December 4, 1908.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 100.99 ft, April 27, affected by seiche; minimum, 94.15 ft, November 8, 10, 26, affected by seiche.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.59	94.26	94.62	95.91	95.20	95.25	95.41	100.78	97.73	96.53	95.35	94.64
2	94.58	94.24	94.63	95.90	95.17	95.23	95.42	100.72	97.68	96.48	95.29	94.68
3	94.55	94.23	94.60	95.87	95.18	95.22	95.43	100.67	97.68	96.44	95.28	94.63
4	94.55	94.22	94.56	95.86	95.15	95.19	95.45	100.63	97.67	96.38	95.27	94.58
5	94.55	94.22	94.55	95.82	95.14	95.19	95.49	100.55	97.64	96.34	95.23	94.60
6	94.57	94.21	94.55	95.82	95.16	95.32	95.59	100.45	97.61	96.29	95.17	94.60
7	94.56	94.22	94.55	95.81	95.14	95.30	95.70	100.31	97.57	96.24	95.12	94.56
8	94.55	94.22	94.53	95.78	95.13	95.26	95.82	100.16	97.51	96.19	95.11	94.52
9	94.55	94.21	94.51	95.76	95.11	95.25	96.19	100.05	97.44	96.15	95.08	94.50
10	94.54	94.21	94.44	95.73	95.14	95.24	96.67	99.92	97.35	96.17	95.02	94.48
11	94.51	94.27	94.44	95.68	95.21	95.20	97.13	99.78	97.27	96.18	95.01	94.47
12	94.49	94.30	94.46	95.68	95.26	95.19	97.55	99.69	97.23	96.15	94.99	94.46
13	94.47	94.30	94.46	95.63	95.30	95.19	98.10	99.64	97.17	96.13	94.92	94.42
14	94.46	94.30	94.49	95.60	95.33	95.18	98.65	99.54	97.11	96.10	94.90	94.39
15	94.46	94.37	94.48	95.56	95.38	95.17	99.04	e99.31	97.04	96.06	94.88	94.38
16	94.46	94.38	94.46	95.55	95.39	95.16	99.28	e99.26	97.00	96.03	94.80	94.33
17	94.43	94.37	94.55	95.54	95.40	95.14	99.46	e99.15	97.03	96.02	94.75	94.29
18	94.42	94.41	94.99	95.50	95.37	95.12	99.59	e99.06	96.99	95.97	94.75	94.28
19	94.46	94.40	95.44	95.47	95.34	95.10	99.65	e98.86	96.92	95.94	94.76	94.27
20	94.43	94.38	95.64	95.46	95.35	95.07	99.69	e98.77	96.86	95.90	94.74	94.22
21	94.42	94.38	95.72	95.43	95.35	95.06	99.72	e98.70	96.79	95.84	94.73	94.22
22	94.43	94.37	95.77	95.40	95.33	95.18	99.83	e98.57	96.71	95.76	94.70	94.23
23	94.41	94.37	95.81	95.35	95.31	95.26	100.14	98.45	96.76	95.71	94.67	94.23
24	94.38	94.34	95.84	95.32	95.30	95.29	100.43	98.36	96.81	95.68	94.65	94.20
25	94.39	94.26	95.86	95.31	95.25	95.31	100.73	98.26	96.82	95.66	94.65	94.23
26	94.36	94.25	95.85	95.26	95.28	95.32	100.88	98.14	96.80	95.61	94.53	94.25
27	94.33	94.37	95.85	95.25	95.28	95.31	100.93	98.06	96.74	95.59	94.56	94.24
28	94.34	94.45	95.86	95.23	95.26	95.31	100.94	97.99	96.69	95.53	94.59	94.24
29	94.33	94.53	95.87	95.19	---	95.31	100.91	97.93	96.61	95.46	94.60	94.23
30	94.33	94.59	95.89	95.19	---	95.35	100.84	97.87	96.56	95.41	94.57	94.21
31	94.29	---	95.94	95.20	---	95.41	---	97.79	---	95.39	94.53	---
MEAN	94.46	94.32	95.07	95.55	95.26	95.23	98.36	99.27	97.13	95.98	94.88	94.39
MAX	94.59	94.59	95.94	95.91	95.40	95.41	100.94	100.78	97.73	96.53	95.35	94.68
MIN	94.29	94.21	94.44	95.19	95.11	95.06	95.41	97.79	96.56	95.39	94.53	94.20

CAL YR 2000 MEAN 96.58 MAX 100.80 MIN 94.21

WTR YR 2001 MEAN 95.83 MAX 100.94 MIN 94.20

e Estimated

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 mi²

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 1870, elevations thereafter: those for 1871-1907 published in WSP 894). Gage heights prior to October 1, 1925, published as "Richelieu River at Fort Montgomery, Roues 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 Friers Rapids, Quebec," published in Water Survey of Canada annual reports.

GAGE.--Water-stage recorder. Datum of gage is sea level. 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 mi². Total volume below 92.5 ft elevation, reported by Lake Champlain Studies Center, 902.2 bil ft³. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 101.88 ft, Apr. 25, 1993; minimum elevation 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, 100.99 ft. Apr. 27; minimum, 93.90 ft. Oct. 28.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.72	94.20	94.53	95.87	95.18	95.23	95.38	100.74	97.75	96.58	95.34	94.62
2	94.68	94.20	94.55	95.87	95.18	95.20	95.38	100.69	97.77	96.44	95.38	94.64
3	94.61	94.21	94.66	95.89	95.14	95.18	95.41	100.65	97.68	96.54	95.29	94.81
4	94.57	94.18	94.72	95.85	95.15	95.16	95.45	100.54	97.68	96.49	95.22	94.71
5	94.50	94.13	94.71	95.89	95.13	95.15	95.50	100.45	97.63	96.42	95.21	94.59
6	94.51	94.13	94.52	95.80	95.14	95.23	95.57	100.40	97.58	96.31	95.25	94.61
7	94.51	94.16	94.53	95.78	95.13	95.26	95.67	100.33	97.55	96.32	95.18	94.63
8	94.51	94.18	94.48	95.75	95.11	95.25	95.97	100.22	97.48	96.27	95.14	94.67
9	94.47	94.20	94.46	95.71	95.19	95.22	96.17	100.02	97.41	96.22	95.15	94.62
10	94.48	94.28	94.56	95.71	95.14	95.22	96.63	99.89	97.35	96.20	95.13	94.65
11	94.47	94.16	94.43	95.67	95.17	95.21	97.10	99.77	97.29	96.17	95.00	94.49
12	94.54	94.19	94.43	95.63	95.25	95.17	97.61	99.62	97.22	96.14	95.04	94.49
13	94.51	94.33	94.45	95.63	95.28	95.20	98.08	99.56	97.17	96.11	94.98	94.42
14	94.53	94.35	94.45	95.57	95.33	95.21	98.57	99.47	97.11	96.07	94.89	94.35
15	94.36	94.33	94.48	95.56	95.35	95.15	98.97	99.31	97.07	96.04	94.88	94.34
16	94.41	94.46	94.53	95.53	95.37	95.13	99.22	99.26	97.02	96.03	94.97	94.36
17	94.46	94.43	94.60	95.49	95.36	95.11	99.39	99.15	97.04	95.99	94.97	94.34
18	94.53	94.37	94.95	95.52	95.40	95.09	99.49	99.06	96.98	95.94	94.80	94.28
19	94.41	94.42	95.38	95.45	95.42	95.07	99.62	98.86	97.09	95.92	94.72	94.26
20	94.56	94.48	95.57	95.40	95.36	95.06	99.67	98.77	96.88	95.89	94.72	94.41
21	94.45	94.40	95.71	95.39	95.30	95.06	99.71	98.70	96.88	95.90	94.74	94.31
22	94.38	94.34	95.76	95.37	95.31	95.09	99.82	98.57	96.89	95.90	94.73	94.27
23	94.44	94.29	95.78	95.37	95.32	95.22	100.10	98.44	96.76	95.83	94.71	94.24
24	94.44	94.31	95.81	95.32	95.27	95.29	100.44	98.35	96.83	95.79	94.57	94.30
25	94.37	94.51	95.78	95.27	95.37	95.29	100.66	98.29	96.84	95.64	94.61	94.26
26	94.37	94.34	95.81	95.30	95.26	95.31	100.87	98.20	96.81	95.50	94.90	94.24
27	94.40	94.32	95.80	95.23	95.25	95.32	100.86	98.07	96.76	95.48	94.61	94.25
28	94.07	94.43	95.83	95.20	95.24	95.31	100.83	98.01	96.64	95.49	94.62	94.17
29	94.09	94.50	95.85	95.19	---	95.30	100.86	97.94	96.68	95.49	94.56	94.14
30	94.10	94.50	95.82	95.16	---	95.29	100.82	97.81	96.63	95.45	94.63	94.15
31	94.16	---	95.86	95.16	---	95.35	---	97.72	---	9		

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 mi².

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 sea level.

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 ft³. 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 mi². Records provided by Oswegatchie River-Cranberry Reservoir Commission.

EXTREMES FOR PERIOD OF RECORD--Maximum contents observed, 2,985 mil ft³, May 13-15, 1971, gage height, 18.5 ft; minimum observed, 70 mil ft³, Apr. 1-4, 1956, gage height, 6.0 ft.

EXTREMES FOR CURRENT YEAR--Maximum contents observed, 2,530 mil ft³, May 25, gage height, 17.0 ft; minimum observed, 1,098 mil ft³, Apr. 7-9, gage height, 11.4 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 2000 TO SEPTEMBER 2001

Date	Gage height (feet) *	Contents (million ft ³)	Change in contents (equivalent in ft ³ /s)
04260990 Cranberry Lake			
Sept. 30	15.7	2,156	
Oct. 31	15.2	2,022	- 50.0
Nov. 30	15.3	2,048	+ 10.0
Dec. 31	14.9	1,944	- 38.8
CAL YR 2000	--	--	+ 3.29
Jan. 31	12.4	1,318	-234
Feb. 28	12.8	1,412	+ 38.9
Mar. 31	11.9	1,208	- 76.2
Apr. 30	16.9	2,500	+498
May 31	16.7	2,440	- 22.4
June 30	16.8	2,470	+ 11.6
July 31	16.0	2,240	- 85.9
Aug. 31	16.4	2,352	+ 41.8
Sept. 30	16.3	2,324	- 10.8
WTR YR 2001	--	--	+ 5.33

* 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 2001 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 sea level unless otherwise noted.

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (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. Datum of gage is 730 ft, from topographic map. Drainage area is 1.93 mi ² .	1976-2001	12-18-00	a2.9	167	4- 4-87	6.40	532
Hudson River basin								
Arbutus Pond Outlet near Newcomb, NY (01311992)	Lat 43°58'56", long 74°14'09", Essex County, Hydrologic Unit 02020001, on right bank at outlet of Arbutus Pond, 0.4 mi upstream from mouth at Fishing Brook, and 3.7 mi northwest of Newcomb. Datum of gage is 1,680 ft, from topographic map. Drainage area is 1.22 mi ² .	1991-92†,	4-24-92	1.91	R20	1- 9-98	2.37	R40
		1993-2001	4-17-93	2.06	R25			
			4-17-94	2.13	R28			
			1-17-95	1.59	R10			
			4-23-96	1.98	R22			
			11- 9-96	2.07	R26			
			1- 9-98	2.37	R40			
			4- 5-00	1.77	R15			
			4-24-01	2.08	26			
Hudson River near Newcomb, NY (01312000)	Lat 43°58'00", long 74°07'55", Essex County, Hydrologic Unit 02020001, on right bank 30 ft downstream from bridge on State Highway 28N, 0.5 mi downstream from outlet of Harris Lake, 2.0 mi east of Newcomb, and 4.0 mi upstream from Wolf Creek. Datum of gage is 1,550.38 ft. Drainage area is 192 mi ² .	1926-31, 1932-87†, 1988-2001	4-24-01	8.83	5,680	1- 9-98	12.84	11,500
Schroon River at Riverbank, NY (01317000)	Lat 43°36'34", long 73°44'17", Warren County, Hydrologic Unit 02020001, on right bank 30 ft upstream from highway bridge, and 11.8 mi down- stream from Schroon Lake, at Riverbank. Datum of gage is 699.31 ft. Drainage area is 527 mi ² .	1908-25, 1926-70†, 1987-2001	4-25-01	10.11	7,900	3-21-36	f12.18	12,100
Steele Brook at Shushan, NY (01329154)	Lat 43°05'35", long 73°19'38", Washington County, Hydrologic Unit 02020003, at bridge on county road, 0.8 mi east of Shushan, and 1.1 mi upstream from mouth. Datum of gage is 500 ft, from topographic map. Drainage area is 2.85 mi ² .	1979-2001	12-17-00	a5.6	a120	1-19-96	6.56	149

a About.

† Operated as a continuous-record gaging station.

R Revised.

f From floodmark.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
Hudson River basin--Continued								
Little Hoosic River at Petersburg, NY (01333500)	Lat 42°45'50", long 73°20'16", Rensselaer County, Hydrologic Unit 02020003, on left bank 100 ft downstream from highway bridge on dirt road, 1.0 mi downstream from Petersburg, and 4.9 mi upstream from mouth. Datum of gage is 587.40 ft. Drainage area is 56.1 mi ² .	1949, 1951-96†, 1997-2001	12-17-00	5.97	2,000	12-31-48	f9.4	7,470
Vly Brook near Morehouseville, NY (01342797)	Lat 43°23'34", long 74°49'59", Hamilton County, Hydrologic Unit 02020004, at culvert on State Highway 8, 0.6 mi up- stream from mouth, and 3.1 mi west of Morehouseville. Datum of gage is 1,580 ft, from topographic map. Drainage area is 3.28 mi ² .	1993-2001	12-17-00	9.47	142	10-21-95	af11.2	a320
North Creek near Ephratah, NY (01348420)	Lat 43°00'28", long 74°33'54", Fulton County, Hydrologic Unit 02020004, at culvert on town road, 0.4 mi upstream from mouth, 1.2 mi northwest of Ephratah. Datum of gage is 740 ft, from topographic map. Drainage area is 6.52 mi ² .	1975-2001	4- 8-01	5.79	219	6-29-82	8.95	540
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. Datum of gage is 90 ft, from topo- graphic map. Drainage area is 168 mi ² .	1980-83†, 1984, 1992-2001	4-13-01	9.00	4,650	9-17-99	f13.50	11,800
Kinderhook Creek at Rossman, NY (01361000)	Lat 42°19'50", long 73°44'40", Columbia County, Hydrologic Unit 02020006, on right bank 1.0 mi upstream from Claverack Creek, 2.25 mi downstream from Stuyvesant Falls, at Rossman. Datum of gage is 24.78 ft. Drainage area is 329 mi ² .	1906-14, 1928, 1929-68†, 1984, 1988-2001	12-17-00	a9.7	a10,000	12-31-48	f19.8	29,800
Catskill Creek at Oak Hill, NY (01361500)	Lat 42°24'16", long 74°09'07", Greene County, Hydrologic Unit 02020006, on right bank 150 ft downstream from high- way bridge in southernmost part of Oak Hill, and 250 ft downstream from small trib- utary. Datum of gage is 612.65 ft. Drainage area is 98.0 mi ² .	1911-28, 1929-77†, 1980, 1987-2001	12-17-00	11.56	7,690	4- 4-87	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. Datum of gage is 580 ft, from topographic map. Drainage area is 27.5 mi ² .	1958-60†, 1961-2001	12-17-00	4.71	802	6-30-73	9.78	3,280
Bushnellsville Creek at Shandaken, NY (01362197)	Lat 42°07'25", long 74°24'02", Ulster County, Hydrologic Unit 02020006, on right bank along State Highway 42, 0.4 mi upstream from Esopus Creek, and 0.6 mi northwest of Shandaken. Datum of gage is 1,160 ft, from topographic map. Drainage area is 11.4 mi ² .	1951, 1956, 1972-87, 1994-2001	12-17-00	7.95	290	10-15-55	f12.40	1,830

f From floodmark.

† Operated as a continuous-record gaging station.

a About.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum		Period of record maximum		Gage height (ft)	Dis- charge (ft ³ /s)
			Date	Gage height (ft)	Date	Gage height (ft)		
Hudson River basin--Continued								
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, 1993-2001	12-17-00	7.82	2,860	8-19-55	f12.38	8,490
Fishkill Creek at Hopewell Junction, NY (01372800)	Lat 41°34'22", long 73°48'25", Dutchess County, Hydrologic Unit 02020008, on right bank 400 ft upstream from bridge on State Highway 376, 0.6 mi south of State Highway 82, at Hopewell Junction. Datum of gage is 229.53 ft. Drainage area is 57.3 mi ² .	1958-75+, 1984, 1987-2001	3-31-01	6.29	836	12-21-73 1-20-96	9.19 b11.71	2,770 -
Peekskill Hollow Creek at Tompkins Corners, NY (01374250)	Lat 41°23'18", long 73°48'47", Putnam County, Hydrologic Unit 02030101, at bridge on Bryant Pond Road, 0.9 mi southwest of Tompkins Corners, and 1.1 mi downstream from Wiccopee Brook. Datum of gage is 302.29 ft. Drainage area is 14.9 mi ² .	1975-2001	3-30-01	3.37	393	9-16-99	6.01	2,000
Passaic River basin								
Torne Brook at Ramapo, NY (01387410)	Lat 41°08'34", long 74°09'44", Rockland County, Hydrologic Unit 02030103, 0.3 mi up- stream from mouth, and 0.5 mi east of Ramapo. Datum of gage is 328.46 ft. Drainage area is 2.60 mi ² .	1960-2001	12-18-00 3-22-01	b6.51 -	- a300	11- 8-77	11.02	1,520
Delaware River basin								
East Branch Neversink River at Denning, NY (01434010)	Lat 41°57'30", long 74°28'26", Ulster County, Hydrologic Unit 02040104, on downstream side of bridge on private road at Strauss Estate, 0.4 mi downstream from Riley Brook, 0.9 mi upstream from Erts Brook, and 1.0 mi northeast of Denning. Datum of gage is 2,010 ft, from topographic map. Drainage area is 13.3 mi ² .	1984-2001	12-17-00	5.03	2,750	4- 4-87	f6.39	4,460
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 up- stream from confluence with South Branch Grindstone Creek, and 4.1 mi southwest of Altmar. Datum of gage is 450 ft, from topographic map. Drainage area is 10.1 mi ² .	1976-2001	4-13-01	f12.10	391	3-13-77	15.03	482
North Branch Salmon River at Redfield, NY (04249200)	Lat 43°32'32", long 75°48'51", Oswego County, Hydrologic Unit 04140102, at bridge on Harvester Mill Road, 0.7 mi northeast of Redfield. Datum of gage is 950 ft, from topo- graphic map. Drainage area is 82.5 mi ² .	1962-64, 1985, 1987-2001	4-13-01	16.14	4,700	12-29-84	f19.15	13,600

f From floodmark.

+ Operated as a continuous-record gaging station.

b Ice jam.

a About.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
Streams tributary to Lake Ontario--Continued								
Sandy Creek near Adams, NY (04250750)	Lat 43°48'48", long 76°04'30", Jefferson County, Hydrologic Unit 04140102, on left bank 250 ft upstream from bridge on Liberty Street, 2.5 mi downstream from Adams, and 10.0 mi upstream from mouth. Datum of gage is 523.71 ft. Drainage area is 137 mi ² .	1958-95+, 1996-2001	4- 9-01	8.51	5,110	1-19-96	f11.06	7,700
Moose River at McKeever, NY (04254500)	Lat 43°36'37", long 75°06'39", Herkimer County, Hydrologic Unit 04150101, on left bank 0.5 mi west of McKeever, and 1.9 mi downstream from con- fluence 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, 1987-2001	6- 24-01	11.06	8,900	6- 3-47	f17.45	d18,700
Tributary to Mill Creek Tributary near Lowville, NY (04256040)	Lat 43°45'43", long 75°31'13", Lewis County, Hydrologic Unit 04150101, at culvert on West Road, 0.85 mi above mouth, and 2.0 mi southwest of Lowville. Datum of gage is 1,250 ft, from topographic map. Drainage area is 1.66 mi ² .	1976-86, 1993-2001	2-10-01 4-12-01	b11.84 11.32	- 164	3- 5-79 1-24-99	13.41 b13.58	312 a110
Deer River at Deer River, NY (04258700)	Lat 43°55'49", long 75°35'27", Lewis County, Hydrologic Unit 04150101, on left bank 350 ft upstream from bridge on State Highway 26, 2.0 mi upstream from mouth, at Deer River. Datum of gage is 762.36 ft. Drainage area is 94.8 mi ² .	1957-68+, 1969-2001	4-12-01	6.50	7,750	3- 6-79 12-29-84	b11.10 f10.63	- 17,200
St. Lawrence River basin								
Elm Creek near Hermon, NY (04265100)	Lat 44°26'15", long 75°12'49", St. Lawrence County, Hydro- logic Unit 04150304, at bridge 2.7 mi southeast of Hermon, and 6.8 mi upstream from con- fluence with Tanner Creek. Datum of gage is 539.41 ft. Drainage area is 32.6 mi ² .	1959-68+, 1969-2001	4-11-01	7.69	828	4- 6-74 1-24-99	9.07 b9.28	a1,270 a750
Plum Brook near Grantville, NY (04268200)	Lat 44°52'46", long 74°54'54", St. Lawrence County, Hydro- logic Unit 04150305, on right bank 430 ft upstream from bridge at junction of Brouse and Grant Roads, 1.0 mi up- stream 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+, 1964-2001	4- 9-01 4-13-01	b5.98 5.28	- 645	3-30-63 3-11-92	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. Datum of gage is 1,540 ft, from topographic map. Drainage area is 1.80 mi ² .	1995-2001	4-12-01 4-23-01	b19.07 18.82	- 17	6-27-98	21.91	44
Trout River at Trout River, NY (04270700)	Lat 44°59'23", long 74°17'56", Franklin County, Hydrologic Unit 04150307, on right bank at downstream side of bridge on county highway, 0.2 mi east of State Highway 30, and 3.3 mi downstream from Little Trout River, at Trout River. Datum of gage is 219.97 ft. Drainage area is 107 mi ² .	1960-66+, 1967-2001	4-10-01 4-13-01	b6.21 4.59	- 1,620	3-10-92 7- 5-96	b10.43 9.42	- 6,980

† Operated as a continuous-record gaging station.
 f From floodmark.
 d Dam failure.
 b Ice jam.
 a About.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
St. Lawrence River basin--Continued								
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+, 1983-2001	4-22-01	7.98	3,710	9-22-38	12.20	10,800
East Branch Ausable River at Au Sable Forks, NY (04275000)	Lat 44°26'20", long 73°40'55", Essex County, Hydrologic Unit 02010004, on left bank 700 ft upstream from bridge on Burt Street, and 0.5 mi upstream from confluence with West Branch, in Au Sable Forks. Datum of gage is 545.37 ft. Drainage area is 198 mi ² .	1925-95+, 1996-2001	12-17-00 4-22-01	b7.92 7.86	- 6,960	11- 9-96	15.22	23,900

† Operated as a continuous-record gaging station.

b Ice jam.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 2001

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Bronx River basin						
01301850 Bear Gutter Creek	Kensico Reservoir	Lat 41°06'50", long 73°43'26", Westchester County, Hydrologic Unit 02030102, at culvert on Route 22, 0.3 mi upstream from mouth, and 1.2 mi west of Armonk.	0.58	2000	7- 9-01	*0.53
410714073431401 Bear Gutter Creek	Kensico Reservoir	Lat 41°07'14", long 73°43'14", Westchester County, Hydrologic Unit 02030101, at culvert on George Smith Place, 0.8 mi upstream from mouth, and 0.8 mi south of Armonk.	0.20		7- 9-01	*0.03
Hudson River basin						
01358365 Poesten Kill	Hudson River	Lat 42°41'27", long 73°33'50", Rensselaer County, Hydrologic Unit 02020006, 100 ft upstream from bridge on State Route 351, at Poestenkill Town Hall.	37.5		8-30-01	*0.43
01358370 Poesten Kill	Hudson River	Lat 42°41'50", long 73°35'09", Rensselaer County, Hydrologic Unit 02020006, about 300 ft downstream from the north end of Flint Drive, in Poestenkill.	38.3		8-30-01	*0.31
01358375 Poesten Kill	Hudson River	Lat 42°41'53", long 73°35'32", Rensselaer County, Hydrologic Unit 02020006, 100 ft upstream from the north end of Empire Drive, in Poestenkill.	38.9		8-30-01	*0.16
01359065 Wynants Kill	Hudson River	Lat 42°37'59", long 73°33'11", Rensselaer County, Hydrologic Unit 02020006, 70 ft downstream from bridge on Johnnycake Lake, in Averill Park.	9.49		8-22-01 8-22-01 8-22-01 8-23-01 8-23-01 8-28-01 8-31-01 9- 8-01 9- 8-01	*0.47 * .50 * .49 * .41 * .44 * .35 * .26 * .33 * .38
01359068 Wynants Kill	Hudson River	Lat 42°37'38", long 73°33'42", Rensselaer County, Hydrologic Unit 02020006, in channel reach on bedrock about 150 ft downstream from bridge near the junction of Burden Lake Road and Olmstead Road, in Averill Park.	9.6		8-22-01 8-22-01 8-22-01 8-23-01 8-23-01 8-23-01 8-28-01 8-31-01 9- 8-01 9- 8-01	*0.49 * .46 * .39 * .44 * .43 * .42 * .34 * .28 * .38 * .37
01372000 Wallkill River	Rondout Creek	Lat 41°44'50", long 74°05'25", Ulster County, Hydrologic Unit 02020007, on downstream side of Route 299 bridge, in New Paltz.	721	1901-04†, 1938, 1999-00	12-19-00 3-14-01	7,370 3,910
01374490 East Branch Croton River	East Branch Croton Reservoir	Lat 41°30'48", long 73°35'53", Putnam County, Hydrologic Unit 02030101, 0.1 mi downstream from bridge on Route 311, 0.5 mi east of Patterson, and 1.0 mi north of confluence with Stephens Brook.	17.6		7- 9-01	a*15
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	7- 9-01	*2.24
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	7- 9-01	*2.57
01374657 Middle Branch Tributary	Middle Branch Reservoir	Lat 41°24'50", long 73°39'26", Putnam County, Hydrologic Unit 02030101, at culvert on U.S. Highway 6, 0.5 mi west of County Route 57, about 1.5 mi southeast of Carmel.	0.68	2000	7-10-01	*0.38

* Base flow.

† Operated as a continuous-record gaging station.

a About.

Discharge measurements made at miscellaneous sites during water year 2001--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Hudson River basin--Continued						
01374670 Michael Brook	Croton Falls Reservoir	Lat 41°25'43", long 73°40'20", Putnam County, Hydrologic Unit 02030101, at culvert on Fair Street (County Route 60), 0.4 mi east of Carmel.	1.73	1977, 2000	7-10-01	*0.82
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	7-10-01	*2.30
01374848 Lake Lincolndale Tributary	Lake Lincolndale	Lat 41°21'04", long 73°43'21", Putnam County, Hydrologic Unit 02030101, at culvert at foot of Brookside Drive, about 0.6 mi up- stream from mouth, and 2.0 mi east of Baldwin Place.	0.07	2000	7-10-01	*0.03
01374860 Plum Brook	Muscoot Reservoir	Lat 41°19'20", long 73°42'39", Westchester County, Hydrologic Unit 02030101, at bridge on Brick Hill Road, 1.4 mi upstream from Muscoot Reservoir, in Lincolndale.	5.81	1976, 2000	7-10-01	*4.05
01374908 Stone Hill River	Muscoot Reservoir	Lat 41°12'57", long 73°37'57", Westchester County, Hydrologic Unit 02030101, at bridge on State Highway 121 (Old Post Road), 1.0 mi northeast of State Highway 22 (Cantitoe Street), and 1.0 mi northeast of Bedford.	7.55	1976-77	7-10-01	4.02
01374911 Stone Hill River	Muscoot Reservoir	Lat 41°13'38", long 73°41'52", Westchester County, Hydrologic Unit 02030101, 0.02 mi downstream from bridge on Route 22, about 0.1 mi down- stream from confluence with Stone Hill River tributary, at Bedford Center.	8.96		7-10-01	*6.28
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		7-10-01	*3.42
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	7-10-01	*9.08
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.	5.30	1976, 2000	7-10-01	*3.90
01374920 Stone Hill River Tributary	Stone Hill River	Lat 41°14'11", long 73°42'14", Westchester County, Hydrologic Unit 02030101, at culvert on Bedford Road, about 0.1 mi downstream from Lake Marie.	0.33		7-11-01	*0.79
0137492010 Stone Hill River Tributary	Stone Hill River	Lat 41°14'29", long 73°41'52", Westchester County, Hydrologic Unit 02030101, at culvert on Park Avenue, 1.5 mi upstream from mouth, behind Bedford Town Hall.	0.16		7-11-01	*0.97
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 inter- section of Railroad Avenue and Harris Road, 0.2 mi east of Bedford Hills.	1.21	2000	3-22-01 4-30-01 5-14-01 5-22-01 5-23-01 6- 2-01 6-13-01 6-18-01 7-11-01 8-15-01 8-15-01 9-25-01	5.71 2.45 *1.55 6.25 3.59 5.68 *1.45 9.67 2.22 *1.15 *1.21 2.03

* Base flow.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 2001--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	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	7-12-01	*2.34
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		7-12-01	*4.29
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		7-12-01	*2.15
01374985 Kisco River	New Croton Reservoir	Lat 41°12'29", long 73°44'26", Westchester County, Hydrologic Unit 02030101, at bridge on West Main Street, in Mt. Kisco.	15.3	1974, 2000	7-12-01	*14.4
01374986 Kisco River	New Croton Reservoir	Lat 41°13'11", long 73°44'48", Westchester County, Hydrologic Unit 02030101, at bridge on Cross River Road, 0.6 mi upstream from mouth, and 1.0 mi northwest of Mount Kisco.	16.4		7-12-01	*16.2
01374991 Hunter Brook	New Croton Reservoir	Lat 41°18'34", long 73°49'03", Westchester County, Hydrologic Unit 02030101, at culvert on Strang Boule- vard, 2.5 mi upstream from Mill Pond, and 3.3 mi north of Yorktown.	0.84		7-10-01	*0.03
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	7-10-01	*2.11
Delaware River basin						
01413070 East Branch Delaware River	Pepacton Reservoir	Lat 42°19'39", long 74°33'08", Delaware County, Hydrologic Unit 02040102, at culvert on Schuman Road, 1.9 mi upstream from confluence with Montgomery Hollow, at More Settlement.	5.50		7-10-01 8- 7-01	*1.50 * .21
01413085 Montgomery Hollow Brook	East Branch Delaware River	Lat 42°18'00", long 74°33'02", Delaware County, Hydrologic Unit 02040102, below bridge on Montgomery Hollow Road at intersection with North Montgomery Hollow Road, 0.2 mi upstream from mouth, and 1.2 mi north of Roxbury.	3.67		12- 4-00 7-19-01 7-19-01	*1.90 * .51 * .56
01413092 East Branch Delaware River	Pepacton Reservoir	Lat 42°16'05", long 74°35'01", Delaware County, Hydrologic Unit 02040102, at bridge on Briggs Road, 1.6 mi south of Roxbury.	23.8		7-10-01 8- 7-01	*9.51 *3.46
0141309730 Batavia Kill Tributary	Batavia Kill	Lat 42°15'19", long 74°31'48", Delaware County, Hydrologic Unit 02040102, at culvert on County Route 36 near Autumn Breeze Road, 0.1 mi upstream from mouth, at Vega.	1.67		12- 4-00 7-19-01	*0.85 * .16
0141309740 Batavia Kill	East Branch Delaware River	Lat 42°15'10", long 74°31'54", Delaware County, Hydrologic Unit 02040102, along County Route 36, 0.2 mi downstream from confluence with Batavia Kill tributary, and 0.2 mi south of Vega.	9.03		12- 4-00 7-16-01 7-19-01 8- 7-01	*9.74 *2.42 *2.46 * .94

* Base flow.

Discharge measurements made at miscellaneous sites during water year 2001--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Delaware River basin--Continued						
01413098 Batavia Kill	East Branch Delaware River	Lat 42°13'34", long 74°33'56", Delaware County, Hydrologic Unit 02040102, at bridge on County Route 8, 0.9 mi north of Denver, and 4.0 mi upstream from mouth.	14.2		7-16-01 8- 7-01	*3.24 *1.84
01413099 Batavia Kill	East Branch Delaware River	Lat 42°10'55", long 74°35'30", Delaware County, Hydrologic Unit 02040102, at downstream side of bridge on County Route 36, 0.3 mi east of Kelly Corners, and 0.5 mi upstream from confluence with East Branch Delaware River.	19.0		7-16-01 8- 7-01	*4.79 *2.53
01413274 Rider Hollow Brook	Dry Brook	Lat 42°05'56", long 74°30'47", Ulster County, Hydrologic Unit 02040102, at end of Rider Hollow Road at New York State Dept. of Environmen- tal Conservation Trail Head parking area, 2.0 mi upstream from confluence with Todd Brook, and 2.5 mi east of Mapledale.	1.68		7-20-01	*0.58
01413276 Rider Hollow Brook	Dry Brook	Lat 42°06'29", long 74°32'14", Ulster County, Hydrologic Unit 02040102, at culvert on Rider Hollow Road, 1.0 mi upstream from confluence with Todd Brook, and 1.4 mi east of Mapledale.	4.07		12- 7-00 7-20-01	*4.93 *1.50
01413303 Vly Creek	Bush Kill	Lat 42°13'55", long 74°28'24", Greene County, Hydrologic Unit 02040102, at culvert on County Route 3 and Johnson Hollow Road, 2.5 mi up- stream from confluence with Elk Creek, and 3.5 mi north of Halcott Center.	3.25		12- 7-00 7-20-01	*3.28 * .71
01413306 Vly Creek	Bush Kill	Lat 42°11'38", long 74°28'36", Greene County, Hydrologic Unit 02040102, at bridge on Elk Creek Road off County Route 3, 0.1 mi upstream from confluence with Elk Creek, and 0.9 mi east of Halcott Center.	10.2		12- 4-00 7-19-01	*14.8 *2.05
01413343 Little Red Kill	Bush Kill	Lat 42°10'58", long 74°32'08", Delaware County, Hydrologic Unit 02040102, at culvert on Streeter Hill Road, 1.9 mi upstream from mouth, and 1.9 mi north of Fleischmanns.	0.70		7-19-01	*0.02
01413346 Red Kill	Bush Kill	Lat 42°11'35", long 74°32'49", Delaware County, Hydrologic Unit 02040102, at bridge on Little Red Kill Road, 2.3 mi upstream from con- fluence with Bush Kill, and 2.5 mi north of Fleischmanns.	5.53		12- 4-00 7-19-01	*4.14 *1.11
01413920 Winter Hollow Brook	Platte Kill	Lat 42°12'54", long 74°40'52", Delaware County, Hydrologic Unit 02040102, at culvert on Thompson Hollow Road off County Route 6, 0.3 mi upstream from confluence with Sanford Hollow Brook, at New Kingston.	3.46		12- 7-00 7-19-01	*2.69 * .21
01413930 Sanford Hollow Brook	Platte Kill	Lat 42°12'40", long 74°40'53", Delaware County, Hydrologic Unit 02040102, at culvert on County Route 6, 0.1 mi upstream from mouth, at New Kingston.	2.50		12- 6-00 7-19-01	*2.52 * .25
01413936 Platte Kill	Pepacton Reservoir	Lat 42°12'23", long 74°40'43", Delaware County, Hydrologic Unit 02040102, at culvert on County Route 6 at Dave Taylor Road, 6.0 mi up- stream from mouth, at New Kingston.	15.8		7-10-01 8- 8-01	*3.23 *1.42
01413945 Platte Kill	Pepacton Reservoir	Lat 42°10'01", long 74°41'00", Delaware County, Hydrologic Unit 02040102, at bridge on Weaver Hollow Road, 2.8 mi south of New Kingston, and 3.0 mi upstream from mouth.	20.0		7-10-01 8- 8-01	*4.48 *2.03

* Base flow.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 2001--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Delaware River basin--Continued						
01413950 Weaver Hollow Brook	Platte Kill	Lat 42°11'18", long 74°41'56", Delaware County, Hydrologic Unit 02040102, at bridge on Weaver Hollow Road, 1.9 mi upstream from mouth, and 1.9 mi southwest of New Kingston.	3.13		12- 6-00 7-19-01	*2.82 * .39
01413990 Bryants Brook	Platte Kill	Lat 42°10'05", long 74°42'27", Delaware County, Hydrologic Unit 02040102, at culvert on Route 28 at first crossing of brook, 1.5 mi north of confluence with Platte Kill, and 2.5 mi north of Dunraven.	4.39		12- 6-00 7-19-01	*4.01 * .70
01414280 Mill Brook	East Branch Delaware River	Lat 42°03'53", long 74°35'15", Delaware County, Hydrologic Unit 02040102, along Mill Brook Road across road from trail head marker, 1.3 mi east of Belle Ayr, and 1.4 mi upstream from confluence with Clark Hollow Brook.	1.41		7-20-01	*0.59
01414290 Mill Brook Tributary	Mill Brook	Lat 42°04'45", long 74°37'31", Ulster County, Hydrologic Unit 02040102, at culvert at intersection with Ploutz Road, 0.1 mi upstream from mouth, and 1.0 mi west of Belle Ayr.	1.96		12- 7-00 7-20-01	*2.01 *1.00
01414310 Mill Brook	Pepacton Reservoir	Lat 42°04'48", long 74°37'44", Ulster County, Hydrologic Unit 02040102, on downstream side of bridge on Mill Brook Road, 1.2 mi downstream from confluence with Clark Hollow Brook, and 1.3 mi west of Belle Ayr.	9.48		7-17-01 8- 8-01	4.93 *2.65
01414340 Mill Brook	Pepacton Reservoir	Lat 42°05'02", long 74°40'47", Delaware County, Hydrologic Unit 02040102, at bridge on Kittle Road, 3.9 mi upstream from mouth, at Grant Mills.	17.5		7-17-01 8- 8-01	8.34 *4.67
01414349 Cross Mountain Tributary	Mill Brook	Lat 42°05'35", long 74°42'36", Delaware County, Hydrologic Unit 02040102, off Cross Mountain Road, 0.1 mi from intersection with Old Cross Mountain Road, at mouth, near Grant Mills.	2.62		7-17-01 8- 8-01	*0.66 * .53
01414835 Gladstone Hollow Brook	Tremper Kill	Lat 42°12'48", long 74°46'12", Delaware County, Hydrologic Unit 02040102, at culvert on Hyzer Hill Road, 1.2 mi upstream from next trib- utary, and 1.9 mi north of Andes.	2.55		12- 6-00 7-19-01	*1.31 * .18
01414840 Gladstone Hollow Brook	Tremper Kill	Lat 42°11'34", long 74°46'28", Delaware County, Hydrologic Unit 02040102, at bridge on Route 28, 1.7 mi upstream from confluence with Campbell Hollow Brook, at Andes.	5.79		12- 6-00 7-19-01	*4.11 *1.37
01414860 Campbell Hollow Brook	Tremper Kill	Lat 42°10'13", long 74°47'22", Delaware County, Hydrologic Unit 02040102, 150 ft upstream of culvert on County Route 1, north of Upper Dingle Hill Road, 0.1 mi upstream from mouth, and 1.2 mi south of Andes.	0.90		12- 4-00 12- 6-00 7-19-01	*0.45 * .46 * .09
01414865 Tremper Kill	Pepacton Reservoir	Lat 42°09'24", long 74°47'58", Delaware County, Hydrologic Unit 02040102, at bridge on State Hollow Road, 2.9 mi upstream from mouth, and 2.2 mi south of Andes.	24.4		7-16-01 8- 7-01	*4.71 *1.94
01414868 Wolf Hollow Brook	Tremper Kill	Lat 42°08'14", long 74°48'13", Delaware County, Hydrologic Unit 02040102, 0.02 mi upstream from mouth, and 3.6 mi south of Andes.	3.06		7-16-01	*0.34

* Base flow.

Discharge measurements made at miscellaneous sites during water year 2001--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Delaware River basin--Continued						
01414875 Bussey Hollow Brook	Tremper Kill	Lat 42°07'17", long 74°48'58", Delaware County, Hydrologic Unit 02040102, 0.02 mi upstream from mouth, and 4.8 mi south of Andes.	2.43		7-16-01	*0.22
01415438 Terry Clove Kill	Pepacton Reservoir	Lat 42°10'20", long 74°54'32", Delaware County, Hydrologic Unit 02040102, 0.2 mi downstream from culvert on West Terry Clove Road, 1.3 mi east of Hamden, and 3.7 mi upstream from mouth.	4.86		7-13-01 8- 7-01	*0.41 * .12
01415465 Terry Clove Kill	Pepacton Reservoir	Lat 42°08'27", long 74°54'13", Delaware County, Hydrologic Unit 02040102, at upstream side of bridge on Terry Clove Road, 1.5 mi upstream from mouth, and 4.2 mi southeast of Hamden.	8.64		7-13-01 8- 7-01	*1.6 * .73
01416870 Cat Hollow Brook	Pepacton Reservoir	Lat 42°03'60", long 74°56'37", Delaware County, Hydrologic Unit 02040102, along County Route 7, 0.2 mi upstream from mouth, and 2.8 mi southeast of Downsview.	3.76		12- 7-00 7-19-01	*3.52 * .51
01416895 Pepacton Reservoir Tributary	Pepacton Reservoir	Lat 42°05'01", long 74°57'47", Delaware County, Hydrologic Unit 02040102, at culvert at west end of reservoir on New York City Road 1, 0.6 mi upstream from dam, and 1.6 mi east of Downsview.	0.38		7-19-01	*0.01
01421200 Cadosia Creek	East Branch Delaware River	Lat 41°58'03", long 75°15'51", Delaware County, Hydrologic Unit 02040102, at bridge on State Highway 236, 0.3 mi upstream from mouth, at Cadosia.	17.9	1949-50, 1955, 1957-71, 1973-00	5- 9-01 6- 7-01 6- 8-01 7-13-01 8- 2-01	*9.14 22.2 18.0 *3.74 *1.51
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 down- stream from Bone Creek, 0.3 mi up- stream from mouth, 0.1 mi upstream from Mill Street bridge, in Deposit.	67.6	1941-73†, 1975-76, 1979-00	5- 9-01 6- 7-01 7-13-01 8- 2-01	*17.7 30.9 *10.0 *4.40
01428000 Tenmile River	Delaware River	Lat 41°33'51", long 75°00'56", Sullivan County, Hydrologic Unit 02040101, on left bank, 0.5 mi downstream from East Branch Tenmile River, 0.8 mi upstream from mouth, and 0.6 mi northeast of Tusten.	45.6	1946-73†, 1978-00	5- 8-01 8-24-01	*17.6 *4.58
01432180 Halfway Brook	Delaware River	Lat 41°28'38", long 74°54'39", Sullivan County, Hydrologic Unit 02040104, about 50 ft upstream from bridge at intersection of State Routes 55 and 97, in Barryville.	28.3		5- 9-01 8-22-01	17.5 1.46
01438000 Neversink River	Delaware River	Lat 41°21'40", long 74°41'07", Orange County, Hydrologic Unit 02040104, at Tristates Bridge on East Main Street (U.S. Highway 6), 0.1 mi upstream from Clove Brook, and 0.6 mi upstream from mouth, in Port Jervis.	336	1902-03, 1943-45, 1960-62, 1964-00	5-17-01 7-31-01	179 108
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	1909-00	11- 1-00 2- 5-01 3-26-01 3-29-01 5-23-01 7- 5-01	242 724 218 350 745 748

* Base flow.

† Operated as a continuous-record gaging station.

GROUND-WATER LEVELS

ALBANY COUNTY

424114073495402. Local number, A 636.

LOCATION.--Lat 42°41'14", long 73°49'54", Hydrologic Unit 02020006, Fuller Road, Albany.

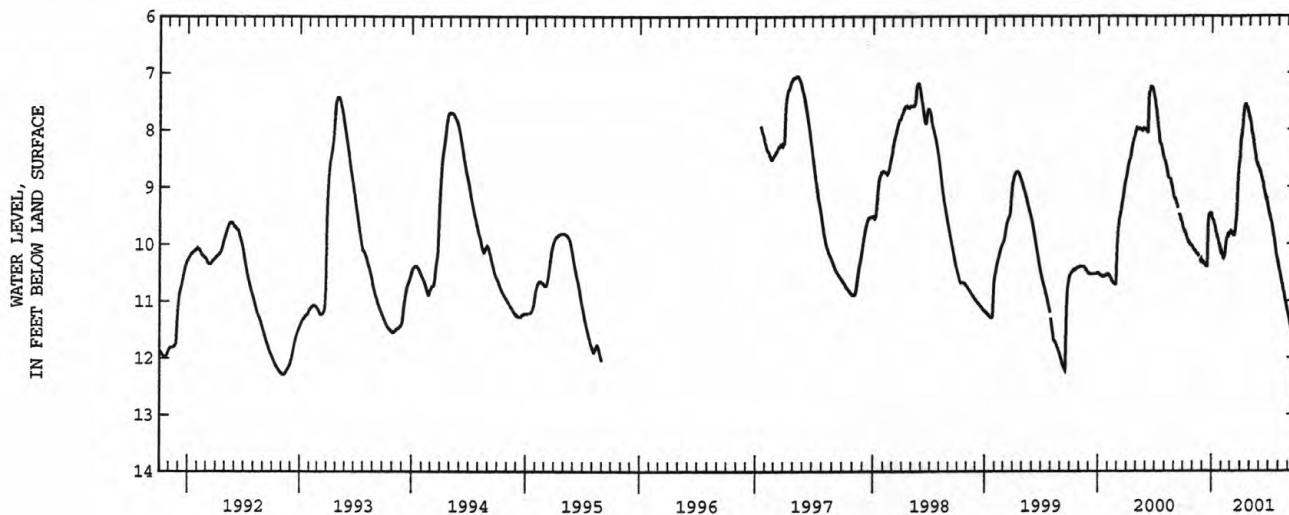
Owner: State University of New York at Albany.

AQUIFER.--Water-table aquifer in sand of Pleistocene age.**WELL CHARACTERISTICS.**--Drilled observation well, diameter 6 in., depth 20.8 ft in May 2000, filled in from original depth of 24 ft, cased to 22 ft, 2-in. jet point (60-gauze screen 22 ft to 24 ft). Well gravel packed from original depth of 26 ft.**INSTRUMENTATION.**--Water-stage recorder--hourly.**DATUM.**--Elevation of land-surface datum is 260 ft above sea level, from topographic map.

Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well was drilled May 1974 as a replacement for 424114073495401 (local number A 635), located 35 ft north, which had a period of record from November 1965 to May 1974 (unpublished).**PERIOD OF RECORD.**--May 1974 to August 1995, January 1997 to 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, 6.12 ft below land-surface datum, Apr. 12, 13, 1978, June 5, 6-7, 8, 1984; lowest, 13.13 ft below land-surface datum, Oct. 29, Nov. 25, 26-Dec. 17, 18, 20, 21-22, 23, 1981.**EXTREMES FOR CURRENT YEAR.**--Highest water level, 7.55 ft below land-surface datum, Apr. 15, 16-17, 18; lowest, 11.81 ft below land-surface datum, Sept. 30.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.72	10.06	10.31	9.52	10.16	9.78	8.25	7.80	8.74	9.42	10.37	11.23
2	9.73	10.08	10.33	9.55	10.18	9.77	8.19	7.82	8.74	9.45	10.40	11.25
3	9.75	10.08	10.33	9.56	10.18	9.78	8.15	7.87	8.73	9.48	10.43	11.27
4	9.77	10.08	10.33	9.56	10.21	9.79	8.11	7.90	8.75	9.48	10.45	11.30
5	9.78	10.09	10.32	9.57	10.20	9.79	8.06	7.95	8.78	9.50	10.47	11.33
6	9.76	10.11	10.33	9.58	10.19	9.77	8.00	8.01	8.80	9.53	10.51	11.36
7	9.79	10.12	10.33	9.62	10.22	9.80	7.98	8.05	8.82	9.57	10.54	11.39
8	9.82	10.12	10.35	9.64	10.24	9.83	7.92	8.06	8.84	9.59	10.57	11.42
9	9.84	10.13	10.36	9.65	10.23	9.83	7.82	8.08	8.87	9.60	10.60	11.44
10	9.84	10.13	10.37	9.68	10.19	9.83	7.76	8.11	8.89	9.63	10.63	11.47
11	9.86	10.15	10.37	9.70	10.19	9.84	7.71	8.15	8.91	9.66	10.66	11.49
12	9.89	10.16	10.35	9.74	10.14	9.86	7.65	8.18	8.91	9.70	10.69	11.52
13	9.90	10.16	10.39	9.78	10.06	9.83	7.60	8.24	8.95	9.74	10.69	11.54
14	9.92	10.16	10.39	9.80	10.01	9.80	7.59	8.29	9.00	9.77	10.73	11.56
15	9.94	10.17	10.39	9.81	9.95	9.78	7.56	8.31	9.03	9.80	10.77	11.58
16	9.96	10.18	10.41	9.82	9.93	9.72	7.55	8.35	9.05	9.85	10.80	11.60
17	9.97	10.18	10.34	9.86	9.88	9.65	7.55	8.39	9.07	9.87	10.83	11.62
18	9.97	10.20	10.04	9.88	9.88	9.59	7.55	8.42	9.10	9.89	10.84	11.64
19	9.96	10.21	9.75	9.89	9.86	9.54	7.59	8.44	9.12	9.94	10.87	11.66
20	9.97	10.22	9.60	9.91	9.83	9.48	7.61	8.51	9.15	9.98	10.90	11.68
21	9.97	---	9.55	9.94	9.82	9.39	7.61	8.55	9.18	10.01	10.93	11.68
22	10.01	---	9.49	9.98	9.83	9.23	7.61	8.57	9.17	10.05	10.96	11.71
23	10.01	---	9.48	10.00	9.80	9.02	7.63	8.57	9.18	10.10	10.99	11.73
24	10.01	10.26	9.47	10.00	9.82	8.85	7.63	8.59	9.19	10.14	11.01	11.75
25	10.01	10.28	9.46	10.02	9.80	8.74	7.68	8.62	9.22	10.18	11.04	11.76
26	10.02	10.27	9.46	10.06	9.78	8.66	7.71	8.64	9.27	10.22	11.07	11.76
27	10.02	10.26	9.45	10.05	9.80	8.60	7.71	8.64	9.31	10.24	11.10	11.78
28	10.02	10.28	9.45	10.08	9.80	8.56	7.74	8.64	9.35	10.26	11.13	11.78
29	10.03	10.29	9.46	10.12	---	8.53	7.79	8.66	9.38	10.28	11.16	11.79
30	10.04	10.29	9.46	10.11	---	8.47	7.80	8.68	9.40	10.32	11.18	11.80
31	10.05	---	9.47	10.11	---	8.35	---	8.71	---	10.34	11.20	---
MEAN	9.91	10.17	9.99	9.83	10.01	9.40	7.77	8.32	9.03	9.86	10.79	11.56
MAX	10.05	10.29	10.41	10.12	10.24	9.86	8.25	8.71	9.40	10.34	11.20	11.80
MIN	9.72	10.06	9.45	9.52	9.78	8.35	7.55	7.80	8.73	9.42	10.37	11.23



GROUND-WATER LEVELS

499

CLINTON COUNTY

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.--Water-table aquifer in Potsdam sandstone.**WELL CHARACTERISTICS.**--Drilled observation well, diameter 6 in., depth 78 ft, cased to 5 ft, open hole.**INSTRUMENTATION.**--Weekly measurements by observer, but more frequent during independent research studies. (Z=Measured by USGS personnel.)**DATUM.**--Elevation of land-surface datum is 690 ft above sea level, from topographic map.

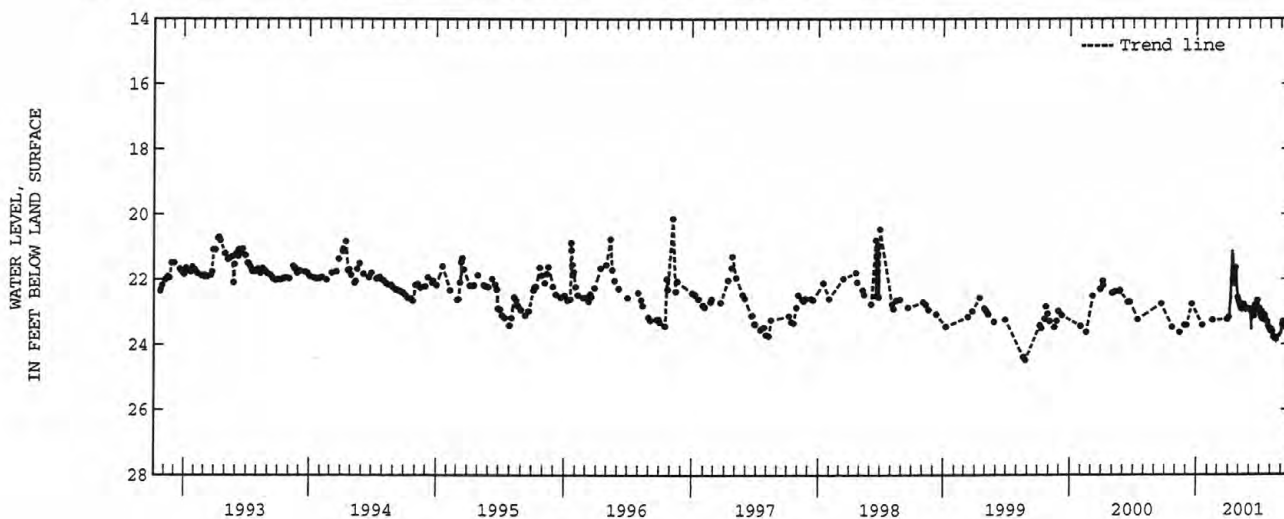
Measuring point: Top of casing at bottom of v-notch, 1.05 ft above land-surface datum.

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 measured, 20.13 ft below land-surface datum, Nov. 9, 1996; lowest measured, 24.47 ft below land-surface datum, Aug. 26, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	23.46	APR 20	22.14	MAY 22	22.96	JUL 01	22.90	AUG 08	23.65	SEP 06	23.30
NOV 14	23.62	22	21.65	23	22.95	03	23.04	09	23.70	07	23.36
28	23.40	23	21.64	24	22.80	05	23.09	10	23.77	08	23.37
DEC 04	23.40	24	21.90	25	22.84	06	23.17	13	23.81	09	23.39
19	22.76	25	22.18	26	22.93	09	23.21	14	23.88	10	23.42
JAN 17	23.40	26	22.31	27	22.90	10	23.14	15	23.88	12	23.45
FEB 16	23.25	27	22.35	28	22.91	11	22.97	16	23.89	13	23.46
MAR 28	23.23	28	22.48	JUN 05	22.93	12	22.93	17	23.85	14	23.51
APR 02	23.16	29	22.56	06	22.99	13	23.14	18	23.87	15	23.54
03	23.15	MAY 01	22.64	07	23.55	16	23.11	19	23.87	16	23.53
04	23.10	02	22.70	08	23.04	17	23.18	20	23.88	17	23.54
05	23.00	03	22.74	11	23.06	19	23.27	21	23.84	19	23.54
06	22.77	05	22.83	12	23.08	20	23.29	22	23.74	20	23.55
07	22.73	06	22.83	13	23.08	21	23.32	23	23.73	22	23.60
08	22.52	08	22.88	14	23.10	22	23.34	24	23.74	23	23.64
09	22.09	09	22.90	15	23.13	23	23.35	25	23.74	24	23.68
10	21.79	11	22.91	18	22.80	24	23.31	26	23.74	25	23.63
11	21.66	12	22.91	19	22.87	26	23.44	27	23.70	26	23.68
12	21.45	13	22.69	20	22.92	27	23.47	28	23.71	27	23.70
13	21.12	14	22.73	21	22.95	28	23.50	29	23.67	28	23.75
14	21.34	15	22.77	23	22.89	29	23.51	30	23.66	30	23.81
15	21.55	17	22.84	25	22.65	30	23.52	31	23.66		
16	21.69	18	22.85	26	22.71	AUG 02	23.58	SEP 01	23.48		
17	21.81	19	22.86	27	22.77	03	23.54	02	23.34		
18	21.96	20	22.91	28	22.76	06	23.60	03	23.30		
19	22.07	21	22.92	29	22.88	07	23.63	04	23.39		

WATER YEAR 2001 HIGHEST 21.12 APR 13, 2001 LOWEST 23.89 AUG 16, 2001



GROUND-WATER LEVELS

DUTCHESS COUNTY

414128073475201. Local number, Du 1009.

LOCATION.--Lat 41°41'28", long 73°47'52", Hydrologic Unit 02020008, James Baird State Park, near Pleasant Valley.

Owner: New York State Department of Environmental Conservation.

AQUIFER.--Water-table aquifer in sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Bored observation well, diameter 2.5 in., depth 24.5 ft, filled in from original depth of 28 ft, cased to 25 ft, 1.25-in. well point (60-gauze screen 25 ft to 27 ft, damaged during well installation).

INSTRUMENTATION.--Bi-weekly tape measurement by observer. (Z=Measured by USGS personnel.)

DATUM.--Elevation of land-surface datum is 330 ft above sea level, from topographic map.

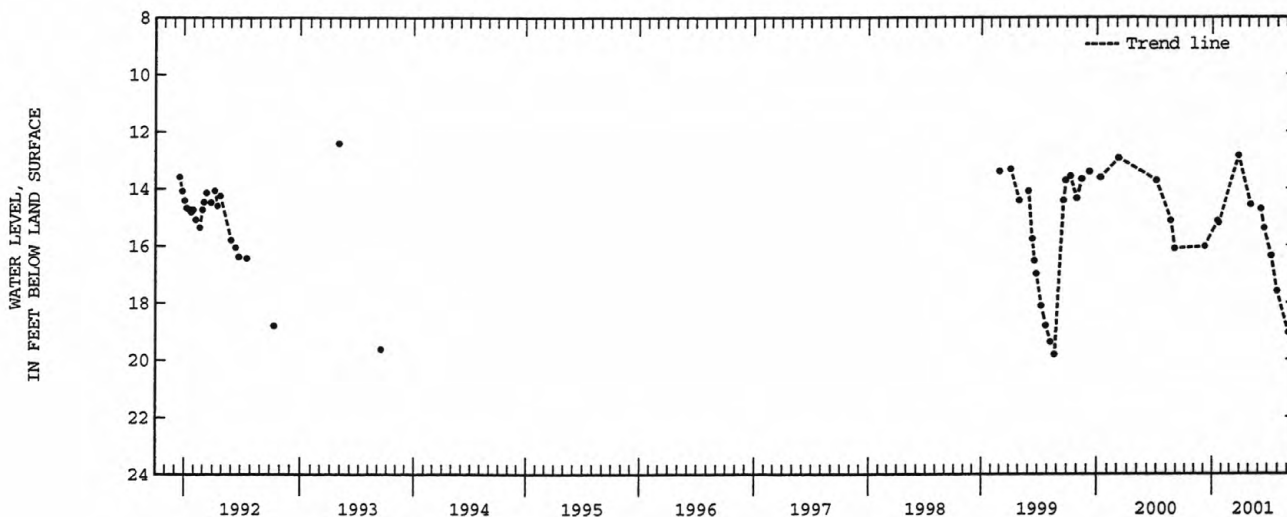
Measuring point: Top of casing, 2.10 ft above land-surface datum.

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 measured, 10.48 ft below land-surface datum, Feb. 3, 1988; lowest measured, 20.60 ft below land-surface datum, Nov. 24, 1965.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 06	Z16.03	JAN 23	Z15.20	MAY 07	14.57	JUN 19	Z15.39	JUL 30	17.60	SEP 21	Z19.46
JAN 18	15.13	MAR 29	12.85	JUN 08	14.72	JUL 12	16.36	SEP 05	19.05		
WATER YEAR 2001		HIGHEST	12.85	MAR 29, 2001		LOWEST	19.46	SEP 21, 2001			



GROUND-WATER LEVELS

501

ONEIDA COUNTY

433112075091501. Local number, Oe 151.

LOCATION.--Lat 43°31'12", long 75°09'15", Hydrologic Unit 04150101, at Woodgate.

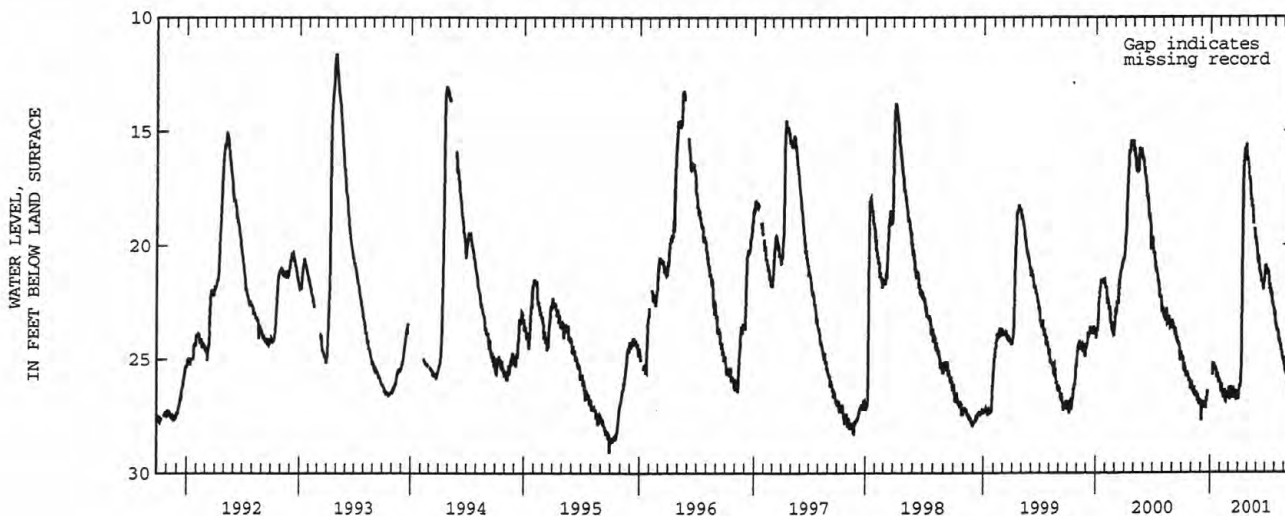
Owner: Mrs. Henry Rubyor.

AQUIFER.--Water-table aquifer in sand of Pleistocene age.**WELL CHARACTERISTICS.**--Dug domestic well, diameter 36 in., depth 30.9 ft in May 1996, stone-lined.**INSTRUMENTATION.**--Water-stage recorder--hourly. Tape gage read weekly by observer through September 7, 1991.**DATUM.**--Elevation of land-surface datum is 1,484.94 ft above sea level.

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 measured, 11.43 ft below land-surface datum, Apr. 3, 1976; lowest measured, 30.31 ft below land-surface datum, Feb. 25, 1961.**EXTREMES FOR CURRENT YEAR.**--Highest water level recorded, 15.49 ft below land-surface datum, Apr. 24; lowest recorded, 28.13 ft below land-surface datum, Dec. 3.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.87	25.96	26.83	---	25.98	26.54	26.44	16.21	20.08	20.89	23.05	25.17
2	25.05	26.28	27.09	---	26.02	26.29	26.80	16.28	19.90	20.92	23.12	25.30
3	24.92	26.20	27.73	---	26.11	26.29	26.58	16.44	20.24	20.96	22.92	25.20
4	24.86	26.15	27.39	---	26.46	26.81	26.40	16.53	20.37	21.07	23.27	25.41
5	24.99	26.44	27.02	---	26.37	26.55	26.36	16.58	20.47	21.02	23.48	25.62
6	24.95	26.32	27.11	---	26.23	26.73	26.25	17.09	20.83	21.07	23.41	25.38
7	25.47	26.38	26.99	---	26.21	26.54	26.14	17.11	20.64	21.32	23.58	25.29
8	25.49	26.54	26.85	25.73	26.43	26.21	26.25	17.01	20.46	21.25	23.62	25.41
9	25.22	26.37	---	25.20	26.42	26.26	26.12	17.14	20.62	21.17	23.76	25.76
10	25.22	26.35	---	25.14	26.34	26.48	25.78	17.22	20.94	21.07	23.67	25.77
11	25.48	26.59	27.04	25.39	26.72	26.73	25.60	17.43	21.14	21.15	23.81	25.63
12	25.44	26.63	26.85	25.35	26.63	26.59	24.99	17.85	21.05	21.16	23.82	25.89
13	25.36	26.46	26.96	25.19	26.38	26.45	23.44	18.06	21.24	21.19	23.74	25.92
14	25.67	26.40	27.17	25.37	26.50	26.40	21.23	17.98	21.27	21.54	23.98	25.85
15	25.74	26.68	---	25.52	26.41	26.33	18.83	18.00	21.19	21.99	24.13	25.64
16	25.74	26.52	---	25.35	26.33	26.24	17.27	18.35	21.35	21.79	24.27	25.66
17	25.80	26.44	27.21	25.35	26.38	26.33	16.62	18.32	21.65	21.70	24.11	26.07
18	25.68	26.49	27.00	25.52	26.85	26.75	16.36	18.25	21.59	22.01	24.21	26.14
19	25.55	26.87	26.71	25.44	26.87	26.63	16.25	18.35	21.49	21.99	24.40	26.22
20	25.69	26.78	26.70	25.46	26.48	26.62	16.03	18.72	21.64	21.90	24.37	26.19
21	25.66	26.55	26.88	25.80	26.62	26.59	15.79	19.09	21.68	22.03	24.34	26.15
22	25.79	26.58	26.42	25.81	26.60	26.64	15.97	19.05	21.54	22.33	24.63	26.18
23	25.84	26.72	26.48	25.74	26.60	26.37	15.80	---	21.87	22.20	24.57	26.53
24	26.02	26.74	26.38	25.62	26.52	26.61	15.69	---	22.00	22.08	24.64	26.35
25	25.87	26.90	---	25.65	26.75	26.83	15.73	19.24	21.77	22.53	24.68	26.26
26	25.94	27.02	---	25.87	26.58	26.64	15.62	19.43	21.53	22.63	24.81	26.73
27	25.94	26.89	---	25.96	26.43	26.44	15.57	19.63	21.66	22.52	24.96	26.44
28	26.01	26.91	---	26.07	26.58	26.45	15.95	19.80	21.53	22.61	24.92	26.37
29	26.35	26.97	---	25.88	---	26.75	16.34	19.68	21.30	22.77	25.11	26.64
30	26.18	26.82	---	25.90	---	26.59	16.19	19.70	21.15	22.78	24.97	26.73
31	26.11	---	---	26.05	---	26.49	---	19.91	---	22.81	24.91	---
MEAN	25.58	26.57	26.94	25.60	26.46	26.52	20.61	18.08	21.14	21.76	24.11	25.93
MAX	26.35	27.02	27.73	26.07	26.87	26.83	26.80	19.91	22.00	22.81	25.11	26.73
MIN	24.86	25.96	26.38	25.14	25.98	26.21	15.57	16.21	19.90	20.89	22.92	25.17



GROUND-WATER LEVELS

ST. LAWRENCE COUNTY

444904074455201. Local number, St 40.

LOCATION.--Lat 44°49'04", long 74°45'52", Hydrologic Unit 04150306, near Brasher Falls.

Owner: New York State Department of Environmental Conservation.

AQUIFER.--Water-table aquifer in sand of Pleistocene age.

WELL CHARACTERISTICS.--Dug unused well, diameter 36 in., depth 11.3 ft in October 1985, filled in from original depth of 12 ft, concrete cased to 12 ft, open end.

INSTRUMENTATION.--Tape gage read weekly by observer. (Z=Measured by USGS personnel.)

DATUM.--Elevation of land-surface datum is 300 ft above sea level, 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.

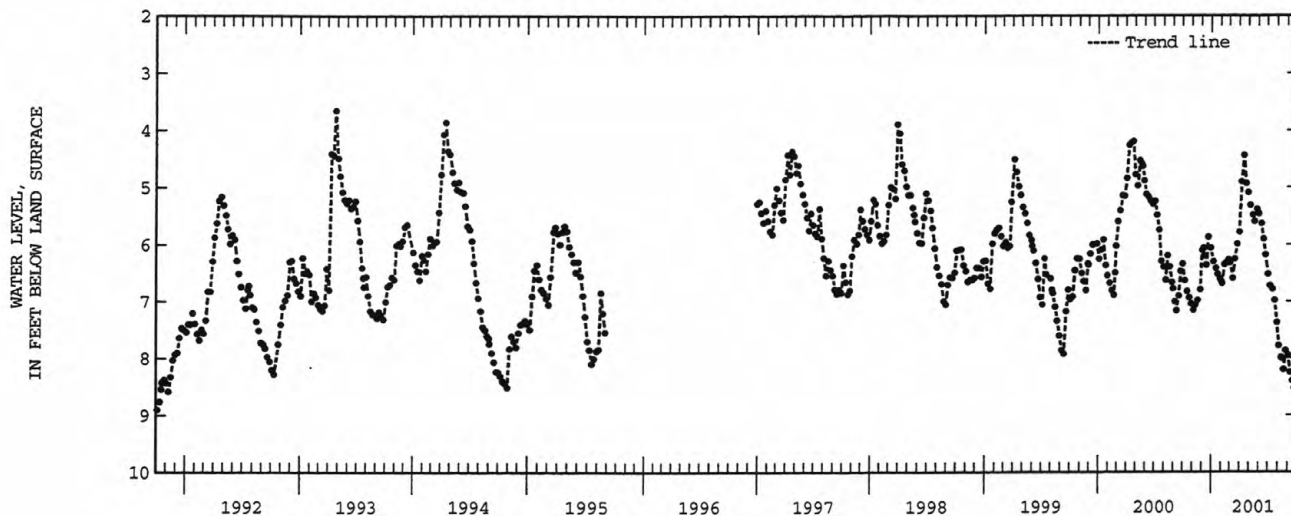
PERIOD OF RECORD.--May 1953 to August 1995, December 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.24 ft below land-surface datum, Apr. 21, 1971; lowest measured, 9.38 ft below land-surface datum, Oct. 24, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	6.34	DEC 07	26.06	FEB 05	6.68	APR 16	4.44	JUN 25	6.18	AUG 26	7.87
08	6.63	10	6.20	12	6.35	23	4.93	JUL 02	6.52	SEP 03	7.95
15	6.82	17	6.36	19	6.32	29	5.09	09	6.72	10	8.25
22	6.93	23	5.87	26	6.27	MAY 06	5.31	16	6.78	17	8.40
29	7.04	31	6.06	MAR 03	6.32	14	5.48	23	6.98	23	8.53
NOV 05	7.15	JAN 08	6.30	11	6.59	20	5.59	30	7.37		
12	7.06	15	6.42	18	6.25	27	5.38	AUG 06	7.78		
19	6.98	22	6.52	25	5.99	JUN 03	5.46	13	7.99		
27	6.79	29	6.60	APR 01	5.78	11	5.63	15	28.00		
DEC 03	6.10	FEB 02	26.64	09	4.90	17	5.90	20	8.20		

WATER YEAR 2001 HIGHEST 4.44 APR 16, 2001 LOWEST 8.53 SEP 23, 2001



SARATOGA COUNTY

425242073473201. Local number, Sa 1100.

LOCATION.--Lat 42°52'42", long 73°47'32", Hydrologic Unit 02020004, near Clifton Park.

Owner: Country Knolls Water Works.

AQUIFER.--Confined aquifer in sand and gravel of Pleistocene age.**WELL CHARACTERISTICS.**--Drilled unused well, diameter 6 in., depth 180 ft, cased to 180 ft, open end.**INSTRUMENTATION.**--Weekly tape measurement by observer. March 1985 to May 1999, water-stage recorder (hourly), prior to March 1985, tape measurements. (Z=Measured by USGS personnel.)**DATUM.**--Elevation of land-surface datum is 248 ft above sea level, from topographic map.

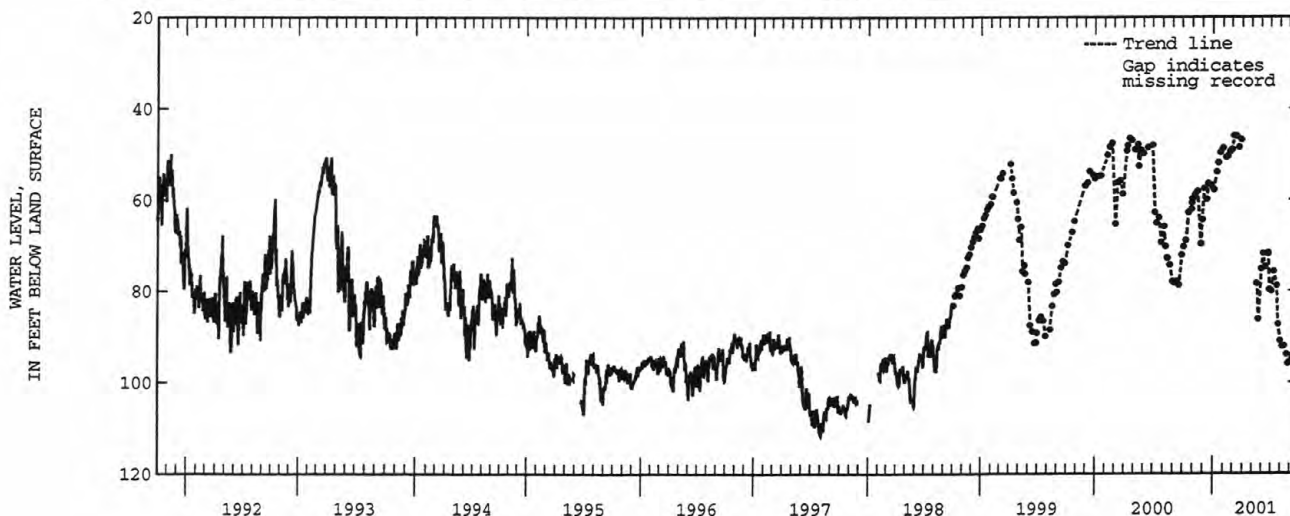
Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water level affected by pumping from nearby public-supply well.**PERIOD OF RECORD.**--April 1983 to current year.**EXTREMES OUTSIDE PERIOD OF RECORD.**--Highest water level measured, 5.52 ft below land-surface datum, June 1, 1973, initial water level after construction completion, prior to pumping affect.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level recorded, 21.84 ft below land-surface datum, Mar. 23, 24, 1986; lowest recorded, 111.99 ft below land-surface datum, Aug. 3, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	70.32	NOV 26	69.65	JAN 16	51.90	MAR 14	46.07	JUN 22	71.90	AUG 14	92.07
11	68.90	29	64.40	24	249.60	21	48.48	27	79.73	22	93.90
19	62.82	DEC 06	57.57	31	48.65	28	46.82	JUL 03	80.07	27	295.94
27	62.07	13	59.90	FEB 09	50.73	MAY 17	78.40	11	75.73	29	95.82
30	260.71	18	56.48	14	50.48	22	86.23	21	78.90	SEP 06	95.23
NOV 01	59.82	27	56.90	21	49.48	31	75.23	25	87.32	11	94.15
08	58.90	JAN 03	57.82	28	48.98	JUN 06	71.82	AUG 02	90.98	19	93.07
15	58.15	12	53.90	MAR 06	45.98	13	74.73	08	92.15	26	91.57

WATER YEAR 2001 HIGHEST 45.98 MAR 06, 2001 LOWEST 95.94 AUG 27, 2001



GROUND-WATER LEVELS

SULLIVAN COUNTY

414525074360601. Local number, Sv 535.

LOCATION.--Lat 41°45'25", long 74°36'06", Hydrologic Unit 02040104, at Woodbourne.

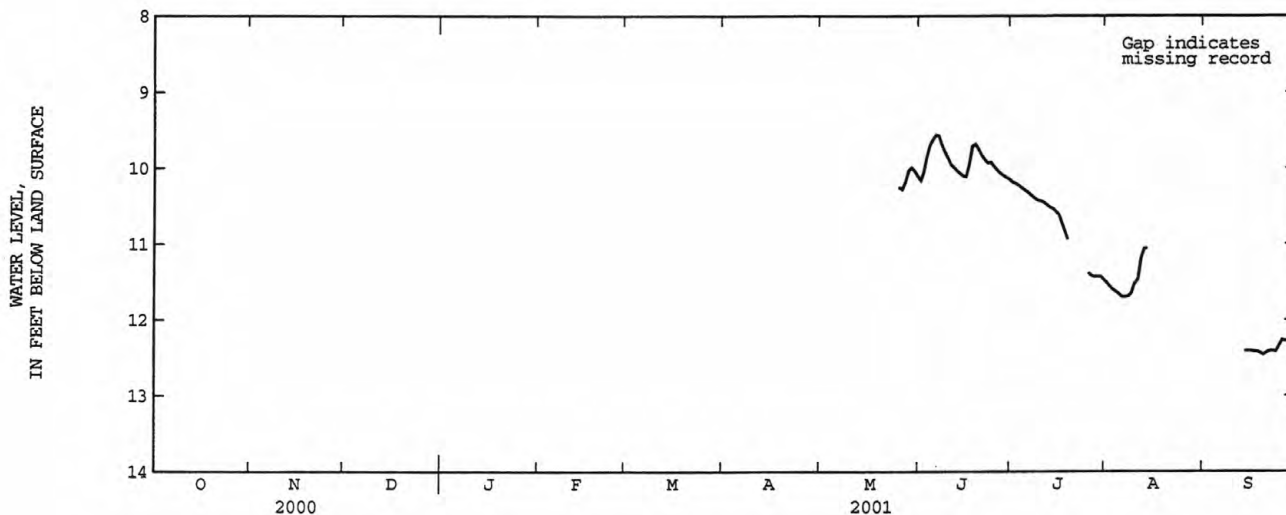
Owner: New York State Department of Environmental Conservation.

AQUIFER.--Water-table aquifer in outwash sand of Pleistocene age.**WELL CHARACTERISTICS.**--Drilled observation well, diameter 4 in., depth 37.5 ft in May 2001, filled in from original depth of 40 ft, cased to 37.5 ft, 2-in. well point (10-slotted screen 37.5 ft to 40 ft).**INSTRUMENTATION.**--Water-stage recorder--15-minute interval.**DATUM.**--Elevation of land-surface datum is 1,180 ft above sea level, from topographic map.

Measuring point: Top of casing, 0.86 ft above land-surface datum.

PERIOD OF RECORD.--May to September 2001.**EXTREMES FOR CURRENT YEAR.**--Highest water level recorded during May to September, 9.54 ft below land-surface datum, June 6,7; lowest recorded, 12.46 ft below land-surface datum, Sept. 19, 20, 21.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	10.16	10.18	11.51	---
2	---	---	---	---	---	---	---	---	10.05	10.20	11.56	---
3	---	---	---	---	---	---	---	---	9.85	10.23	11.60	---
4	---	---	---	---	---	---	---	---	9.70	10.26	11.63	---
5	---	---	---	---	---	---	---	---	9.62	10.29	11.66	---
6	---	---	---	---	---	---	---	---	9.56	10.32	11.70	---
7	---	---	---	---	---	---	---	---	9.57	10.36	11.70	---
8	---	---	---	---	---	---	---	---	9.69	10.39	11.69	---
9	---	---	---	---	---	---	---	---	9.79	10.42	11.65	---
10	---	---	---	---	---	---	---	---	9.87	10.43	11.52	---
11	---	---	---	---	---	---	---	---	9.95	10.45	11.47	---
12	---	---	---	---	---	---	---	---	9.99	10.48	11.18	---
13	---	---	---	---	---	---	---	---	10.03	10.51	11.06	---
14	---	---	---	---	---	---	---	---	10.07	10.53	11.06	12.41
15	---	---	---	---	---	---	---	---	10.10	10.57	---	12.41
16	---	---	---	---	---	---	---	---	10.11	10.61	---	12.41
17	---	---	---	---	---	---	---	---	9.95	10.71	---	12.42
18	---	---	---	---	---	---	---	---	9.71	10.83	---	12.42
19	---	---	---	---	---	---	---	---	9.68	10.94	---	12.44
20	---	---	---	---	---	---	---	---	9.74	---	---	12.46
21	---	---	---	---	---	---	---	---	9.82	---	---	12.43
22	---	---	---	---	---	---	---	---	9.88	---	---	12.41
23	---	---	---	---	---	---	---	---	9.93	---	---	12.41
24	---	---	---	---	---	---	---	---	9.92	---	---	12.42
25	---	---	---	---	---	---	---	10.25	9.97	---	---	12.34
26	---	---	---	---	---	---	---	10.28	10.02	11.38	---	12.27
27	---	---	---	---	---	---	---	10.18	10.06	11.42	---	12.28
28	---	---	---	---	---	---	---	10.03	10.09	11.43	---	12.28
29	---	---	---	---	---	---	---	9.99	10.12	11.43	---	12.30
30	---	---	---	---	---	---	---	10.03	10.14	11.43	---	12.31
31	---	---	---	---	---	---	---	10.10	---	11.47	---	---
MEAN	---	---	---	---	---	---	---	10.12	9.90	10.69	11.50	12.38
MAX	---	---	---	---	---	---	---	10.28	10.16	11.47	11.70	12.46
MIN	---	---	---	---	---	---	---	9.99	9.56	10.18	11.06	12.27



PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Statewide Pesticide Monitoring Project
Survey of Pesticides and their Degradates in Streams of New York State

Water samples were collected from 22 streams in New York State during base-flow conditions in June 2001 (see figure below), and were analyzed for more than 180 pesticides and pesticide degradates. The streams were located within watersheds that included significant amounts of (1) field crop, (2) orchard/vineyard, or (3) urban land. The study utilized the USGS SH2001/2010 and LCAA analytical methods, which have been widely used in previous USGS studies; it also included the relatively new SH2002 and SH2060 analytical methods, which include insecticides, fungicides, and pesticide degradates that have not been previously analyzed for in studies of surface-water quality in New York State. Concentrations did not exceed Federal or State maximum contaminant levels (MCLs) for drinking water for any compound.

NOTE: The Statewide pesticide monitoring project data table can be found in Volume 3, "Water Resources Data - New York, water year 2001".

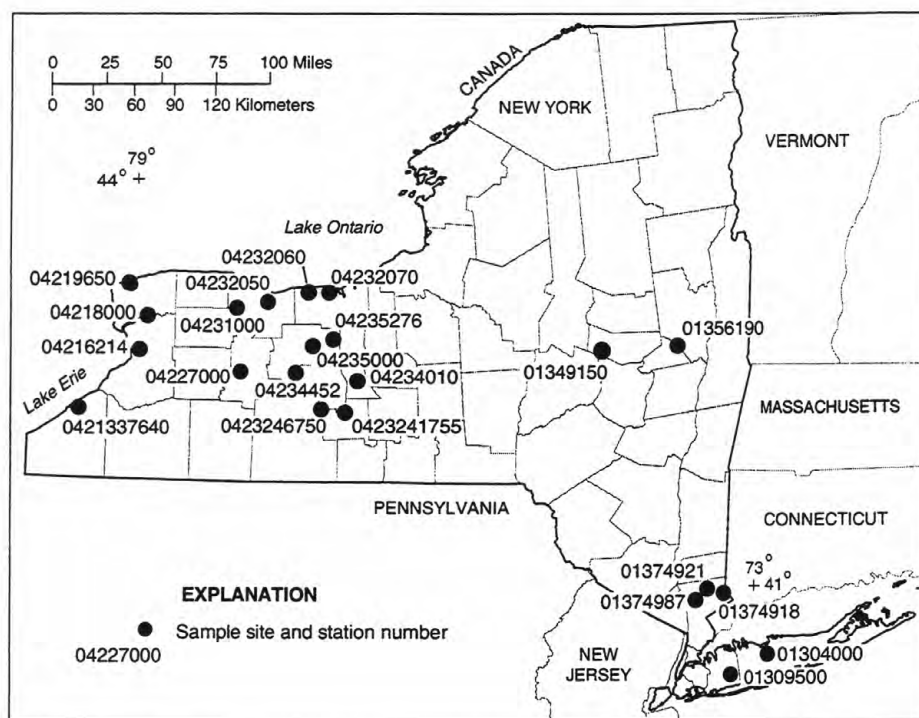


Figure 10. -- Location of stream sites that were sampled in New York State for pesticide analysis in June 2001.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Statewide Pesticide Monitoring Project
Monitoring at Community-Water-System Wells in New York State

In 1999, the U.S. Geological Survey, in cooperation with the New York State Department of Environmental Conservation, began a monitoring program to determine the occurrence and trends of pesticide residues in selected community water-supply wells in New York (see figure below). Samples of raw, untreated water from these wells were analyzed for the pesticide compounds using the USGS SH2001/2010 and LCAA methods. Concentrations did not exceed Federal or State maximum contaminant levels (MCLs) for drinking water for any compound.

NOTE: The Statewide pesticide monitoring project data table can be found in Volume 3, "Water Resources Data - New York, water year 2001".

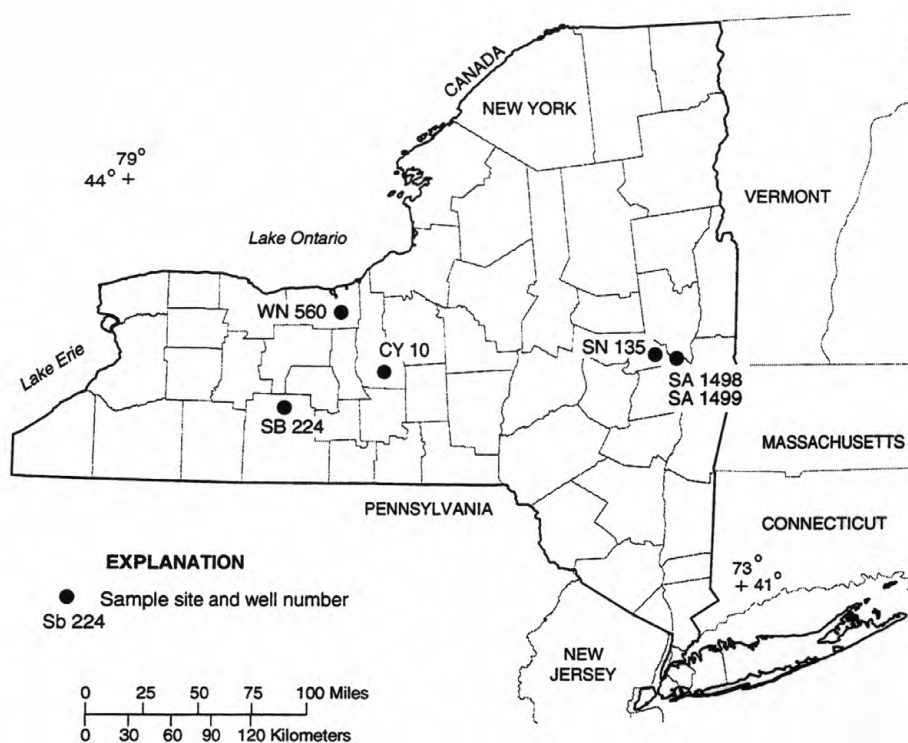


Figure 11.-- Location of community water-supply wells in New York that were sampled in water year 2001 for pesticide analysis.

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 2001 water year are published immediately following the discharge records for those sites.

A number of different methods were used to analyze water samples for pesticides; references for each method are given below. The SH2010 and SH2002 methods use gas chromatography/mass spectrometry and are described in Zaugg and others (1995) and Sandstrom and others (2001), respectively; the SH2060 method uses liquid chromatography/mass spectrometry and is described by Furlong and others (2001). For some samples, the U.S. Geological Survey Kansas Organic Geochemistry Laboratory LCAA method was used; this method is described in Lee and others, 2001. Results of the LCAA method are included in the SH2010 tables. Samples were collected according to methods described by Shelton, 1994.

Furlong, E.T., Anderson, B.D., Werner, S.L., Soliven, P.P., Coffey, L.J., and Burkhardt, M.R., 2001, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory - Determination of pesticides in water by graphitized carbon-based solid-phase extraction and high-performance liquid chromatography/mass spectrometry: U.S. Geological Survey Water-Resources Investigations Report 01-4134, 81 p.

Lee, E.A., Kish, J.L., Zimmerman, L.R., and Thurman, E.M., 2001, Methods of analysis by the U.S. Geological Survey Organic Geochemistry Research Group - Update and additions to the determination of chloroacetanilide herbicide degradation compounds in water using high-performance liquid chromatography/mass spectrometry: U.S. Geological Survey Open-File Report 01-10.

Sandstrom, M.W., Stroppel, M.E., Foreman, W.T., and Schroeder, M.P., 2001, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory - Determination of moderate-use pesticides and selected degradates in water by C-18 solid-phase extraction and gas chromatography/mass spectrometry: U.S. Geological Survey Water-Resources Investigations Report 01-4098, 70 p.

Shelton, L.R., 1994, Field guide for collecting and processing stream-water samples for the National Water-Quality Assessment program: U.S. Geological Survey Open-File Report 94-455, 42 p.

Zaugg, S.D., Sandstrom, M.W., Smith, S.G., and Fehlberg, K.M., 1995, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory - Determination of pesticides in water by C-18 solid-phase extraction and capillary-column gas chromatography with selective-ion monitoring: U.S. Geological Survey Open-File Report 95-181, 49 p.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin
(National water-quality assessment program)

In May 2000, a study investigating pesticides in the Croton watershed was begun in cooperation with the New York State Department of Environmental Conservation. Data from surface-water sites in the Croton watershed were collected to describe the occurrence of pesticide and pesticide degradation products in urban or residential areas. For many of the samples collected, analysis was performed using three analytical methods - method SH2010, method SH2060, and method SH2002. Because each of these methods share one or more pesticides, separate tables are provided so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the introduction of the Hudson NAWQA section.

Estimated values are those preceded by an E, values with an M indicate presence verified, not quantified, replicate samples are those preceded by an *, and stations preceded by † are sites where additional pesticide data can be found in the continuous-record section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010

STATION NUMBER	STATION NAME	DATE	TIME	DIS-CHARGE,	2,6-DI-	ACETO-	ALA-
				INST. CUBIC FEET PER SECOND (00061)	ETHYL ANILINE WAT FLT 0.7 U GF, REC (82660)	CHLOR, WATER FLTRD REC (49260)	CHLOR, WATER, DISS, REC (46342)
01301850	BEAR GUTTER CREEK NEAR ARMONK NY	07-09-01	1515	.53	<.002	<.004	<.002
01374490	EAST BRANCH CROTON RIVER AT PATTERSON NY	07-09-01	1210	E15	<.002	<.004	<.002
0137449450	PUTNAM LAKE AT DAM, AT PUTNAM LAKE NY	07-09-01	1345	2.2	<.002	<.004	<.002
0137449480	EAST BRANCH CROTON RIVER NEAR PUTNAM LAKE NY	07-09-01	1440	33	<.002	<.004	<.002
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-09-01	1520	2.6	<.002	<.004	<.002
01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	07-10-01	0945	.38	<.002	<.004	<.002
*01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	07-10-01	0946	.38	<.002	<.004	<.002
01374670	MICHAEL BROOK AT CARMEL NY	07-10-01	0855	.82	<.002	<.004	<.002
01374674	MICHAEL BROOK NEAR CARMEL NY	07-10-01	1025	2.3	<.002	<.004	<.002
01374848	LAKE LINCOLNDALE TRIB ABOVE LAKE LINCOLNDALE NY	07-10-01	1100	.03	<.002	<.004	<.002
01374860	PLUM BROOK AT LINCOLNDALE NY	07-10-01	1150	4.0	<.002	<.004	<.002
01374890	CROSS RIVER NEAR CROSS RIVER NY	07-09-01	1600	19	<.002	<.004	<.002
01374908	STONE HILL RIVER AT BEDFORD NY	07-10-01	0835	4.0	<.002	<.004	<.002
01374911	STONE HILL RIVER AT BEDFORD CENTER, NY	07-10-01	1120	6.3	<.002	<.004	<.002
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	07-10-01	1010	3.4	<.002	<.004	<.002
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	07-10-01	1445	9.1	<.002	<.004	<.002
01374917	BROAD BROOK AT KATONAH NY	07-10-01	1535	3.9	<.002	<.004	<.002
†01374918	STONE HILL RIVER SOUTH OF KATONAH NY	07-10-01	1410	14	<.002	<.004	<.002
01374920	STONE HILL RIVER TRIBUTARY AT LAKE MARIE, NY	07-11-01	1505	.79	<.002	<.004	<.002
0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	07-11-01	1555	.97	<.002	<.004	<.002
*0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	07-11-01	1556	.97	<.002	<.004	<.002
†01374921	STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY	07-11-01	1610	2.2	<.002	<.004	<.002
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-12-01	0850	2.3	<.002	<.004	<.002
*0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-12-01	0851	2.3	<.002	<.004	<.002
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	07-12-01	1000	4.3	<.002	<.004	<.002
0137498420	BRANCH BROOK AT MOUNT KISCO, NY	07-12-01	0810	2.1	<.002	<.004	<.002
01374985	KISCO RIVER AT MOUNT KISCO NY	07-12-01	1040	14	<.002	<.004	<.002
01374986	KISCO R AT BRDG ON CROSS RIVER RD NR MT KISCO NY	07-12-01	1135	16	<.002	<.004	<.002
†01374987	KISCO RIVER BELOW MOUNT KISCO NY	07-12-01	1350	16	<.002	<.004	<.002
01374991	HUNTER BROOK NORTH OF YORKTOWN, NY	07-10-01	1400	.03	<.002	<.004	<.002
01374992	HUNTER BROOK NEAR YORKTOWN NY	07-10-01	1430	2.1	<.002	<.004	<.002
01375000	CROTON R @ NEW CROTON DAM NR CROTON-ON-HUDSON NY	07-10-01	1530	288	<.002	<.004	.007
410714073431401	BEAR GUTTER CREEK AT ARMONK NY	07-09-01	1355	.03	<.002	<.004	<.002

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

STATION NUMBER	DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)
01301850	07-09-01	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.002	<.005
01374490	07-09-01	<.005	.009	<.010	<.002	<.041	E.009	<.005	<.018	<.003	E.005	<.005
0137449450	07-09-01	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.015
0137449480	07-09-01	<.005	.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.003	<.005
0137449494	07-09-01	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.002	<.005
01374657	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
01374657	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
01374670	07-10-01	<.005	E.003	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.007
01374674	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.007
01374848	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
01374860	07-10-01	<.005	.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.011
01374890	07-09-01	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
01374908	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
01374911	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137491120	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
01374916	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
01374917	07-10-01	<.005	<.007	<.010	<.002	E.010	<.020	<.005	<.018	<.003	<.006	<.005
01374918	07-10-01	<.005	<.007	<.010	<.002	E.004	<.020	<.005	<.018	<.003	<.006	<.005
01374920	07-11-01	<.005	E.004	<.010	<.002	E.012	<.020	<.005	<.018	<.003	E.004	.008
0137492010	07-11-01	<.005	E.006	<.010	<.002	E.010	<.020	<.005	<.018	<.003	E.005	.017
0137492010	07-11-01	<.005	E.006	<.010	<.002	E.010	<.020	<.005	<.018	<.003	E.005	.016
01374921	07-11-01	<.005	E.004	<.010	<.002	E.019	<.020	<.005	<.018	<.003	E.003	.008
0137498340	07-12-01	<.005	E.005	<.010	<.002	E.004	<.020	<.005	<.018	<.003	E.002	.005
0137498340	07-12-01	<.005	E.005	<.010	<.002	E.004	<.020	<.005	<.018	<.003	E.002	E.004
01374984	07-12-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005
0137498420	07-12-01	<.005	E.005	<.010	<.002	E.067	<.020	<.005	<.018	<.003	E.004	.047
01374985	07-12-01	<.005	E.004	<.010	<.002	E.016	<.020	<.005	<.018	<.003	<.006	.006
01374986	07-12-01	<.005	E.004	<.010	<.002	E.017	<.020	<.005	<.018	<.003	E.003	E.004
01374987	07-12-01	<.005	E.005	<.010	<.002	E.014	<.020	<.005	<.018	<.003	E.002	E.005
01374991	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	E.004
01374992	07-10-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.025
01375000	07-10-01	<.005	.014	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.003	.015
410714073431401	07-09-01	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

STATION NUMBER	DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
01301850	07-09-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374490	07-09-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137449450	07-09-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137449480	07-09-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137449494	07-09-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374657	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374657	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374670	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374674	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374848	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374860	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.011	<.050	<.006
01374890	07-09-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374908	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374911	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137491120	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374916	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374917	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	.061	<.035	<.027	<.050	<.006
01374918	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	.014	<.035	<.027	<.050	<.006
01374920	07-11-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137492010	07-11-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137492010	07-11-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374921	07-11-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137498340	07-12-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137498340	07-12-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374984	07-12-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
0137498420	07-12-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374985	07-12-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374986	07-12-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374987	07-12-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374991	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01374992	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
01375000	07-10-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006
410714073431401	07-09-01	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

STATION NUMBER	DATE	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)
01301850	07-09-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
01374490	07-09-01	E.005	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
0137449450	07-09-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.008
0137449480	07-09-01	E.005	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
0137449494	07-09-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
01374657	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
01374657	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
01374670	07-10-01	E.010	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.007
01374674	07-10-01	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.009
01374848	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.010
01374860	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.011
01374890	07-09-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
01374908	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
01374911	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
0137491120	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.003
01374916	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
01374917	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
01374918	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
01374920	07-11-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.014
0137492010	07-11-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.013
0137492010	07-11-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.013
01374921	07-11-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.019
0137498340	07-12-01	E.004	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.005
0137498340	07-12-01	E.004	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
01374984	07-12-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
0137498420	07-12-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.020
01374985	07-12-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.011
01374986	07-12-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.012
01374987	07-12-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.010
01374991	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.008
01374992	07-10-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
01375000	07-10-01	E.005	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.006
410714073431401	07-09-01	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2010--Continued

STATION NUMBER	DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, FLTRD DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, FLTRD DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
01301850	07-09-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374490	07-09-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0137449450	07-09-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0137449480	07-09-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0137449494	07-09-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374657	07-10-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374657	07-10-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374670	07-10-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374674	07-10-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374848	07-10-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374860	07-10-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374890	07-09-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374908	07-10-01	<.004	<.010	<.011	<.023	.023	<.016	<.034	<.017	<.005	<.002	<.009
01374911	07-10-01	<.004	<.010	<.011	<.023	.016	<.016	<.034	<.017	<.005	<.002	<.009
0137491120	07-10-01	<.004	<.010	<.011	<.023	1.83	<.016	<.034	<.017	<.005	<.002	<.009
01374916	07-10-01	<.004	<.010	<.011	<.023	.510	<.016	<.034	<.017	<.005	<.002	<.009
01374917	07-10-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374918	07-10-01	<.004	<.010	<.011	<.023	.314	<.016	<.034	<.017	<.005	<.002	<.009
01374920	07-11-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0137492010	07-11-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0137492010	07-11-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374921	07-11-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0137498340	07-12-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0137498340	07-12-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374984	07-12-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0137498420	07-12-01	<.004	<.010	<.011	<.023	E.004	.021	<.034	<.017	<.005	<.002	<.009
01374985	07-12-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374986	07-12-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374987	07-12-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374991	07-10-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374992	07-10-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01375000	07-10-01	<.004	<.010	<.011	<.023	.079	<.016	<.034	<.017	<.005	<.002	<.009
410714073431401	07-09-01	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060

STATION NUMBER	STATION NAME	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
01301850	BEAR GUTTER CREEK NEAR ARMONK NY	07-09-01	1520	.53	<.009	<.02	<.02
01374490	EAST BRANCH CROTON RIVER AT PATTERSON NY	07-09-01	1215	E15	<.009	<.02	<.02
0137449450	PUTNAM LAKE AT DAM, AT PUTNAM LAKE NY	07-09-01	1350	2.2	<.009	.05	<.02
0137449480	EAST BRANCH CROTON RIVER NEAR PUTNAM LAKE NY	07-09-01	1445	33	<.009	<.02	<.02
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-09-01	1525	2.6	<.009	.34	<.02
01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	07-10-01	0950	.38	<.009	<.02	<.02
*01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	07-10-01	0951	.38	<.009	<.02	<.02
01374670	MICHAEL BROOK AT CARMEL NY	07-10-01	0900	.82	<.009	<.02	<.02
01374674	MICHAEL BROOK NEAR CARMEL NY	07-10-01	1030	2.3	<.009	<.02	<.02
01374848	LAKE LINCOLNDALE TRIB ABOVE LAKE LINCOLNDALE NY	07-10-01	1110	.03	<.009	<.02	<.02
01374860	PLUM BROOK AT LINCOLNDALE NY	07-10-01	1155	4.0	<.009	E.01	<.02
01374890	CROSS RIVER NEAR CROSS RIVER NY	07-09-01	1605	19	<.009	<.02	<.02
01374908	STONE HILL RIVER AT BEDFORD NY	07-10-01	0840	4.0	<.009	<.02	<.02
01374911	STONE HILL RIVER AT BEDFORD CENTER, NY	07-10-01	1125	6.3	<.009	<.02	<.02
0137491120	DAVIDS BROOK AT BEDFORD CENTER NY	07-10-01	1015	3.4	<.009	<.02	<.02
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	07-10-01	1450	9.1	<.009	<.02	<.02
01374917	BROAD BROOK AT KATONAH NY	07-10-01	1540	3.9	<.009	<.02	<.02
+01374918	STONE HILL RIVER SOUTH OF KATONAH NY	07-10-01	1415	14	<.009	<.02	<.02
01374920	STONE HILL RIVER TRIBUTARY AT LAKE MARIE, NY	07-11-01	1510	.79	<.009	<.02	<.02
0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	07-11-01	1600	.97	<.009	<.02	<.02
*0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	07-11-01	1601	.97	<.009	<.02	<.02
+01374921	STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY	07-11-01	1615	2.2	<.009	<.02	<.02
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-12-01	0855	2.3	<.009	.03	<.02
*0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-12-01	0856	2.3	<.009	.04	<.02
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	07-12-01	1005	4.3	<.009	<.02	<.02
0137498420	BRANCH BROOK AT MOUNT KISCO, NY	07-12-01	0815	2.1	<.009	<.02	<.02
01374985	KISCO RIVER AT MOUNT KISCO NY	07-12-01	1045	14	<.009	<.02	<.02
01374986	KISCO R AT BRDG ON CROSS RIVER RD NR MT KISCO NY	07-12-01	1140	16	<.009	.02	<.02
+01374987	KISCO RIVER BELOW MOUNT KISCO NY	07-12-01	1355	16	<.009	<.02	<.02
01374991	HUNTER BROOK NORTH OF YORKTOWN, NY	07-10-01	1405	.03	<.009	.15	<.02
01374992	HUNTER BROOK NEAR YORKTOWN NY	07-10-01	1435	2.1	<.009	E.02	<.02
01375000	CROTON R @ NEW CROTON DAM NR CROTON-ON-HUDSON NY	07-10-01	1535	288	<.009	.07	<.02
410714073431401	BEAR GUTTER CREEK AT ARMONK NY	07-09-01	1400	.03	<.009	<.02	<.02

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

STATION NUMBER	DATE	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO- FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO- CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN- SUL- FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)
01301850	07-09-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374490	07-09-01	<.01	<1.50	<.01	<.02	<.01	<.04	E.003	<.025	<.004	<.0158	<.01
0137449450	07-09-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	E.01
0137449480	07-09-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
0137449494	07-09-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374657	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374657	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374670	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374674	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374848	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	M
01374860	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	E.015	<.0158	<.01
01374890	07-09-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	M
01374908	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374911	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
0137491120	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.001	<.025	<.004	<.0158	<.01
01374916	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374917	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	E.025	<.0158	<.01
01374918	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374920	07-11-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
0137492010	07-11-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
0137492010	07-11-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374921	07-11-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
0137498340	07-12-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	E.005	<.0158	<.01
0137498340	07-12-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	E.005	<.0158	<.01
01374984	07-12-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
0137498420	07-12-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	.018	<.0158	<.01
01374985	07-12-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374986	07-12-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374987	07-12-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374991	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01
01374992	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	E.127	<.0158	<.01
01375000	07-10-01	<.01	<1.50	<.01	<.02	<.01	<.04	E.005	<.025	<.004	<.0158	<.01
410714073431401	07-09-01	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	<.0158	<.01

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

STATION NUMBER	DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF- FEINE, WATER, FLTRD, REC (UG/L) (50305)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR- AMBEN, METHYL, ESTER WATER FLTRD (UG/L) (61188)	CHLORI- MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)
01301850	07-09-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374490	07-09-01	<.03	<.02	<.010	<.03	.01	<.02	<.010	<.04	<.01	<.01	<.01
0137449450	07-09-01	<.03	<.02	E.030	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
0137449480	07-09-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
0137449494	07-09-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374657	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374657	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374670	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374674	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374848	07-10-01	<.03	<.02	E.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374860	07-10-01	<.03	<.02	E.017	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374890	07-09-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374908	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374911	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
0137491120	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374916	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374917	07-10-01	<.03	<.02	E.030	<.03	<.01	<.02	<.010	<.04	.10	<.01	<.01
01374918	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374920	07-11-01	<.03	<.02	<.010	M	<.01	<.02	<.010	<.04	<.01	<.01	<.01
0137492010	07-11-01	<.03	<.02	.026	M	<.01	<.02	<.010	<.04	<.01	<.01	<.01
0137492010	07-11-01	<.03	<.02	<.010	M	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374921	07-11-01	<.03	<.02	E.062	E.01	<.01	<.02	<.010	<.04	<.01	<.01	<.01
0137498340	07-12-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
0137498340	07-12-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374984	07-12-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
0137498420	07-12-01	<.03	<.02	.126	.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374985	07-12-01	<.03	<.02	<.010	E.01	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374986	07-12-01	<.03	<.02	<.010	E.01	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374987	07-12-01	<.03	<.02	<.010	M	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01374991	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	.09	<.01	<.01
01374992	07-10-01	<.03	<.02	.048	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
01375000	07-10-01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01
410714073431401	07-09-01	<.03	<.02	E.009	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

STATION NUMBER	DATE	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04039)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, FLTRD, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET- SULAM WATER, FLTRD, REC (UG/L) (61694)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)
01301850	07-09-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374490	07-09-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
0137449450	07-09-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
0137449480	07-09-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
0137449494	07-09-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374657	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374657	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374670	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374674	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374848	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374860	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374890	07-09-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374908	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374911	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
0137491120	07-10-01	<.028	<.01	E.39	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374916	07-10-01	<.028	M	E.11	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374917	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374918	07-10-01	<.028	<.01	E.05	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374920	07-11-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
0137492010	07-11-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
0137492010	07-11-01	<.028	M	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374921	07-11-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
0137498340	07-12-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
0137498340	07-12-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374984	07-12-01	<.028	<.01	<.04	.02	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
0137498420	07-12-01	<.028	E.01	<.04	.14	<.01	<.01	<.03	.02	<.03	<.0110	<.03
01374985	07-12-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
01374986	07-12-01	<.028	M	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
01374987	07-12-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03
01374991	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01374992	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03
01375000	07-10-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	.02	<.03	<.0110	<.03
410714073431401	07-09-01	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

STATION NUMBER	DATE	HYDROXY ATRA- ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ- AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE- THAPYR WATER FLTRD REC (UG/L) (50407)	IMID- ACLOP- RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U (UG/L) (38501)	METH- OMYL OXIME WATER FLTRD REC (UG/L) (61696)	METH- OMYL, WATER, FLTRD, GF 0.7U (UG/L) (49296)
01301850	07-09-01	<.008	E.027	<.017	.0354	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374490	07-09-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
0137449450	07-09-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
0137449480	07-09-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
0137449494	07-09-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374657	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	.027	<.01	<.0110	<.0044
01374657	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	.026	<.01	<.0110	<.0044
01374670	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374674	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374848	07-10-01	E.005	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374860	07-10-01	E.036	E.005	<.017	E.1355	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374890	07-09-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374908	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374911	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
0137491120	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.012	<.01	<.0110	<.0044
01374916	07-10-01	E.005	<.016	<.017	<.0068	<.01	<.02	<.01	E.003	<.01	<.0110	<.0044
01374917	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	.023	<.01	<.0110	<.0044
01374918	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	E.011	<.01	<.0110	<.0044
01374920	07-11-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
0137492010	07-11-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
0137492010	07-11-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374921	07-11-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
0137498340	07-12-01	<.008	<.016	<.017	.1177	<.01	<.02	<.01	E.004	<.01	<.0110	<.0044
0137498340	07-12-01	<.008	<.016	<.017	.1296	<.01	<.02	<.01	E.006	<.01	<.0110	<.0044
01374984	07-12-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
0137498420	07-12-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374985	07-12-01	<.008	E.003	<.017	.0613	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374986	07-12-01	<.008	<.016	<.017	.0622	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374987	07-12-01	<.008	<.016	<.017	.0502	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374991	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01374992	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
01375000	07-10-01	<.008	<.016	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044
410714073431401	07-09-01	<.008	E.008	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

STATION NUMBER	DATE	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE, WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)
01301850	07-09-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374490	07-09-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
0137449450	07-09-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
0137449480	07-09-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
0137449494	07-09-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374657	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374657	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374670	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374674	07-10-01	E.1758	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	M
01374848	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374860	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374890	07-09-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374908	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374911	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
0137491120	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.010	<.01
01374916	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374917	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374918	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374920	07-11-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
0137492010	07-11-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
0137492010	07-11-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374921	07-11-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
0137498340	07-12-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
0137498340	07-12-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374984	07-12-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
0137498420	07-12-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	.02
01374985	07-12-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374986	07-12-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374987	07-12-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374991	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01374992	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
01375000	07-10-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01
410714073431401	07-09-01	<.0250	<.01	<.013	<.02	<.02	<.013	<.01	<.02	<.01	<.021	<.01

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

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Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

STATION NUMBER	DATE	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO- MET- RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)	TRI- BENURON METHYL WATER FLTRD REC (UG/L) (61159)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
01301850	07-09-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374490	07-09-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
0137449450	07-09-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
0137449480	07-09-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
0137449494	07-09-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374657	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374657	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374670	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374674	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374848	07-10-01	.074	<.009	<.006	<.01	<.01	<.02	<.0242
01374860	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374890	07-09-01	E.004	<.009	<.006	<.01	<.01	<.02	<.0242
01374908	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374911	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
0137491120	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374916	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374917	07-10-01	<.017	<.009	.006	<.01	<.01	<.02	<.0242
01374918	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374920	07-11-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
0137492010	07-11-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
0137492010	07-11-01	<.017	.009	<.006	<.01	<.01	<.02	<.0242
01374921	07-11-01	<.017	E.021	<.006	<.01	<.01	<.02	<.0242
0137498340	07-12-01	E.003	<.009	<.006	<.01	<.01	<.02	<.0242
0137498340	07-12-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01374984	07-12-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
0137498420	07-12-01	<.017	.028	.014	<.01	<.01	<.02	<.0242
01374985	07-12-01	<.017	.017	<.006	<.01	<.01	<.02	<.0242
01374986	07-12-01	<.017	.016	<.006	<.01	<.01	<.02	<.0242
01374987	07-12-01	<.017	.018	<.006	<.01	<.01	<.02	<.0242
01374991	07-10-01	<.017	<.009	<.006	<.01	<.01	.03	<.0242
01374992	07-10-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242
01375000	07-10-01	E.003	<.009	<.006	<.01	<.01	<.02	<.0242
410714073431401	07-09-01	<.017	<.009	<.006	<.01	<.01	<.02	<.0242

METHOD SH2002

STATION NUMBER	STATION NAME	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	1,4-NAPTHO QUINON WATER FLTRD REC (UG/L) (61611)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	2(4TERT BUTYL-PHENOXY CYCLO-HEXANOL FLT REC (UG/L) (61637)
01374490	EAST BRANCH CROTON RIVER AT PATTERSON NY	07-09-01	1220	E15	<.0509	<.088	<.0108
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-09-01	1530	2.6	<.0509	<.088	<.0108
01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	07-10-01	0955	.38	<.0166	<.073	<.0080
*01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	07-10-01	0956	.38	<.0166	<.073	<.0080
01374920	STONE HILL RIVER TRIBUTARY AT LAKE MARIE, NY	07-11-01	1515	.79	<.0166	<.073	<.0080
0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	07-11-01	1605	.97	<.0166	<.073	<.0080
*0137492010	STONE HILL RIVER TRIBUTARY BELOW LAKE MARIE, NY	07-11-01	1606	.97	<.0166	<.073	<.0080
+01374921	STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY	07-11-01	1620	2.2	<.0166	<.073	<.0080
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-12-01	0900	2.3	<.0166	<.073	<.0080
*0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-12-01	0901	2.3	<.0166	<.073	<.0080
01374984	KISCO RIVER SOUTH OF MOUNT KISCO, NY	07-12-01	1010	4.3	<.0166	<.073	<.0080
0137498420	BRANCH BROOK AT MOUNT KISCO, NY	07-12-01	0820	2.1	<.0166	<.073	<.0080
01374985	KISCO RIVER AT MOUNT KISCO NY	07-12-01	1050	14	<.0166	<.073	<.0080
01374986	KISCO R AT BRDG ON CROSS RIVER RD NR MT KISCO NY	07-12-01	1145	16	<.0166	<.073	<.0080
+01374987	KISCO RIVER BELOW MOUNT KISCO NY	07-12-01	1400	16	<.0166	<.073	<.0080

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

STATION NUMBER	DATE	2,5-DI- CHLORO- ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2- ETHYL- 6-METHY- PANOL WAT FLT REC (UG/L) (61615)	2AMINON ISOPROP PYLBEN ZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO -2,6- DIETHYL ACET- ANILIDE WAT FLT REC (UG/L) (61618)	4CHLORO 2-METH- YL- METHYL PHENOL WAT FLT REC (UG/L) (61633)	4CHLORO BENZYL METHYL SULFONE WAT FLT REC (UG/L) (61634)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)	ANILINE 3,4-DI- CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI- CHLORO WATER FLTRD REC (UG/L) (61627)	ANILINE 3-TRI- FLUORO- METHYL- OXON WAT FLT REC (UG/L) (61630)	AZIN- PHOS- METHYL- OXON WAT FLT REC (UG/L) (61635)
01374490	07-09-01	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045	<.0045	<.0047	<.0108	<.0160
0137449494	07-09-01	<.0261	<.1260	<.0049	<.0050	<.0056	<.0304	<.0045	<.0045	<.0047	<.0108	<.0160
01374657	07-10-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	.0114	<.0033	<.0016
01374657	07-10-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	.0113	<.0033	<.0016
01374920	07-11-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
0137492010	07-11-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	.0166	<.0036	<.0033	<.0016
0137492010	07-11-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
01374921	07-11-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
0137498340	07-12-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
0137498340	07-12-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
01374984	07-12-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
0137498420	07-12-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
01374985	07-12-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
01374986	07-12-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
01374987	07-12-01	<.0176	<.1150	<.0023	<.0042	<.0027	<.0167	<.0032	<.0029	<.0036	<.0033	<.0016
STATION NUMBER	DATE	BENZO- PHENONE 4,4-DI- CHLORO WAT FLT REC (UG/L) (61631)	BENZYL ALCOHOL 3-PHEN- OXY WAT FLT REC (UG/L) (61629)	BI- FENTH- RIN WATER FLTRD REC (UG/L) (61580)	CHLOR- PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	CIS- CARBOX- YATE WATER FLTRD REC (UG/L) (79842)	CIS- PROPI- CONAZ- OLE WAT FLT REC (UG/L) (79846)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)	CY- FLUTH- RIN WATER FLTRD REC (UG/L) (61585)	CYPER- METHRIN WATER FLTRD REC (UG/L) (61586)	DICROT- OPHOS WATER FLTRD REC (UG/L) (38454)	DIMETH- OATE WATER FLTRD 0.7 U GF, REC (UG/L) (82662)
01374490	07-09-01	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086	<.0843	<.01
0137449494	07-09-01	<.0034	<.0466	<.0053	<.0562	<.0393	<.0080	<.0047	<.0080	<.0086	<.0843	<.01
01374657	07-10-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
01374657	07-10-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
01374920	07-11-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
0137492010	07-11-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
0137492010	07-11-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
01374921	07-11-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
0137498340	07-12-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
0137498340	07-12-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
01374984	07-12-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
0137498420	07-12-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	E.01
01374985	07-12-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
01374986	07-12-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
01374987	07-12-01	<.0029	<.0261	<.0013	<.0199	<.0099	<.0013	<.0042	<.0011	<.0022	<.0333	<.0021
STATION NUMBER	DATE	DISULF- OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF- OTON SULF- OXIDE WAT FLT REC (UG/L) (61641)	E-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79844)	ENDO- SULFAN ALPHA DISSOLV (UG/L) (34362)	ENDO- SULFAN BETA DISSOLV (UG/L) (34357)	ENDO- SULFAN ETHER WATER FLTRD REC (UG/L) (61642)	ENDO- SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	ETHION MONOXON WATER FLTRD REC (UG/L) (82346)	FENAMI- PHOS SULFONE WATER FLTRD REC (UG/L) (61644)	FENAMI- PHOS SULF- OXIDE WAT FLT REC (UG/L) (61645)	FENAMI- PHOS SULF- OXIDE WAT FLT REC (UG/L) (61646)
01374490	07-09-01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
0137449494	07-09-01	<.0159	<.0024	<.0203	<.0047	<.01	<.0041	<.0058	<.0040	<.0336	<.0077	<.0310
01374657	07-10-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
01374657	07-10-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
01374920	07-11-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
0137492010	07-11-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
0137492010	07-11-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
01374921	07-11-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
0137498340	07-12-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
0137498340	07-12-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
01374984	07-12-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
0137498420	07-12-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
01374985	07-12-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
01374986	07-12-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009
01374987	07-12-01	<.0068	<.0024	<.0034	<.0025	<.01	<.0041	<.0033	<.0015	<.0145	<.0028	<.0009

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

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Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

STATION NUMBER	DATE	FENAMI- PHOS WATER FLTRD REC (UG/L) (61591)	FEN- THION SULF- OXIDE WAT FLT REC (UG/L) (61647)	FEN- THION WATER FLTRD (UG/L) (38801)	FLUME- TRALIN WATER FLTRD (UG/L) (61592)	FONOFOS OXYGEN ANALOG WATER FLTRD (UG/L) (61649)	HEXA- ZINONE, WATER, DISS, REC (UG/L) (04025)	HYDROXY METHYL- PENDI- METH- LION FLT REC (UG/L) (61665)	IPRO- DIONE WATER FLTRD REC (UG/L) (61593)	ISO-FEN- PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA- CYHALO- THRIN WATER FLTRD REC (UG/L) (61595)	MALA- OXON WATER FLTRD REC (UG/L) (61652)
01374490	07-09-01	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<.142	<.0034	<.0089	<.0080
0137449494	07-09-01	<.0290	<.0079	<.015	<.0040	<.0021	<.01	<.1430	<.142	<.0034	<.0089	<.0080
01374657	07-10-01	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<.149	<.0023	<.0017	<.0025
01374657	07-10-01	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<.149	<.0023	<.0017	<.0025
01374920	07-11-01	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<.149	<.0023	<.0017	<.0025
0137492010	07-11-01	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<.149	<.0023	<.0017	<.0025
0137492010	07-11-01	<.0308	<.0041	<.007	<.0011	<.0012	.01	<.0909	<.149	<.0023	<.0017	<.0025
01374921	07-11-01	<.0308	<.0041	<.007	<.0011	<.0012	.01	<.0909	<.149	<.0023	<.0017	<.0025
0137498340	07-12-01	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<.149	<.0023	<.0017	<.0025
0137498340	07-12-01	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<.149	<.0023	<.0017	<.0025
01374984	07-12-01	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<.149	<.0023	<.0017	<.0025
0137498420	07-12-01	<.0308	<.0041	<.007	<.0011	<.0012	.01	<.0909	<.149	<.0023	<.0017	<.0025
01374985	07-12-01	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<.149	<.0023	<.0017	<.0025
01374986	07-12-01	<.0308	<.0041	<.007	<.0011	<.0012	<.0041	<.0909	<.149	<.0023	<.0017	<.0025
01374987	07-12-01	<.0308	<.0041	<.007	<.0011	<.0012	.01	<.0909	<.149	<.0023	<.0017	<.0025
STATION NUMBER	DATE	META- LAXYL WATER FLTRD REC (UG/L) (61596)	METHI- DATHION WATER FLTRD REC (UG/L) (61598)	MYCLO- BUTANIL WATER FLTRD REC (UG/L) (61599)	O-ETHYL O-METHY S-PROPY -HIOATE WAT FLT REC (UG/L) (61660)	OXY- FLUOR- FEN WATER FLTRD REC (UG/L) (61600)	PARA- OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA- OXON METHYL WATER FLTRD REC (UG/L) (61664)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	PHOSMET WATER FLTRD REC (UG/L) (61601)	PHOSTE- BUPIRIM WATER FLTRD REC (UG/L) (61602)
01374490	07-09-01	<.0051	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055
0137449494	07-09-01	<.0051	<.0058	<.0080	<.0083	<.0073	<.0080	<.0299	<.0973	<.0553	<.0079	<.0055
01374657	07-10-01	.0304	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
01374657	07-10-01	.0291	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
01374920	07-11-01	<.0041	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
0137492010	07-11-01	<.0041	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
0137492010	07-11-01	<.0041	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
01374921	07-11-01	<.0041	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
0137498340	07-12-01	<.0041	<.0026	.0483	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
0137498340	07-12-01	<.0041	<.0026	.0482	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
01374984	07-12-01	<.0041	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
0137498420	07-12-01	<.0041	<.0026	<.0022	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
01374985	07-12-01	<.0041	<.0026	.0176	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
01374986	07-12-01	<.0041	<.0026	.0162	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
01374987	07-12-01	<.0041	<.0026	.0162	<.0056	<.0032	<.0038	<.0192	<.0154	<.0172	<.0018	<.0040
STATION NUMBER	DATE	PRO- FENOFOS WATER FLTRD REC (UG/L) (61603)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PRO-PET- AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO- TEPP WATER FLTRD REC (UG/L) (61605)	SUL- PROFOS WATER FLTRD REC (UG/L) (38716)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)	TEFLU- THRIN METAB- OLITE FLT REC (UG/L) (61671)	TEFLU- THRIN METAB- OLITE FLT REC (UG/L) (61672)	TEFLU- THRIN WATER FLTRD REC (UG/L) (61606)	TEME- PHOS WATER FLTRD REC (UG/L) (61607)	TER- BUFOS O-ANA- LOGUE WAT FLT REC (UG/L) (61674)
01374490	07-09-01	<.0059	<.01	<.0038	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676
0137449494	07-09-01	<.0059	<.01	<.0038	<.0025	<.0155	<.0063	<.0156	<.0103	<.0077	<.2670	<.0676
01374657	07-10-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
01374657	07-10-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
01374920	07-11-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
0137492010	07-11-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
0137492010	07-11-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
01374921	07-11-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
0137498340	07-12-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
0137498340	07-12-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
01374984	07-12-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
0137498420	07-12-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
01374985	07-12-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
01374986	07-12-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352
01374987	07-12-01	<.0027	<.0040	<.0026	<.0018	<.0040	<.0041	<.0050	<.0062	<.0025	<.0722	<.0352

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2002--Continued

STATION NUMBER	DATE	TER- BUTYL- AZINE, WATER, DISS, REC (UG/L) (04022)	TRANS- CARBOX- YATE WATER FLTRD REC (UG/L) (79843)	TRANS- PROPI- CONA- ZOLE WAT FLT REC (UG/L) (79847)	TRIBU- PHOS WATER FLTRD REC (UG/L) (61610)	Z-DI- METHO- MORPH WATER FLTRD REC (UG/L) (79845)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)
01374490	07-09-01	<.010	<.0335	<.0133	<.0044	<.0457	<.01
0137449494	07-09-01	<.010	<.0335	<.0133	<.0044	<.0457	<.01
01374657	07-10-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
01374657	07-10-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
01374920	07-11-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
0137492010	07-11-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
0137492010	07-11-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
01374921	07-11-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
0137498340	07-12-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
0137498340	07-12-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
01374984	07-12-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
0137498420	07-12-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
01374985	07-12-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
01374986	07-12-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01
01374987	07-12-01	<.009	<.0150	<.0026	<.0016	<.0063	<.01

New York City Reservoirs Pesticide Monitoring Project
(National water-quality assessment program)

Data from 10 surface-water sites (see figure below) sampled in conjunction 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.

Estimated values are those preceded by an E, Catskill Aqueduct sites are those preceded by a c, Delaware Aqueduct sites are those preceded by a d, and replicate samples are those preceded by an *.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

STATION NUMBER	STATION NAME	DATE	TIME	2,6-DI-ETHYL ANILINE	ACETO-CHLOR ESA	ACETO-CHLOR OA	ACETO-CHLOR, WATER
				WAT FLT 0.7 U GF, REC (UG/L) (82660)	FLTRD 0.7 UM GF REC (UG/L) (61029)	FLTRD 0.7 UM GF REC (UG/L) (61030)	FLTRD REC (UG/L) (49260)
c01301900	KENSICO RESERVOIR AT VALHALLA NY	02-13-01	0800	<.002	<.05	<.05	<.004
c01301900	KENSICO RESERVOIR AT VALHALLA NY	04-24-01	0750	<.002	<.05	<.05	<.004
c01301900	KENSICO RESERVOIR AT VALHALLA NY	07-31-01	0815	<.002	<.05	<.05	<.004
d01301900	KENSICO RESERVOIR AT VALHALLA NY	02-13-01	0815	<.002	<.05	<.05	<.004
d01301900	KENSICO RESERVOIR AT VALHALLA NY	04-24-01	0800	<.002	<.05	<.05	<.004
d01301900	KENSICO RESERVOIR AT VALHALLA NY	07-31-01	0830	<.002	<.05	<.05	<.004
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	02-12-01	1100	<.002	<.05	<.05	<.004
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	04-23-01	1020	<.002	<.05	<.05	<.004
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	07-30-01	1020	<.002	<.05	<.05	<.004
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	02-12-01	0800	<.002	<.05	<.05	<.004
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	04-23-01	1130	<.002	<.05	<.05	<.004
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	07-30-01	1230	<.002	<.05	<.05	<.004
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	02-12-01	0900	<.002	<.05	<.05	<.004
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	04-23-01	0910	<.002	<.05	<.05	<.004
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	07-30-01	0940	<.002	<.05	<.05	<.004
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	02-13-01	1045	<.002	<.05	<.05	<.004
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	04-24-01	1115	<.002	<.05	<.05	<.004
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	07-31-01	1005	<.002	<.05	<.05	<.004
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	02-13-01	0930	<.002	<.05	<.05	<.004
*01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	02-13-01	0931	<.002	<.05	<.05	<.004
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	04-24-01	0950	<.002	<.05	<.05	<.004
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-31-01	0905	<.002	<.05	<.05	<.004
01415200	DIVERSION FROM PEPACTON RESERVOIR	02-12-01	0950	<.002	<.05	<.05	<.004
01415200	DIVERSION FROM PEPACTON RESERVOIR	04-23-01	0955	<.002	<.05	<.05	<.004
01415200	DIVERSION FROM PEPACTON RESERVOIR	07-30-01	0910	<.002	<.05	<.05	<.004
*01415200	DIVERSION FROM PEPACTON RESERVOIR	07-30-01	0915	<.002	<.05	<.05	<.004
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	02-12-01	0930	<.002	<.05	<.05	<.004
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	04-23-01	1250	<.002	<.05	<.05	<.004
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	07-30-01	1020	<.002	<.05	<.05	<.004
01435800	DIVERSION FROM NEVERSINK RESERVOIR	04-23-01	1020	<.002	<.05	<.05	<.004
01435800	DIVERSION FROM NEVERSINK RESERVOIR	07-30-01	0810	<.002	<.05	<.05	<.004

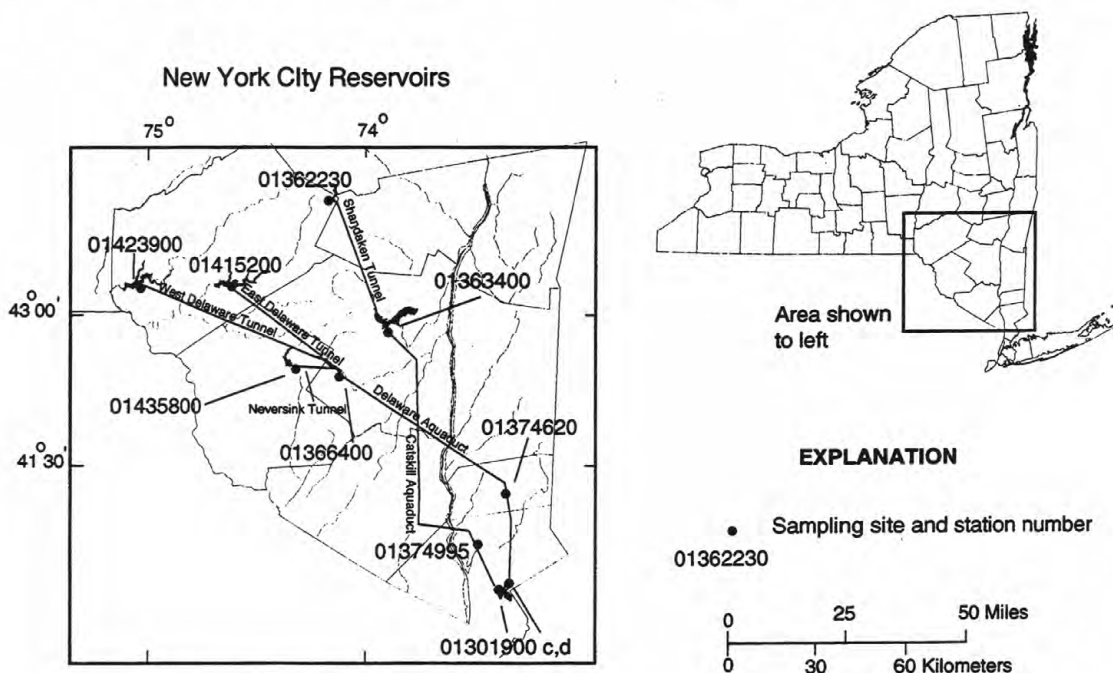


Figure 12.--Location of sites within the New York City reservoir system that were sampled for pesticide analysis.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

STATION NUMBER	DATE	ALA- CHLOR, OA FLTRD 0.7 U GF REC (UG/L) (61031)	ALA- CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)
01301900	02-13-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01301900	04-24-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01301900	07-31-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01301900	02-13-01	<.05	<.050	<.002	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018
01301900	04-24-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01301900	07-31-01	<.05	<.050	<.002	<.005	E.006	<.010	<.002	<.041	<.020	<.005	<.018
01362230	02-12-01	<.05	<.050	<.002	<.005	E.003	<.010	<.002	<.041	<.020	<.005	<.018
01362230	04-23-01	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01362230	07-30-01	<.05	<.050	<.002	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018
01363400	02-12-01	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01363400	04-23-01	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01363400	07-30-01	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01366400	02-12-01	<.05	<.050	<.002	<.005	E.007	<.010	<.002	<.041	<.020	<.005	<.018
01366400	04-23-01	<.05	<.050	<.002	<.005	.008	<.010	<.002	<.041	<.020	<.005	<.018
01366400	07-30-01	<.05	<.050	<.002	<.005	.007	<.010	<.002	<.041	<.020	<.005	<.018
01374620	02-13-01	<.05	<.050	<.002	<.005	E.007	<.010	<.002	<.041	<.020	<.005	<.018
01374620	04-24-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01374620	07-31-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01374995	02-13-01	<.05	<.050	<.002	<.005	E.003	<.010	<.002	<.041	<.020	<.005	<.018
01374995	02-13-01	<.05	<.050	<.002	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018
01374995	04-24-01	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01374995	07-31-01	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01415200	02-12-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01415200	04-23-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01415200	07-30-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01415200	07-30-01	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005	<.018
01423900	02-12-01	<.05	<.050	<.002	<.005	.021	<.010	<.002	<.041	<.020	<.005	<.018
01423900	04-23-01	<.05	<.050	<.002	<.005	.008	<.010	<.002	<.041	<.020	<.005	<.018
01423900	07-30-01	<.05	<.050	<.002	<.005	.009	<.010	<.002	<.041	<.020	<.005	<.018
01435800	04-23-01	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
01435800	07-30-01	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018
STATION NUMBER	DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DIMETH- ENAMID OXA, WATER FLT, REC (UG/L) (62482)	DIMETH- ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUFEN- ACET, ESA, WAT FLT (UG/L) (61952)
01301900	02-13-01	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01301900	04-24-01	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01301900	07-31-01	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01301900	02-13-01	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01301900	04-24-01	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01301900	07-31-01	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01362230	02-12-01	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01362230	04-23-01	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01362230	07-30-01	<.003	E.002	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01363400	02-12-01	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01363400	04-23-01	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01363400	07-30-01	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01366400	02-12-01	<.003	E.005	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01366400	04-23-01	<.003	E.005	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01366400	07-30-01	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01374620	02-13-01	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01374620	04-24-01	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01374620	07-31-01	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01374995	02-13-01	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01374995	02-13-01	<.003	E.005	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01374995	04-24-01	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01374995	07-31-01	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01415200	02-12-01	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01415200	04-23-01	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01415200	07-30-01	<.003	E.002	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01415200	07-30-01	<.003	E.002	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01423900	02-12-01	<.003	E.009	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01423900	04-23-01	<.003	E.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01423900	07-30-01	<.003	E.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01435800	04-23-01	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05
01435800	07-30-01	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005	<.05

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

STATION NUMBER	DATE	FLUFE- NACET OXA WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLT RD 0.7 U (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U (UG/L) (82667)	METOLA- CHLOR ESA FLT RD 0.7 UM (UG/L) (61043)	METOLA- CHLOR OA FLT RD 0.7 UM (UG/L) (61044)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)
01301900	02-13-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.001	<.006
01301900	04-24-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.003	<.006
01301900	07-31-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.004	<.006
01301900	02-13-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.002	<.006
01301900	04-24-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	E.003	<.006
01301900	07-31-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.004	<.006
01362230	02-12-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.05	<.05	E.002	<.006
01362230	04-23-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.002	<.006
01362230	07-30-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01363400	02-12-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01363400	04-23-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01363400	07-30-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01366400	02-12-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	E.004	<.006
01366400	04-23-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	E.005	<.006
01366400	07-30-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.05	<.05	E.005	<.006
01374620	02-13-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	E.003	<.006
01374620	04-24-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	E.003	<.006
01374620	07-31-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.004	<.006
01374995	02-13-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01374995	02-13-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01374995	04-24-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01374995	07-31-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01415200	02-12-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.001	<.006
01415200	04-23-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.002	<.006
01415200	07-30-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.004	<.006
01415200	07-30-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01423900	02-12-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.19	<.05	.013	<.006
01423900	04-23-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.19	.06	E.008	<.006
01423900	07-30-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.18	<.05	E.008	<.006
01435800	04-23-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
01435800	07-30-01	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013	<.006
STATION NUMBER	DATE	MOL- INATE WATER FLT RD 0.7 U (UG/L) (82671)	NAPROP- AMIDE WATER FLT RD 0.7 U (UG/L) (82684)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FLT RD 0.7 U (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U (UG/L) (82687)	PHORATE WATER FLT RD 0.7 U (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLT RD 0.7 U (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)
01301900	02-13-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01301900	04-24-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01301900	07-31-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01301900	02-13-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01301900	04-24-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01301900	07-31-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01362230	02-12-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01362230	04-23-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01362230	07-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01363400	02-12-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01363400	04-23-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01363400	07-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01366400	02-12-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01366400	04-23-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01366400	07-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01374620	02-13-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01374620	04-24-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01374620	07-31-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01374995	02-13-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01374995	02-13-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01374995	04-24-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01374995	07-31-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01415200	02-12-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01415200	04-23-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01415200	07-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01415200	07-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01423900	02-12-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01423900	04-23-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01423900	07-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01435800	04-23-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010
01435800	07-30-01	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

New York City Reservoirs Pesticide Monitoring Project--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

STATION	NUMBER	DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
01301900		02-13-01	<.011	<.023	E.004	<.016	<.034	<.017	<.005	<.002	<.009
01301900		04-24-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01301900		07-31-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01301900		02-13-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01301900		04-24-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01301900		07-31-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01362230		02-12-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01362230		04-23-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01362230		07-30-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01363400		02-12-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01363400		04-23-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01363400		07-30-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01366400		02-12-01	<.011	<.023	E.004	<.016	<.034	<.017	<.005	<.002	<.009
01366400		04-23-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01366400		07-30-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374620		02-13-01	<.011	<.023	E.003	<.016	<.034	<.017	<.005	<.002	<.009
01374620		04-24-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374620		07-31-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374995		02-13-01	<.011	<.023	.012	<.016	<.034	<.017	<.005	<.002	<.009
01374995		02-13-01	<.011	<.023	.013	<.016	<.034	<.017	<.005	<.002	<.009
01374995		04-24-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01374995		07-31-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01415200		02-12-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01415200		04-23-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01415200		07-30-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01415200		07-30-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01423900		02-12-01	<.011	<.023	E.006	<.016	<.034	<.017	<.005	<.002	<.009
01423900		04-23-01	<.011	<.023	E.002	<.016	<.034	<.017	<.005	<.002	<.009
01423900		07-30-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01435800		04-23-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01435800		07-30-01	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009

Poughkeepsie Water-Treatment Plant Pesticide Monitoring
(National water-quality assessment program)

Samples were collected at the Poughkeepsie water-treatment plant for pesticide analysis between April and September 2001 in cooperation with the U.S. Department of Agriculture. These data were collected as part of a national effort to characterize pesticide and pesticide degrade occurrence in surface water supplies across the nation.

For many of the samples collected, analysis was performed using three analytical methods - method SH2010, method SH2060, and method LCAA. The results from method SH2010 and method LCAA can be found in the same table. Because method SH2010 and method SH2060 share one or more pesticides, separate tables are provided for each of these methods, so that each compound can be clearly associated with its appropriate method. References for each of these methods can be found in the Introduction to the Hudson NAWQA section.

Data were collected from a raw-water tap at the Poughkeepsie water-treatment plant, and were stored under the USGS station number 414318073562501. Previous data occasionally collected at this raw-water tap were reported under 01372043 - Hudson River Poughkeepsie.

Estimated values are those preceded by an E, values with an M indicate presence verified, not quantified, and replicate samples are those preceded by an * (only noted on first page of appearance).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHODS SH2010 and LCAA

DATE	TIME	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U	ACETO-CHLOR ESA FLTRD GF REC (UG/L) (82660)	ACETO-CHLOR OA FLTRD GF REC (UG/L) (61029)	ACETO-CHLOR WATER FLTRD REC (UG/L) (61030)	ALA-CHLOR OA FLTRD GF REC (UG/L) (49260)	ALA-CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (61031)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (50009)	ALA-CHLOR, BHC DIS- SOLVED (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
		GF, REC (UG/L) (82660)	GF REC (UG/L) (61029)	GF REC (UG/L) (61030)	REC (UG/L) (49260)	GF REC (UG/L) (61031)	GF REC (UG/L) (50009)	REC (UG/L) (46342)	SOLVED (UG/L) (34253)	REC (UG/L) (39632)	GF, REC (UG/L) (82673)	REC (UG/L) (04028)	GF, REC (UG/L) (82680)	
APR														
23...	1330	<.002	<.05	<.05	<.004	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	
*23...	1331	<.002	<.05	<.05	<.004	<.05	<.050	<.002	<.005	E.004	<.010	<.002	<.041	
MAY														
07...	1015	<.002	<.05	<.05	<.004	<.05	<.050	<.002	<.005	E.002	<.010	<.002	<.041	
21...	1400	--	<.05	<.05	--	<.05	<.050	--	--	--	--	--	--	
JUN														
04...	1145	<.002	<.05	<.05	<.004	<.05	.050	<.002	<.005	.019	<.010	<.002	<.041	
18...	1240	<.002	<.05	<.05	<.004	<.05	<.050	.006	<.005	.168	<.010	<.002	<.041	
JUL														
09...	1015	<.002	<.05	<.05	<.004	<.05	<.050	<.002	<.005	.053	<.010	<.002	<.041	
16...	1600	<.002	<.05	<.05	<.004	<.05	<.050	<.002	<.005	.074	<.010	<.002	<.041	
30...	0940	<.002	<.05	<.05	<.004	<.05	<.050	<.002	<.005	.071	<.010	<.002	<.041	
AUG														
13...	1000	<.002	<.05	<.05	<.004	<.05	<.050	<.002	<.005	.072	<.010	<.002	<.041	
27...	1320	<.002	<.05	<.05	<.004	<.05	<.050	<.002	<.005	.069	<.010	<.002	<.041	
SEP														
10...	1010	<.002	<.05	<.05	<.004	<.05	.060	<.002	<.005	.059	<.010	<.002	<.041	
24...	1040	<.002	<.05	<.05	<.004	<.05	<.050	<.002	<.005	.042	<.010	<.002	<.041	
DATE		CARBO-FURAN WATER FLTRD 0.7 U	CHLOR-PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS- SOLVED (UG/L) (39572)	DI-ELDRIN DIS- SOLVED (UG/L) (39381)	DIMETH-ENAMID OKA, WATER FLT, REC (UG/L) (62482)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL-FOTON WATER FLTRD 0.7 U	EPTC WATER FLTRD 0.7 U	ETHAL-FLUR-ALIN WAT FLT 0.7 U	ETHO-PROP WATER FLTRD 0.7 U
		GF, REC (UG/L) (82674)	SOLVED (UG/L) (38933)	REC (UG/L) (04041)	GF, REC (UG/L) (82682)	REC (UG/L) (04040)	SOLVED (UG/L) (39572)	SOLVED (UG/L) (39381)	REC (UG/L) (62482)	WAT FLT (UG/L) (61951)	GF, REC (UG/L) (82677)	GF, REC (UG/L) (82668)	GF, REC (UG/L) (82663)	GF, REC (UG/L) (82672)
APR														
23...		<.020	<.005	<.018	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
*23...		<.020	<.005	<.018	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
MAY														
07...		<.020	<.005	<.018	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
21...		--	--	--	--	--	--	--	<.0500	<.05	--	--	--	--
JUN														
04...		<.020	<.005	<.018	<.003	E.005	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
18...		<.020	<.005	E.008	<.003	E.022	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
JUL														
09...		<.020	<.005	<.018	<.003	E.011	E.004	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
16...		<.020	<.005	<.018	<.003	E.016	E.003	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
30...		<.020	<.005	<.018	<.003	E.019	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
AUG														
13...		<.020	<.005	<.018	<.003	E.019	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
27...		<.020	<.005	<.018	<.003	E.015	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
SEP														
10...		<.020	<.005	<.018	<.003	E.019	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
24...		<.020	<.005	<.018	<.003	E.017	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Poughkeepsie Water-Treatment Plant Pesticide Monitoring--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHODS SH2010 and LCAA--Continued

DATE	FLUFEN- ACET, ESA, WAT FLT (UG/L) (61952)	FLUFE- NACET OXA WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA- CHLOR ESA FLTRD 0.7 UM (UG/L) (61043)	METOLA- CHLOR OA FLTRD 0.7 UM (UG/L) (61044)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
APR													
23...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.09	<.05	E.007	<.006	<.002
23...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.09	<.05	E.006	<.006	<.002
MAY													
07...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.004	<.006	<.002
21...	<.05	<.0500	--	--	--	--	--	--	.05	<.05	--	--	--
JUN													
04...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.11	<.05	.030	<.006	<.002
18...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.11	<.05	.112	<.006	<.002
JUL													
09...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.09	.06	.027	<.006	<.002
16...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	.034	<.006	<.002
30...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.09	.06	.040	<.006	<.002
AUG													
13...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.07	<.05	.046	<.006	<.002
27...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.14	.08	.047	<.006	<.002
SEP													
10...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.07	.06	.040	<.006	<.002
24...	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.10	.07	.026	<.006	<.002
DATE	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
APR													
23...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011
23...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011
MAY													
07...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	E.007	<.011	<.023	<.011
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
04...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011
18...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	.014
JUL													
09...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	E.004
16...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	E.007
30...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	E.005
AUG													
13...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	E.005
27...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	E.004
SEP													
10...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011
24...	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011
DATE	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)							
APR													
23...	<.016	<.034	<.017	<.005	<.002	<.009							
23...	<.016	<.034	<.017	<.005	<.002	<.009							
MAY													
07...	<.016	<.034	<.017	<.005	<.002	<.009							
21...	--	--	--	--	--	--							
JUN													
04...	<.016	<.034	<.017	<.005	<.002	<.009							
18...	.070	<.034	<.017	<.005	<.002	<.009							
JUL													
09...	.024	<.034	<.017	<.005	<.002	<.009							
16...	.022	<.034	<.017	<.005	<.002	<.009							
30...	E.009	<.034	<.017	<.005	<.002	<.009							
AUG													
13...	<.016	<.034	<.017	<.005	<.002	<.009							
27...	<.016	<.034	<.017	<.005	<.002	<.009							
SEP													
10...	<.016	<.034	<.017	<.005	<.002	<.009							
24...	<.016	<.034	<.017	<.005	<.002	<.009							

Poughkeepsie Water-Treatment Plant Pesticide Monitoring--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060

DATE	TIME	2,4-D METHYL- ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS- SOLVED REC (UG/L) (39732)	2,4-DE WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO- FURAN WAT, FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO- FURAN WATER FLTRD REC (UG/L) (50295)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI- CARB SULFONE WAT, FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT, FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO- CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	
APR														
23...	1335	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	<.061	<.022	
*23...	1336	<.086	<.08	<.05	<.06	<.072	<.06	<.16	<.03	<.08	<.074	<.061	<.022	
MAY														
07...	1020	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	
21...	1405	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	<.009	<.025	<.004	
JUN														
04...	1150	<.009	E.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	.010	<.025	<.004	
18...	1245	<.009	E.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.127	<.025	<.004	
JUL														
09...	1020	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	.025	<.025	<.004	
16...	1605	.832	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	.063	<.025	<.004	
30...	0945	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	.044	<.025	<.004	
AUG														
13...	1005	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	.046	<.025	<.004	
27...	1325	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	.038	<.025	<.004	
SEP														
10...	1015	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	E.044	<.025	<.004	
24...	1045	<.009	<.02	<.02	<.01	<1.50	<.01	<.02	<.01	<.04	.028	<.025	<.004	
DATE		BEN- SUL- FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	BRO- MOXYNIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF- FEINE, WATER FLTRD REC (UG/L) (50305)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR- AMBN, METHYL ESTER WATER FLTRD REC (UG/L) (61188)	CHLORI- MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO- THALO- NIL, WAT, FLT GF 0.7U REC (UG/L) (49306)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO- ACID, WAT, FLT GF 0.7U REC (UG/L) (49304)
APR														
23...	<.0482	<.02	<.08	<.06	E.034	<.06	<.06	<.11	<.037	<.05	<.04	<.05	<.07	
*23...	<.0482	<.02	<.08	<.06	E.044	<.06	<.06	<.11	<.037	<.05	<.04	<.05	<.07	
MAY														
07...	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
21...	<.0158	<.01	<.03	<.02	<.010	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
JUN														
04...	<.0158	<.01	<.03	<.02	.057	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
18...	<.0158	M	<.03	<.02	E.019	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
JUL														
09...	<.0158	E.01	<.03	<.02	E.063	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
16...	<.0158	E.01	<.03	<.02	E.046	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
30...	<.0158	E.01	<.03	<.02	.036	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
AUG														
13...	<.0158	<.01	<.03	<.02	.037	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
27...	<.0158	<.01	<.03	<.02	.028	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
SEP														
10...	<.0158	E.01	<.03	<.02	.028	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
24...	<.0158	<.01	<.03	<.02	.029	<.03	<.01	<.02	<.010	<.04	<.01	<.01	<.01	
DATE		DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04039)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (61694)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	HYDROXY ATRA- ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ- AQUIN WATER FLTRD REC (UG/L) (50356)
APR														
23...	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06	E.012	<.103	
*23...	<.087	<.06	<.07	<.10	<.05	<.04	<.06	<.08	<.07	<.0866	<.06	<.193	<.103	
MAY														
07...	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03	<.008	<.016	
21...	<.028	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03	E.005	<.016	
JUN														
04...	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03	E.014	<.016	
18...	<.028	<.01	E.01	<.01	<.01	<.01	<.03	.04	<.03	<.0110	<.03	E.022	<.016	
JUL														
09...	<.028	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03	E.034	<.016	
16...	E.012	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03	E.022	<.016	
30...	E.008	<.01	M	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03	E.025	<.016	
AUG														
13...	E.012	<.01	<.04	<.01	<.01	<.01	<.03	<.01	<.03	<.0110	<.03	E.012	<.016	
27...	E.009	E.01	E.01	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03	E.032	<.016	
SEP														
10...	E.011	<.01	<.04	<.01	<.01	<.01	<.03	E.01	<.03	<.0110	<.03	E.025	<.016	
24...	E.009	M	E.01	<.01	<.01	<.01	<.03	M	<.03	<.0110	<.03	E.019	<.016	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Poughkeepsie Water-Treatment Plant Pesticide Monitoring--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

METHOD SH2060--Continued

DATE	IMAZE- THAPYR WATER FLTRD REC (UG/L) (50407)	IMID- ACLOP- RID WATER FLTRD REC (UG/L) (61695)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL WATER, FLTRD REC (UG/L) (61696)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)
APR													
23...	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07	<.065	<.08
23...	<.088	<.1060	<.07	<.06	<.06	<.057	<.08	<.0102	<.08	<.1138	<.07	<.065	<.08
MAY													
07...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02
21...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02
JUN													
04...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02
18...	<.017	<.0068	<.01	<.02	<.01	<.003	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02
JUL													
09...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02
16...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02
30...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02
AUG													
13...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02
27...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	E.007	<.02
SEP													
10...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02
24...	<.017	<.0068	<.01	<.02	<.01	<.020	<.01	<.0110	<.0044	<.0250	<.01	<.013	<.02

DATE	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE, WATER FLTRD REC (UG/L) (50471)	PRO- POKUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SULFO- MET- RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)	TRI- BENURON METHYL WATER FLTRD REC (UG/L) (61159)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
APR													
23...	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10	<.07	<.10
23...	<.07	<.064	<.02	<.07	<.07	<.064	<.06	<.093	<.039	<.077	<.10	<.07	<.10
MAY													
07...	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01	<.01	<.02
21...	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	<.006	<.01	--	<.02
JUN													
04...	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.003	<.009	<.006	<.01	--	<.02
18...	<.02	<.013	<.01	<.02	<.01	.026	<.01	<.001	<.009	E.050	<.01	<.01	<.02
JUL													
09...	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	.016	<.01	<.01	<.02
16...	<.02	<.013	<.01	<.02	<.01	<.021	<.01	E.004	<.009	.012	<.01	<.01	<.02
30...	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	E.005	<.01	<.01	<.02
AUG													
13...	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	E.005	<.01	<.01	<.02
27...	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	E.004	<.01	<.01	<.02
SEP													
10...	<.02	<.013	<.01	<.02	<.01	<.026	<.01	<.002	<.009	<.003	<.01	<.01	<.02
24...	<.02	<.013	<.01	<.02	<.01	<.021	<.01	<.017	<.009	E.004	<.01	<.01	<.02

UREA 3 (
4-CHLOR
OPHENYL
METHYL
WAT FLT
REC
(UG/L)
(61692)

APR	
23...	<.0915
23...	<.0915
MAY	
07...	<.0242
21...	<.0242
JUN	
04...	<.0242
18...	<.0242
JUL	
09...	<.0242
16...	<.0242
30...	<.0242
AUG	
13...	<.0242
27...	<.0242
SEP	
10...	<.0242
24...	<.0242

DELAWARE 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 12,700 square mile Delaware River basin (DELR) began in 1997. An intensive 3-year data-collection phase began in 1999, with some earlier sampling conducted in 1998. Samples have been collected throughout the Delaware River basin at sites in New York, New Jersey, and Pennsylvania (see figures 13a and 13b). Only data from New York sites are published in this report. Additional data from ground-water, water-column, bed-sediment, and fish-community sampling conducted during 2001 at sites in New Jersey and Pennsylvania can be found in "Water Resources Data New Jersey, Water Year 2001, Volume 3. Water Quality Data", WDR NJ-01-3.

Water-quality data collected from Delaware River at Port Jervis (01434000), the DELR fixed-monitoring site in New York, and at Neversink River near Claryville (01435000), are published after the surface-water data in the continuous-record section of this report. This includes nutrients, pesticides, major ions, and dissolved organic carbon. Only those pesticides detected in at least one sample from any site (in NY, NJ, or PA) are presented. Samples collected from the Delaware River at Port Jervis on April 5, June 29, and August 10 were also analyzed for volatile organic compounds (VOCs). Only those VOCs detected in at least one sample from any site in NY, NJ, or PA are presented.

Water-quality data were also collected at the following New York surface-water sites: Callicoon Creek at Callicoon (01427500), Halfway Brook at Barryville (01432180), and Mongaup River at Mongaup (01433510). These data were collected during May and during August as part of synoptic surveys of nutrients, pesticides, major ions, and dissolved organic carbon. In addition, temperature data were collected during August-September from the sites at Callicoon, Barryville, and Claryville. Synoptic survey data for Callicoon Creek, Halfway Brook, and Mongaup River and temperature data for all four sites are reported in the section titled 'Analyses of Samples Collected at Water-Quality Miscellaneous Sites'.

Nine wells in NY were sampled to assess the status of ground-water quality, as part of a study of 16 NY, NJ, and PA wells sampled in the glaciofluvial deposits of the New England, Valley and Ridge, and Appalachian Plateau Physiographic Provinces (see figure 14). Samples were tested for physical characteristics, nutrients, major ions, trace elements, dissolved and volatile organic compounds (VOCs), pesticides (including their metabolites), and radioisotopes. Data are reported in the section titled 'Quality of Ground-Water'. Only those pesticides and VOCs detected in at least one ground-water or surface-water sample from any site are listed.

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

DELAWARE RIVER BASIN

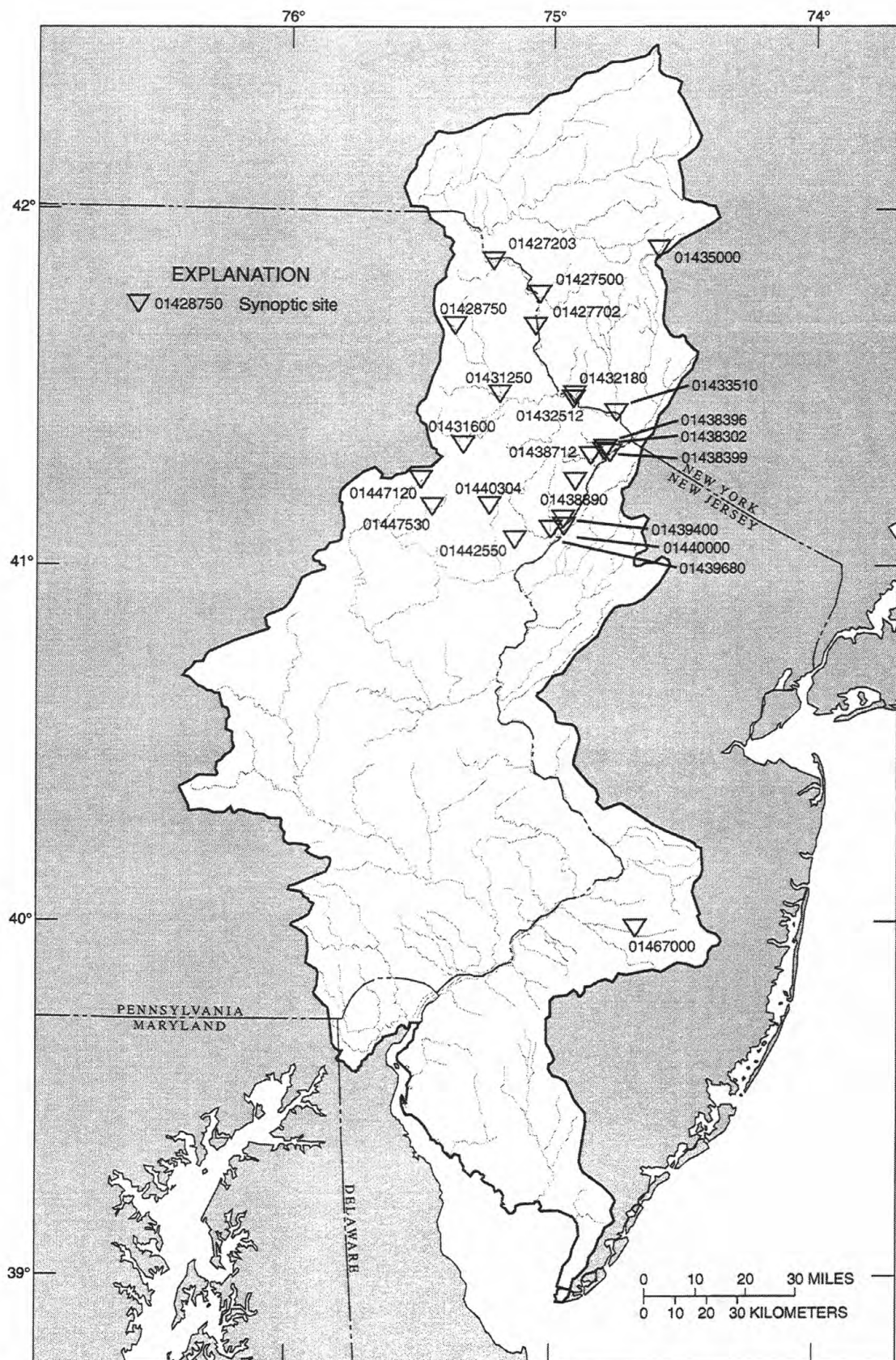


Figure 13a.--Surface-water synoptic sampling sites - Delaware River basin.

**Surface-water synoptic sampling-Delaware River basin
(National water-quality assessment program)**

Miscellaneous water-quality sites are locations where non-routine water-quality data are collected during one year for use in hydrologic analyses. Data are collected either intermittently or systematically for a limited period of time. Water-quality data presented in this table were collected by the Delaware River Basin National Water-Quality Assessment Program (DELR NAWQA) as part of two basin-wide surveys of nutrients, pesticides, major ions, and organic carbon, during periods of base flow; the first survey was May 7 through May 16, 2001, and the second was August 20 through August 29, 2001. Selected samples were analyzed for pesticides with laboratory schedule 2001. Only pesticides identified by the analyses in one or more samples from any site (in NY, NJ, or PA) are listed in the following table. Only data for sites in NY are reported in this table. For the complete data set, including sites in NJ and PA, see "Water Resources Data New Jersey, Water Year 2001, Volume 3. Water-Quality Data", WDR NJ-01-3.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLE TYPE	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)		
01427500 CALLICOON CREEK AT CALLICOON NY (LAT 41 45 39N LONG 075 02 55W)														
MAY 2001														
10...	1250	ENVIRONMENTAL	E46	717	146	13.1	9.4	134	27.5	17.6	31	9.80		
AUG														
23...	1310	ENVIRONMENTAL	E16	739	120	10.9	8.6	155	21.0	18.2	38	11.7		
01432180 HALFWAY BROOK AT BARRYVILLE NY (LAT 41 28 38N LONG 074 54 39W)														
MAY 2001														
09...	1520	ENVIRONMENTAL	18	751	--	--	7.2	123	27.0	15.6	18	5.11		
AUG														
22...	1450	ENVIRONMENTAL	1.5	752	102	9.2	7.4	185	E25.0	19.9	26	7.37		
01433510 MONGAUP RIVER AT MONGAUP NY (LAT 41 25 36N LONG 074 45 22W)														
MAY 2001														
09...	0920	ENVIRONMENTAL	--	757	107	12.0	6.9	106	14.0	9.9	18	5.56		
AUG														
23...	1240	ENVIRONMENTAL	--	752	100	9.1	7.3	107	22.3	19.1	20	5.98		
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
01427500 CALLICOON CREEK AT CALLICOON NY (LAT 41 45 39N LONG 075 02 55W)														
MAY 2001														
10...	1.68	1.65	9.8	19	13	5	19.3	<.2	1.0	8.0	.21	.47	<.041	
AUG														
23...	2.19	1.85	13.4	27	28	2	26.7	<.2	1.4	8.3	.16	.20	<.040	
01432180 HALFWAY BROOK AT BARRYVILLE NY (LAT 41 28 38N LONG 074 54 39W)														
MAY 2001														
09...	1.30	.66	14.7	6	8	--	24.1	<.2	3.0	8.1	.10	.12	<.040	
AUG														
22...	1.92	.78	23.3	19	24	--	38.1	E.1	3.5	7.8	E.08	.17	<.040	
01433510 MONGAUP RIVER AT MONGAUP NY (LAT 41 25 36N LONG 074 45 22W)														
MAY 2001														
09...	1.11	.97	11.4	5	7	--	19.4	<.2	2.8	7.1	.16	.19	<.040	
AUG														
23...	1.25	.95	10.6	9	11	--	18.7	<.2	1.7	6.8	.15	.19	<.040	

E Estimated value.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Surface-water synoptic sampling-Delaware River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL DIS- SOLVED (MG/L AS P) (00665)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
01427500 CALLICOON CREEK AT CALLICOON NY (LAT 41 45 39N LONG 075 02 55W)													
MAY 2001 10...	.85	.59	.382	.007	.015	<.018	.034	2.4	84	64	--	<13	20
AUG 23...	.55	.51	.353	<.006	.030	E.017	.034	1.7	96	84	<2.0	14	20
22...	--	--	E.028	<.006	.026	.019	.033	3.3	69	59	<2.0	E8	20
01432180 HALFWAY BROOK AT BARRYVILLE NY (LAT 41 28 38N LONG 074 54 39W)													
MAY 2001 09...	.18	.15	.055	.021	.009	<.020	.015	2.2	78	61	<2.0	E7	30
AUG 22...	.31	--	.135	<.006	.016	E.011	.027	1.5	102	95	<2.0	E10	40
01433510 MONGAUP RIVER AT MONGAUP NY (LAT 41 25 36N LONG 074 45 22W)													
MAY 2001 09...	.50	.47	.311	.009	.006	<.020	.019	3.1	77	53	<2.0	E8	30
AUG 23...	.40	.37	.213	<.006	E.005	<.020	.008	2.8	67	52	<2.0	<13	M
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	ACETO- CHLOR. WATER, FLTRD REC (UG/L) (49260)	ALA- CHLOR. WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DI- AZINON, DIS- SOLVED (UG/L) (39572)
01427500 CALLICOON CREEK AT CALLICOON NY (LAT 41 45 39N LONG 075 02 55W)													
MAY 2001 10...	4.8	--	4	<.004	<.002	<.005	E.006	<.010	<.041	<.020	<.005	<.003	<.005
AUG 23...	8.3	--	1	<.004	<.002	<.005	E.006	<.010	<.041	<.020	<.005	<.003	<.005
01432180 HALFWAY BROOK AT BARRYVILLE NY (LAT 41 28 38N LONG 074 54 39W)													
MAY 2001 09...	13.3	.05	1	<.004	<.002	<.005	<.007	<.010	<.041	<.020	<.005	<.003	<.005
AUG 22...	23.5	.01	3	<.004	<.002	<.005	<.007	<.010	<.041	<.020	<.005	<.003	<.005
01433510 MONGAUP RIVER AT MONGAUP NY (LAT 41 25 36N LONG 074 45 22W)													
MAY 2001 09...	14.0	--	3	<.004	<.002	<.005	<.007	<.010	<.041	<.020	<.005	<.003	<.005
AUG 23...	<3.0	--	2	<.004	<.002	<.005	.011	<.010	<.041	<.020	<.005	<.003	<.005

E Estimated value.

M Presence verified, not quantified.

Surface-water synoptic sampling-Delaware River basin--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
01427500 CALLICOON CREEK AT CALLICOON NY (LAT 41 45 39N LONG 075 02 55W)													
MAY 2001													
10...	<.005	<.002	<.004	<.035	<.027	<.050	<.013	<.006	<.002	<.007	<.003	<.010	<.016
AUG 23...	<.005	<.002	<.004	<.035	<.027	<.050	<.013	<.006	<.002	<.007	<.003	<.010	<.016
01432180 HALFWAY BROOK AT BARRYVILLE NY (LAT 41 28 38N LONG 074 54 39W)													
MAY 2001													
09...	<.005	<.002	<.004	<.035	<.027	<.050	<.013	<.006	<.002	<.007	<.003	<.010	<.016
AUG 22...	<.005	<.002	<.004	<.035	<.027	<.050	<.013	<.006	<.002	<.007	<.003	<.010	<.016
01433510 MONGAUP RIVER AT MONGAUP NY (LAT 41 25 36N LONG 074 45 22W)													
MAY 2001													
09...	<.005	<.002	<.004	<.035	<.027	<.050	<.013	<.006	<.002	<.007	<.003	<.010	<.016
AUG 23...	<.005	<.002	<.004	<.035	<.027	<.050	E.004	<.006	<.002	<.007	<.003	<.010	<.016
DATE TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665) THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681) TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)													
01427500 CALLICOON CREEK AT CALLICOON NY (LAT 41 45 39N LONG 075 02 55W)													
MAY 2001													
10...		<.034	<.005	<.009									
AUG 23...		<.034	<.005	<.009									
01432180 HALFWAY BROOK AT BARRYVILLE NY (LAT 41 28 38N LONG 074 54 39W)													
MAY 2001													
09...		<.034	<.005	<.009									
AUG 22...		<.034	<.005	<.009									
01433510 MONGAUP RIVER AT MONGAUP NY (LAT 41 25 36N LONG 074 45 22W)													
MAY 2001													
09...		<.034	<.005	<.009									
AUG 23...		<.034	<.005	<.009									

E Estimated value.

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

DELAWARE RIVER BASIN

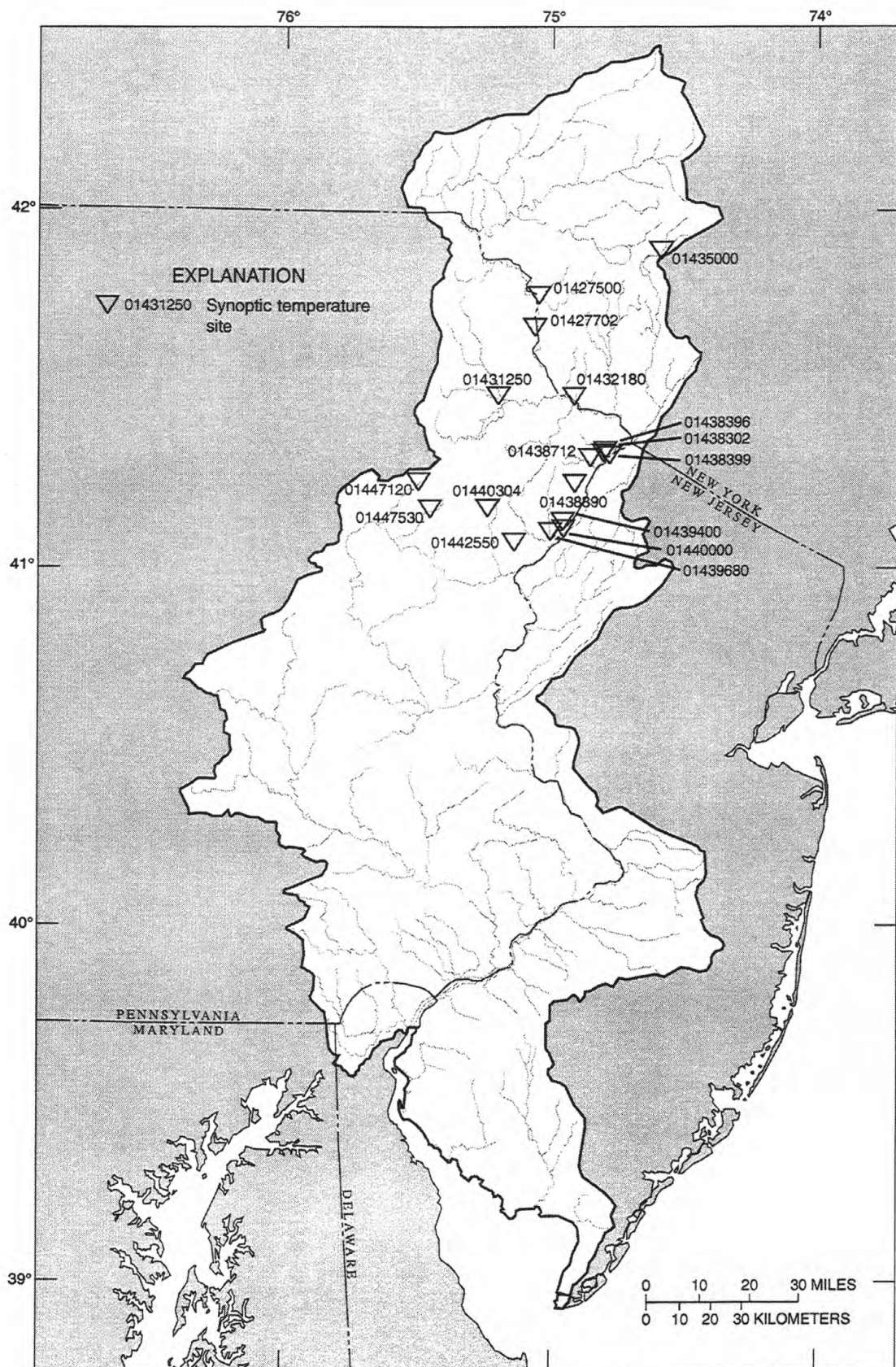


Figure 13b.--Continuous water-temperature synoptic sites - Delaware River basin.

Continuous water-temperature data-Delaware River basin
(National water-quality assessment program)

Continuous water-temperature data were collected at the Delaware River Basin National Water-Quality Assessment (DELNR NAWQA) synoptic sites from August 1 through September 19, 2001 (see figure 13b). These data were collected to coincide with ecological data that were being collected during that time frame at most of these sites. Each site was instrumented with an in situ, submersible, water-temperature logger that was programmed to record every 30 minutes. Only data from NY sites are provided in this table. For the complete data set, including sites in NJ and PA, see "Water Resources Data New Jersey, Water Year 2001, Volume 3. Water-Quality Data", WDR NJ-01-3.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

01427500 CALLICOON CREEK AT CALLICOON, NY (LAT 41 45 39N LONG 07502 55W)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	22.5	18.0	20.5
2	---	---	---	---	---	---	25.5	18.5	21.5	21.0	15.0	17.5
3	---	---	---	---	---	---	23.5	20.0	21.5	21.5	14.0	17.5
4	---	---	---	---	---	---	24.5	20.0	22.0	20.0	16.0	17.5
5	---	---	---	---	---	---	25.5	20.0	22.5	21.0	15.0	17.5
6	---	---	---	---	---	---	26.5	19.5	22.5	20.5	13.5	16.5
7	---	---	---	---	---	---	27.0	20.5	23.0	21.0	14.0	17.0
8	---	---	---	---	---	---	26.0	21.0	23.0	21.5	15.0	18.0
9	---	---	---	---	---	---	27.5	20.5	23.0	23.0	17.0	19.0
10	---	---	---	---	---	---	23.5	21.5	22.5	20.5	18.0	19.0
11	---	---	---	---	---	---	22.5	20.0	21.5	21.5	16.5	18.5
12	---	---	---	---	---	---	21.5	20.0	21.0	21.0	14.5	17.0
13	---	---	---	---	---	---	23.0	20.5	21.5	20.5	14.5	17.0
14	---	---	---	---	---	---	23.0	19.0	21.0	18.0	14.0	16.0
15	---	---	---	---	---	---	24.0	18.0	21.0	17.5	11.5	14.0
16	---	---	---	---	---	---	23.5	18.5	21.0	18.0	11.5	14.0
17	---	---	---	---	---	---	23.5	20.0	21.5	---	---	---
18	---	---	---	---	---	---	22.0	18.5	20.0	---	---	---
19	---	---	---	---	---	---	23.5	18.5	20.5	---	---	---
20	---	---	---	---	---	---	24.5	20.0	21.5	---	---	---
21	---	---	---	---	---	---	22.0	18.5	20.5	---	---	---
22	---	---	---	---	---	---	24.0	17.5	20.0	---	---	---
23	---	---	---	---	---	---	19.5	17.0	18.0	---	---	---
24	---	---	---	---	---	---	23.0	17.0	19.5	---	---	---
25	---	---	---	---	---	---	23.5	16.0	19.0	---	---	---
26	---	---	---	---	---	---	22.5	17.0	19.5	---	---	---
27	---	---	---	---	---	---	21.5	19.0	20.0	---	---	---
28	---	---	---	---	---	---	22.0	17.0	19.0	---	---	---
29	---	---	---	---	---	---	23.5	18.0	20.0	---	---	---
30	---	---	---	---	---	---	20.5	16.5	18.5	---	---	---
31	---	---	---	---	---	---	23.5	18.5	20.5	---	---	---
MONTH	---	---	---	---	---	---	27.5	16.0	20.9	---	---	---

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Continuous water-temperature data-Delaware River basin--Continued
(National water-quality assessment program)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

01432180 HALFWAY BROOK AT BARRYVILLE, NY (LAT 41 28 38N LONG 074 54 39W)

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

01435000 NEVERSINK RIVER NEAR CLARYVILLE, NY (LAT 41 53 24N LONG 074 35 25W)

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

**Ground water in the glaciofluvial deposits within the New England, Valley and Ridge,
and Appalachian Plateau physiographic provinces
(National water-quality assessment program)**

The following table contains site, water-level, and water-quality data from 9 wells in NY that were sampled as part of a network of 16 domestic and monitoring wells in NY, NJ, and PA (see figure 14). The network was established as part of the National Water-Quality Assessment (NAWQA) Program in the Delaware River Basin (DELR).

The wells were sampled to assess the status of ground-water quality in the glaciofluvial deposits of the New England, Valley and Ridge, and Appalachian Plateau Physiographic Provinces. Samples were tested for physical characteristics, nutrients, major ions, trace elements, dissolved and volatile organic compounds (VOCs), pesticides (including their metabolites), and radioisotopes. Many VOCs and pesticide constituents were not detected at any of the 16 wells.

Only data from NY sites are reported here. The complete data set can be found in "Water Resources Data New Jersey, Water Year 2001, Volume 3. Water Quality Data", WDR NJ-01-3. Only VOCs and pesticide compounds measured at or above the reporting levels at one or more sites (either surface water or ground water) of the DELR NAWQA Project are listed in the water-quality table.

Estimated values are those preceded by an E, and M indicates presence verified, not quantified.

WATER-QUALITY CONTROL DATA

As part of the water-quality sampling for the DELR NAWQA, an extensive quality-assurance plan was executed to ensure the integrity of the sample results. Quality-control samples were collected as blanks, including ambient, trip, source-solution, and equipment blanks; replicates; and spikes (both field and lab). These quality-control samples were analyzed for nutrients, major ions, trace elements, dissolved and volatile organic compounds, pesticides and their metabolites, and radioisotopes. Source-solution blanks were analyzed for volatile organic compounds (VOCs), and spikes were analyzed for pesticides and VOCs.

QUALITY OF GROUND WATER

Ground water in the glaciofluvial deposits within the New England, Valley and Ridge, and Appalachian Plateau physiographic provinces--Continued
(National water-quality assessment program)

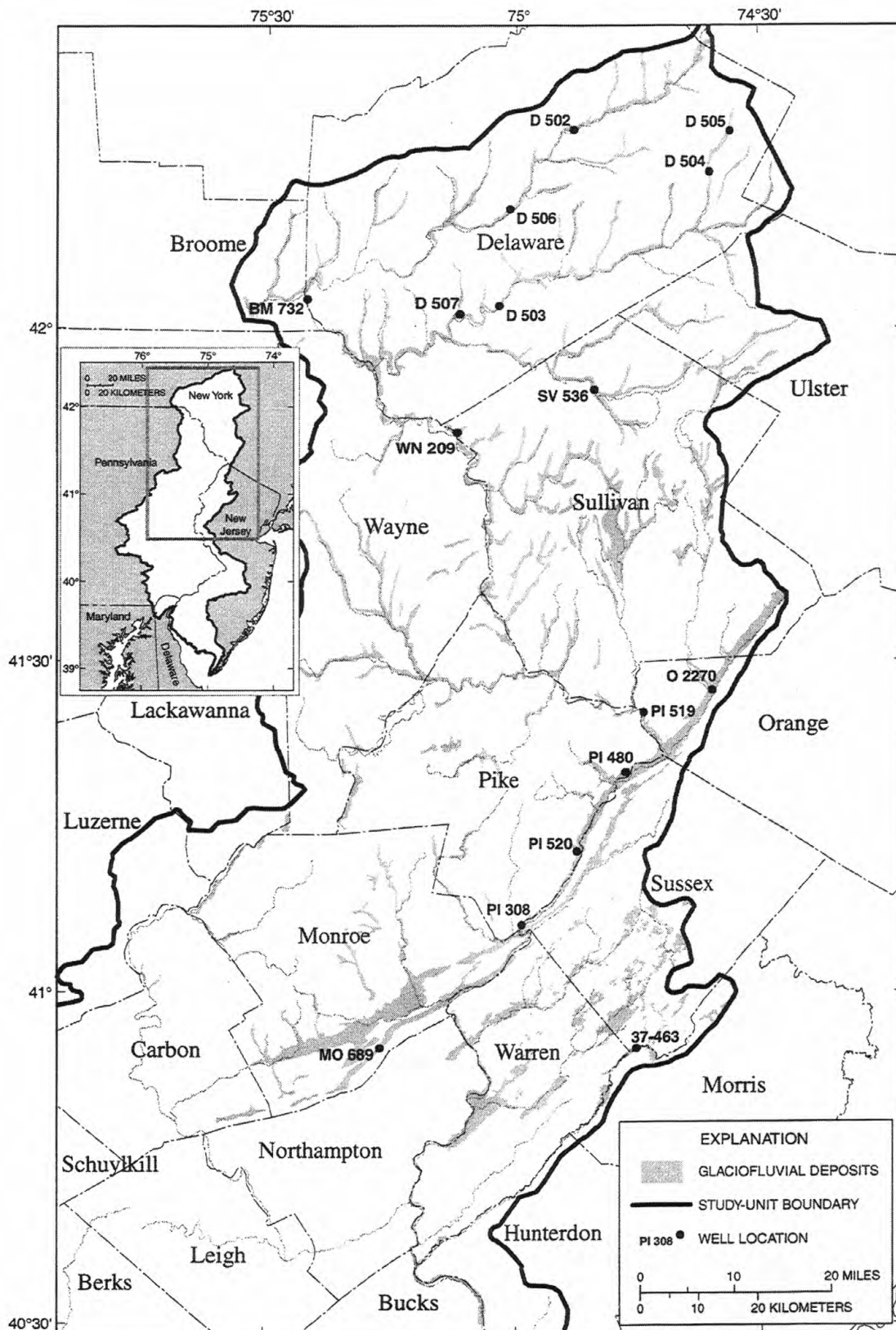


Figure 14.--Ground-water sampling sites - Delaware River basin

QUALITY OF GROUND WATER

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Ground water in the glaciofluvial deposits within the New England, Valley and Ridge,
and Appalachian Plateau physiographic provinces--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

					AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	
LOCAL ID	STATION NUMBER	DATE	TIME	SAMPLE TYPE						
BROOME COUNTY NY										
BM 732	420244075251101	07-26-01	1200	ENVIRONMENTAL	1028	1028	1000	22	9.54	
DELAWARE COUNTY NY										
D 502	421758074524101	07-24-01	1200	ENVIRONMENTAL	1028	1028	1380	25.5	21.55	
D 503	420207075020401	07-30-01	1100	ENVIRONMENTAL	1028	1028	1080	120	15.98	
D 504	421409074355701	07-31-01	1100	ENVIRONMENTAL	1028	1028	1540	45	18.17	
D 505	421747074332301	08-14-01	1300	ENVIRONMENTAL	1028	1028	1500	70.4	3.73	
		08-14-01	1301	REPLICATE	80020	1028	1500	70.4	3.73	
D 506	421052075004501	08-14-01	1304	REPLICATE	80020	1028	1500	70.4	3.73	
D 507	420125075064801	08-15-01	1400	ENVIRONMENTAL	1028	1028	1280	128	38.70	
		08-01-01	1200	ENVIRONMENTAL	1028	1028	1034	23	15.71	
ORANGE COUNTY NY										
O 2270	412722074354501	08-09-01	1200	ENVIRONMENTAL	1028	1028	500	28	20.00	
		08-09-01	1201	REPLICATE	80020	1028	500	28	20.00	
		08-09-01	1210	REPLICATE	80020	1028	500	28	20.00	
SULLIVAN COUNTY NY										
SV 536	415429074501101	07-23-01	1100	ENVIRONMENTAL	1028	1028	1460	125	32.61	
LOCAL ID	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD) (UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
BROOME COUNTY NY										
BM 732	15	2.1	6.0	115	11.0	32	8.82	2.44	1.08	7.9
DELAWARE COUNTY NY										
D 502	13	6.6	6.2	174	15.4	65	19.3	4.00	1.24	7.1
D 503	3.7	5.8	5.8	221	11.4	75	17.3	7.67	1.07	9.4
D 504	1.3	10.2	6.5	153	11.0	45	14.6	2.18	.70	11.0
D 505	1.4	4.5	6.5	74	14.6	27	8.53	1.43	.69	3.1
	1.4	4.5	6.5	74	14.6	--	--	--	--	--
D 506	1.4	4.5	6.5	74	14.6	--	--	--	--	--
D 507	4.9	7.6	6.3	86	13.0	31	7.98	2.70	1.01	3.4
	.4	7.3	5.8	349	12.2	48	13.9	3.24	2.64	43.5
ORANGE COUNTY NY										
O 2270	.5	5.5	5.9	143	15.2	35	10.3	2.10	.82	11.3
	.5	5.5	5.9	143	15.2	35	10.4	2.10	.83	11.4
	.5	5.5	5.9	143	15.2	--	--	--	--	--
SULLIVAN COUNTY NY										
SV 536	2.4	.6	7.5	138	11.8	64	20.0	3.42	.68	2.2

QUALITY OF GROUND WATER

Ground water in the glaciofluvial deposits within the New England, Valley and Ridge,
and Appalachian Plateau physiographic provinces--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL ID	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
BROOME COUNTY NY										
BM 732	18	.02	15.2	<.2	4.5	8.6	59	62	<.040	<.10
DELAWARE COUNTY NY										
D 502	29	.02	9.0	<.2	8.3	14.1	128	109	<.040	E.07
D 503	20	.05	34.0	<.2	10.2	11.6	162	125	<.040	<.10
D 504	44	.02	19.0	<.2	7.3	9.7	105	100	<.040	<.10
D 505	22	.02	3.9	<.2	5.2	4.8	41	42	<.040	<.10
	22	--	--	--	--	--	--	--	--	--
D 506	22	--	--	--	--	--	--	--	--	--
D 507	21	<.01	5.2	<.2	5.2	8.4	42	50	E.036	<.10
	22	.04	83.9	<.2	4.2	9.1	205	178	<.040	E.05
ORANGE COUNTY NY										
O 2270	14	.03	24.3	<.2	5.2	9.1	99	78	<.040	<.10
	14	.03	24.1	<.2	5.3	8.9	99	77	<.040	<.10
	14	--	--	--	--	--	--	--	--	--
SULLIVAN COUNTY NY										
SV 536	57	<.01	4.6	.2	5.0	1.6	75	73	<.040	<.10
LOCAL ID	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TOTAL COLI- FORM, M ENDO (COL/ 100 ML) (31501)	E COLI, NA-MUG, WATER (COL/ 100 ML) (50278)	ALUM- INUM, DIS- SOLVED (MG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (MG/L AS SB) (01095)
BROOME COUNTY NY										
BM 732	.442	<.006	--	.007	<.020	E.28	E8	<1	<1	<.05
DELAWARE COUNTY NY										
D 502	6.29	<.006	--	E.004	<.020	.43	>80	<1	<1	E.03
D 503	4.89	<.006	--	.014	E.012	.37	<1	--	2	<.05
D 504	2.02	<.006	--	.011	E.009	E.27	<1	--	<1	.06
D 505	.333	<.006	--	.006	<.020	.41	<1	--	<1	<.05
	--	--	--	--	--	E.32	--	--	--	--
D 506	.651	<.006	--	<.006	<.020	E.29	<1	--	<1	E.03
D 507	1.01	<.006	--	.006	<.020	E.27	<1	--	2	<.05
ORANGE COUNTY NY										
O 2270	1.36	<.006	--	.010	<.020	E.23	E2	<1	1	<.05
	1.36	<.006	--	.010	<.020	--	--	--	--	--
	--	--	--	--	--	--	--	--	<1	<.05
SULLIVAN COUNTY NY										
SV 536	.210	<.006	.144	.054	.047	1.2	E2	<1	<1	<.05

QUALITY OF GROUND WATER

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Ground water in the glaciofluvial deposits within the New England, Valley and Ridge,
and Appalachian Plateau physiographic provinces--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL ID	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	BARIUM, DIS- SOLVED (µG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE) (01010)	BORON, DIS- SOLVED (µG/L AS B) (01020)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	COBALT, DIS- SOLVED (µG/L AS CO) (01035)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)
BROOME COUNTY NY										
BM 732	<.2	33.2	<.06	7	<.04	<.8	.03	10.6	190	.31
DELAWARE COUNTY NY										
D 502	E.1	76.7	<.06	10	<.04	<.8	.06	86.8	120	.38
D 503	E.1	32.4	<.06	8	E.04	<.8	.03	11.5	10	.48
D 504	.6	38.1	<.06	9	<.04	<.8	.03	21.0	40	1.03
D 505	.2	15.9	<.06	8	<.04	<.8	.02	<.2	<10	<.08
	--	--	--	--	--	--	--	--	--	--
D 506	E.1	20.1	<.06	8	<.04	<.8	2.04	<.2	570	<.08
D 507	<.2	69.8	<.06	15	E.02	<.8	.06	52.5	110	1.86
ORANGE COUNTY NY										
O 2270	E.1	75.8	<.06	10	<.04	<.8	.04	31.6	10	2.02
	--	--	--	--	--	--	--	--	10	--
	E.1	77.3	<.06	11	<.04	<.8	.04	35.1	--	2.29
SULLIVAN COUNTY NY										
SV 536	E.2	8.0	<.06	<7	<.04	<.8	.02	2.0	M	<.08
LOCAL ID	LITHIUM DIS- SOLVED (µG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO) (01060)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (µG/L AS SE) (01145)	SILVER, DIS- SOLVED (µG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (µG/L AS SR) (01080)	THAL- LIUM, DIS- SOLVED (µG/L AS TL) (01057)	VANA- DIUM, DIS- SOLVED (µG/L AS V) (01085)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)
BROOME COUNTY NY										
BM 732	E.2	5.9	<.2	.11	<.3	<1.0	29.2	<.04	<.2	4
DELAWARE COUNTY NY										
D 502	.8	7.7	<.2	<.06	E.2	<1.0	60.2	<.04	<.2	15
D 503	2.0	9.9	<.2	.68	E.2	<1.0	67.8	<.04	<.2	8
D 504	.6	2.0	<.2	<.06	<.3	<1.0	45.5	<.04	<.2	4
D 505	E.3	11.1	.4	.08	<.3	<1.0	28.7	<.04	<.2	<1
	--	--	--	--	--	--	--	--	--	--
D 506	.4	157	<.2	5.10	<.3	<1.0	20.1	<.04	E.2	2
D 507	E.3	4.0	<.2	.17	<.3	<1.0	45.1	<.04	<.2	14
ORANGE COUNTY NY										
O 2270	E.2	6.3	<.2	<.06	E.2	<1.0	48.5	<.04	<.2	24
	--	--	--	--	--	--	--	--	--	--
	E.2	7.5	<.2	.06	<.3	<1.0	48.2	<.04	<.2	19
SULLIVAN COUNTY NY										
SV 536	.4	8.2	<.2	<.06	E.2	<1.0	28.9	<.04	<.2	2

QUALITY OF GROUND WATER

Ground water in the glaciofluvial deposits within the New England, Valley and Ridge,
and Appalachian Plateau physiographic provinces--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL ID	ACETO- CHLOR ESA FLTRD 0.7 µM GF REC (µG/L) (61029)	ACETO- CHLOR OA FLTRD 0.7 µM GF REC (µG/L) (61030)	ACETO- CHLOR, WATER FLTRD REC (µG/L) (49260)	ALA- CHLOR OA FLTRD 0.7 µM GF REC (µG/L) (61031)	ALA- CHLOR, (ESA) WAT FLT GF 0.7U REC (µG/L) (50009)	ALA- CHLOR, WATER, DISS, REC, (µG/L) (46342)	ALPHA BHC DIS- SOLVED (µG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (µG/L) (39632)	CAF- FEINE, WATER FLTRD REC (µG/L) (50305)
BROOME COUNTY NY									
BM 732	<.05	<.05	<.004	<.05	<.050	<.002	<.005	E.004	<.010
DELAWARE COUNTY NY									
D 502	<.05	<.05	<.004	<.05	<.050	<.002	<.005	.013	<.010
D 503	<.05	<.05	<.004	<.05	.080	<.002	<.005	<.007	<.010
D 504	<.05	<.05	<.004	<.05	<.050	<.002	<.005	E.006	<.010
D 505	<.05	<.05	<.004	<.05	<.050	<.002	<.005	<.007	<.010
	<.05	<.05	<.004	<.05	<.050	<.002	<.005	<.007	<.010
D 506	--	--	--	--	--	--	--	--	--
D 507	<.05	<.05	<.004	<.05	<.050	<.002	<.005	E.011	<.010
	<.05	<.05	<.004	<.05	<.050	<.002	<.005	<.007	<.010
ORANGE COUNTY NY									
O 2270	<.05	<.05	<.004	<.05	<.050	<.002	<.005	<.007	<.010
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
SULLIVAN COUNTY NY									
SV 536	<.05	<.05	<.004	<.05	<.050	<.002	<.005	<.007	E.004
LOCAL ID	CAR- BARYL WATER FLTRD 0.7 µ GF, REC (µG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 µ GF, REC (µG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (µG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (µG/L) (04041)	DCPA WATER FLTRD 0.7 µ GF, REC (µG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (µG/L) (04040)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (µG/L) (04038)	DI- AZINON, DIS- SOLVED (µG/L) (39572)	DI- ELDRIN DIS- SOLVED (µG/L) (39381)
BROOME COUNTY NY									
BM 732	<.041	<.020	<.005	<.018	<.003	E.004	<.04	<.005	<.005
DELAWARE COUNTY NY									
D 502	<.041	<.020	<.005	<.018	<.003	E.022	<.04	<.005	<.005
D 503	<.041	<.020	<.005	<.018	<.003	<.006	<.04	<.005	<.005
D 504	<.041	<.020	<.005	<.018	<.003	E.002	<.04	<.005	<.005
D 505	<.041	<.020	<.005	<.018	<.003	E.003	<.04	<.005	<.005
	<.041	<.020	<.005	<.018	<.003	E.003	<.04	<.005	<.005
D 506	--	--	--	--	--	--	--	--	--
D 507	<.041	<.020	<.005	<.018	<.003	E.004	E.01	<.005	<.005
	<.041	<.020	<.005	<.018	<.003	<.006	<.04	<.005	<.005
ORANGE COUNTY NY									
O 2270	<.041	<.020	<.005	<.018	<.003	<.006	<.04	<.005	<.005
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
SULLIVAN COUNTY NY									
SV 536	<.041	<.020	<.005	<.018	<.003	<.006	<.04	<.005	<.005

QUALITY OF GROUND WATER

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Ground water in the glaciofluvial deposits within the New England, Valley and Ridge,
and Appalachian Plateau physiographic provinces--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL ID	DIMETH- ENAMID OXA, WATER FLT, REC (µG/L) (62482)	DIMETH- ENAMID, ESA, WAT FLT (µG/L) (61951)	EPTC WATER FLTRD 0.7 µ GF, REC (µG/L) (82668)	FLUFEN- ACET, ESA, WAT FLT (µG/L) (61952)	FLUFE- NACET OXA WATER FLT, REC (µG/L) (62483)	IMAZ- AQUIN WATER FLTRD REC (µG/L) (50356)	LINDANE DIS- SOLVED (µG/L) (39341)	LIN- URON WATER FLTRD 0.7 µ GF, REC (µG/L) (82666)	MALA- THON, DIS- SOLVED (µG/L) (39532)
BROOME COUNTY NY									
BM 732	<.0500	<.05	<.002	<.05	<.0500	<.016	<.004	<.035	<.027
DELAWARE COUNTY NY									
D 502	<.0500	<.05	<.002	<.05	<.0500	<.016	<.004	<.035	<.027
D 503	<.0500	<.05	<.002	<.05	<.0500	<.016	<.004	<.035	<.027
D 504	<.0500	<.05	<.002	<.05	<.0500	<.016	<.004	<.035	<.027
D 505	<.0500	<.05	<.002	<.05	<.0500	E.021	<.004	<.035	<.027
	<.0500	<.05	<.002	<.05	<.0500	E.019	<.004	<.035	<.027
D 506	--	--	--	--	--	--	--	--	--
D 507	<.0500	<.05	<.002	<.05	<.0500	<.016	<.004	<.035	<.027
	<.0500	<.05	<.002	<.05	<.0500	<.016	<.004	<.035	<.027
ORANGE COUNTY NY									
O 2270	<.0500	<.05	<.002	<.05	<.0500	<.016	<.004	<.035	<.027
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
SULLIVAN COUNTY NY									
SV 536	<.0500	<.05	<.002	<.05	<.0500	<.016	<.004	<.035	<.027
LOCAL ID	METHYL AZIN- PHOS WAT FLT 0.7 µ GF, REC (µG/L) (82686)	METOLA- CHLOR ESA FLTRD 0.7 µM GF REC (µG/L) (61043)	METOLA- CHLOR OA FLTRD 0.7 µM GF REC (µG/L) (61044)	METO- LACHLOR WATER DISSOLV (µG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (µG/L) (82630)	MOL- INATE WATER FLTRD 0.7 µ GF, REC (µG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 µ GF, REC (µG/L) (82684)	P,P' DDE DISSOLV (µG/L) (34653)	PENDI- METH- ALIN WAT FLT 0.7 µ GF, REC (µG/L) (82683)
BROOME COUNTY NY									
BM 732	<.050	.17	<.05	<.013	<.006	<.002	<.007	<.003	<.010
DELAWARE COUNTY NY									
D 502	<.050	1.27	<.05	<.013	<.006	<.002	<.007	<.003	<.010
D 503	<.050	.67	<.05	<.013	<.006	<.002	<.007	<.003	<.010
D 504	<.050	.26	<.05	<.013	<.006	<.002	<.007	<.003	<.010
D 505	<.050	<.05	<.05	<.013	<.006	<.002	<.007	<.003	<.010
	<.050	<.05	<.05	<.013	<.006	<.002	<.007	<.003	<.010
D 506	--	--	--	--	--	--	--	--	--
D 507	<.050	<.05	<.05	<.013	<.006	<.002	<.007	<.003	<.010
	<.050	<.05	<.05	<.013	<.006	<.002	<.007	<.003	<.010
ORANGE COUNTY NY									
O 2270	<.050	<.05	<.05	<.013	<.006	<.002	<.007	<.003	<.010
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
SULLIVAN COUNTY NY									
SV 536	<.050	<.05	<.05	<.013	<.006	<.002	<.007	<.003	<.010

QUALITY OF GROUND WATER

Ground water in the glaciofluvial deposits within the New England, Valley and Ridge,
and Appalachian Plateau physiographic provinces--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL ID	PRO- METON, WATER, DISS, REC (µG/L) (04037)	SI- MAZINE, WATER, DISS, REC (µG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 µ GF, REC (µG/L) (82670)	TER- BACIL WATER FLTRD 0.7 µ GF, REC (µG/L) (82665)	THIO- BENCARB WATER FLTRD 0.7 µ GF, REC (µG/L) (82681)	TRI- FLUR- ALIN WAT FLT 0.7 µ GF, REC (µG/L) (82661)	1,1,1- TRI- CHLORO- ETHANE TOTAL (µG/L) (34506)	1,1-DI- CHLORO- ETHANE TOTAL (µG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (µG/L) (34501)
BROOME COUNTY NY									
BM 732	<.015	<.011	<.016	<.034	<.005	<.009	<.03	<.04	<.04
DELAWARE COUNTY NY									
D 502	<.015	<.011	<.016	<.034	<.005	<.009	<.03	<.04	<.04
D 503	<.015	<.011	<.016	<.034	<.005	<.009	<.03	<.04	<.04
D 504	<.015	<.011	<.016	<.034	<.005	<.009	<.03	<.04	<.04
D 505	<.015	<.011	<.016	<.034	<.005	<.009	<.03	<.04	<.04
	<.015	<.011	<.016	<.034	<.005	<.009	--	--	--
D 506	--	--	--	--	--	--	<.03	<.04	<.04
D 507	<.015	<.011	<.016	<.034	<.005	<.009	<.03	<.04	<.04
	<.015	<.011	<.016	<.034	<.005	<.009	<.03	<.04	<.04
ORANGE COUNTY NY									
O 2270	<.015	<.011	<.016	<.034	<.005	<.009	<.03	<.04	<.04
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
SULLIVAN COUNTY NY									
SV 536	<.015	<.011	<.016	<.034	<.005	<.009	<.03	<.04	<.04
LOCAL ID	ACETONE WATER WHOLE TOTAL (µG/L) (81552)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (µG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (µG/L) (34551)	BENZENE 124-TRI METHYL UNFLTRD RECOVER (µG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (µG/L) (77226)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34571)	ISO- PROPYL- BENZENE WATER WHOLE REC (µG/L) (77223)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34536)
BROOME COUNTY NY									
BM 732	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03
DELAWARE COUNTY NY									
D 502	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03
D 503	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03
D 504	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03
D 505	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03
	--	--	--	--	--	--	--	--	--
D 506	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03
D 507	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03
ORANGE COUNTY NY									
O 2270	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
SULLIVAN COUNTY NY									
SV 536	<7	<.3	<.2	<.06	<.04	<.03	<.05	<.03	<.03

QUALITY OF GROUND WATER

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Ground water in the glaciofluvial deposits within the New England, Valley and Ridge,
and Appalachian Plateau physiographic provinces--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL ID	BENZENE TOTAL (µG/L) (34030)	BROMO- FORM TOTAL (µG/L) (32104)	CARBON DI- SULFIDE WATER WHOLE TOTAL (µG/L) (77041)	CHLORO- BENZENE TOTAL (µG/L) (34301)	CHLORO- DI- BROMO- METHANE TOTAL (µG/L) (32105)	CHLORO- FORM TOTAL (µG/L) (32106)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (µG/L) (77093)	BROMO- DI- CHLORO- METHANE TOTAL (µG/L) (32101)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (µG/L) (34668)
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BROOME COUNTY NY

BM 732	<.04	<.06	<.07	<.03	<.2	<.02	<.04	<.05	<.3
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DELAWARE COUNTY NY

D 502	<.04	<.06	<.07	<.03	<.2	<.02	<.04	<.05	<.3
D 503	<.04	<.06	<.07	<.03	<.2	<.02	<.04	<.05	E.6
D 504	<.04	<.06	<.07	<.03	<.2	<.02	<.04	<.05	<.3
D 505	<.04	<.06	<.07	<.03	<.2	E.03	<.04	<.05	<.3
	--	--	--	--	--	--	--	--	--

D 506	<.04	<.06	<.07	<.03	<.2	E.04	<.04	<.05	<.3
D 507	<.04	<.06	<.07	<.03	<.2	<.02	<.04	<.05	<.3

ORANGE COUNTY NY

O 2270	<.04	<.06	<.07	<.03	<.2	<.02	<.04	<.05	<.3
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--

SULLIVAN COUNTY NY

SV 536	<.04	<.06	<.07	<.03	<.2	<.02	<.04	<.05	<.3
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LOCAL ID	ETHER ETHYL WATER UNFLTRD RECOVER (µG/L) (81576)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (µG/L) (50005)	ETHER- BENZENE TOTAL (µG/L) (34371)	FREON- 113 WATER UNFLTRD REC (µG/L) (77652)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (µG/L) (81607)	METHYL TERT- BUTYL ETHER WAT UNF REC (µG/L) (78032)	METHYL- CHLO- RIDE TOTAL (µG/L) (34418)	METHYL ENE CHLO- RIDE TOTAL (µG/L) (34423)	META/ PARA- XYLENE WATER UNFLTRD REC (µG/L) (85795)
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BROOME COUNTY NY

BM 732	<.2	<.1	<.03	<.06	<.2	<.2	<.2	<.2	<.06
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DELAWARE COUNTY NY

D 502	<.2	<.1	<.03	<.06	<.2	<.2	<.2	<.2	<.06
D 503	<.2	<.1	<.03	<.06	<.2	<.2	<.2	<.2	<.06
D 504	<.2	<.1	<.03	<.06	<.2	<.2	<.2	<.2	<.06
D 505	<.2	<.1	<.03	<.06	<.2	<.2	<.2	<.2	<.06
	--	--	--	--	--	--	--	--	--

D 506	<.2	<.1	<.03	<.06	<.2	<.2	<.2	<.2	<.06
D 507	<.2	<.1	<.03	<.06	<.2	<.2	<.2	<.2	<.06

ORANGE COUNTY NY

O 2270	<.2	<.1	<.03	<.06	<.2	E.1	<.2	<.2	<.06
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--

SULLIVAN COUNTY NY

SV 536	<.2	<.1	<.03	<.06	<.2	<.2	<.2	<.2	<.06
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QUALITY OF GROUND WATER

Ground water in the glaciofluvial deposits within the New England, Valley and Ridge,
and Appalachian Plateau physiographic provinces--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL ID	O- CHLORO- TOLUENE WATER WHOLE TOTAL (µG/L) (77275)	O- XYLENE WATER WHOLE TOTAL (µG/L) (77135)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (µG/L) (77356)	TETRA- CHLORO- ETHYL- ENE TOTAL (µG/L) (34475)	TOLUENE TOTAL (µG/L) (34010)	TRI- CHLORO- ETHYL- ENE TOTAL (µG/L) (39180)	TRI- CHLORO- FLUORO- METHANE TOTAL (µG/L) (34488)	RADON 222 TOTAL (PCI/L) (82303)	URANIUM NATURAL DIS- SOLVED (µG/L AS U) (22703)
BROOME COUNTY NY									
BM 732	<.03	<.04	<.07	<.1	<.05	<.04	<.09	1640	<.02
DELAWARE COUNTY NY									
D 502	<.03	<.04	<.07	<.1	<.05	<.04	<.09	1290	<.02
D 503	<.03	<.04	<.07	<.1	<.05	<.04	<.09	719	<.02
D 504	<.03	<.04	<.07	<.1	<.05	<.04	<.09	1640	.06
D 505	<.03	<.04	<.07	<.1	<.05	<.04	<.09	1520	.03
	--	--	--	--	--	--	--	--	--
	<.03	<.04	<.07	<.1	<.05	<.04	<.09	--	--
D 506	<.03	<.04	<.07	<.1	<.05	<.04	<.09	1090	<.02
D 507	<.03	<.04	<.07	<.1	<.05	<.04	<.09	1120	<.02
ORANGE COUNTY NY									
O 2270	<.03	<.04	<.07	<.1	<.05	<.04	<.09	576	E.02
	--	--	--	--	--	--	--	546	--
	--	--	--	--	--	--	--	--	E.02
SULLIVAN COUNTY NY									
SV 536	<.03	<.04	<.07	<.1	<.05	<.04	<.09	2280	.24

Pepacton Watershed Baseflow - Water-quality Network

Introduction

In 2000, the U.S. Geological Survey, in cooperation with the New York State Department of Environmental Conservation, developed two stream-baseflow-monitoring networks within the Pepacton Watershed, which contributes part of New York City's water supply. Stream baseflow is largely sustained by ground-water discharge and thus provides an indication of shallow ground-water quality in basins that meet selection criteria. The two sampling networks include a small-basin network and a valley-segment network (see figure below and on following page). All samples were analyzed for major ions, selected trace elements, nutrients and dissolved organic carbon (DOC). In each sample, orthophosphorus concentrations were measured twice; once as part of the suite of nutrient analyses and once individually at a lower detection limit. The low detection-limit phosphorus sample results are presented in a separate table with a sample time five minutes after that designated for the corresponding major ion, nutrient, and DOC analysis. A subset of sites from both networks was sampled for commonly used pesticides, including agricultural pesticides and their degradates. Those results are presented in a following table.

The small-basin network includes 20 small streams (less than or equal to 10 mi² basin area) that cover the range of land use within the watershed. All sites were sampled approximately seasonally (winter, spring, summer, fall) from December 2000 through October 2001. A subset of three index sites was sampled approximately monthly from December 2000 through November 2001 (except January, February, April, and September 2001).

The valley-segment network consists of nine upvalley-downvalley pairs of stream sites in the larger valleys of the watershed. Baseflow samples from these sites, and from selected tributaries within some segments, were used to estimate ground-water discharge and quality contributions from the valley aquifers. The network was sampled in both July and August 2001.

Estimated values are those preceded by an E, values with an M indicate presence verified, not quantified, and replicate samples are those preceded by an * (only noted on first page of appearance).

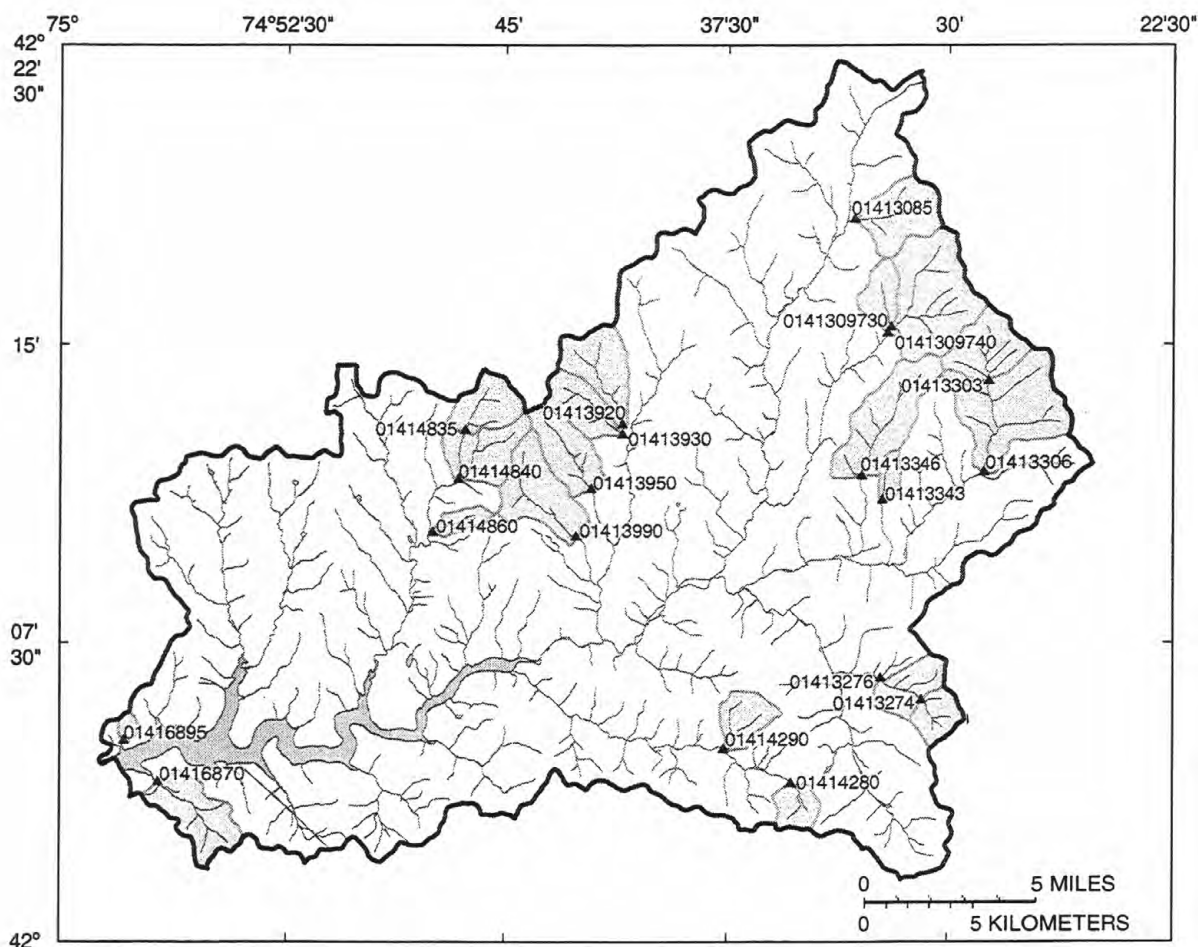


Figure 15a.--Location of small-basin surface-water sites monitored for the Pepacton Watershed baseflow water-quality network.

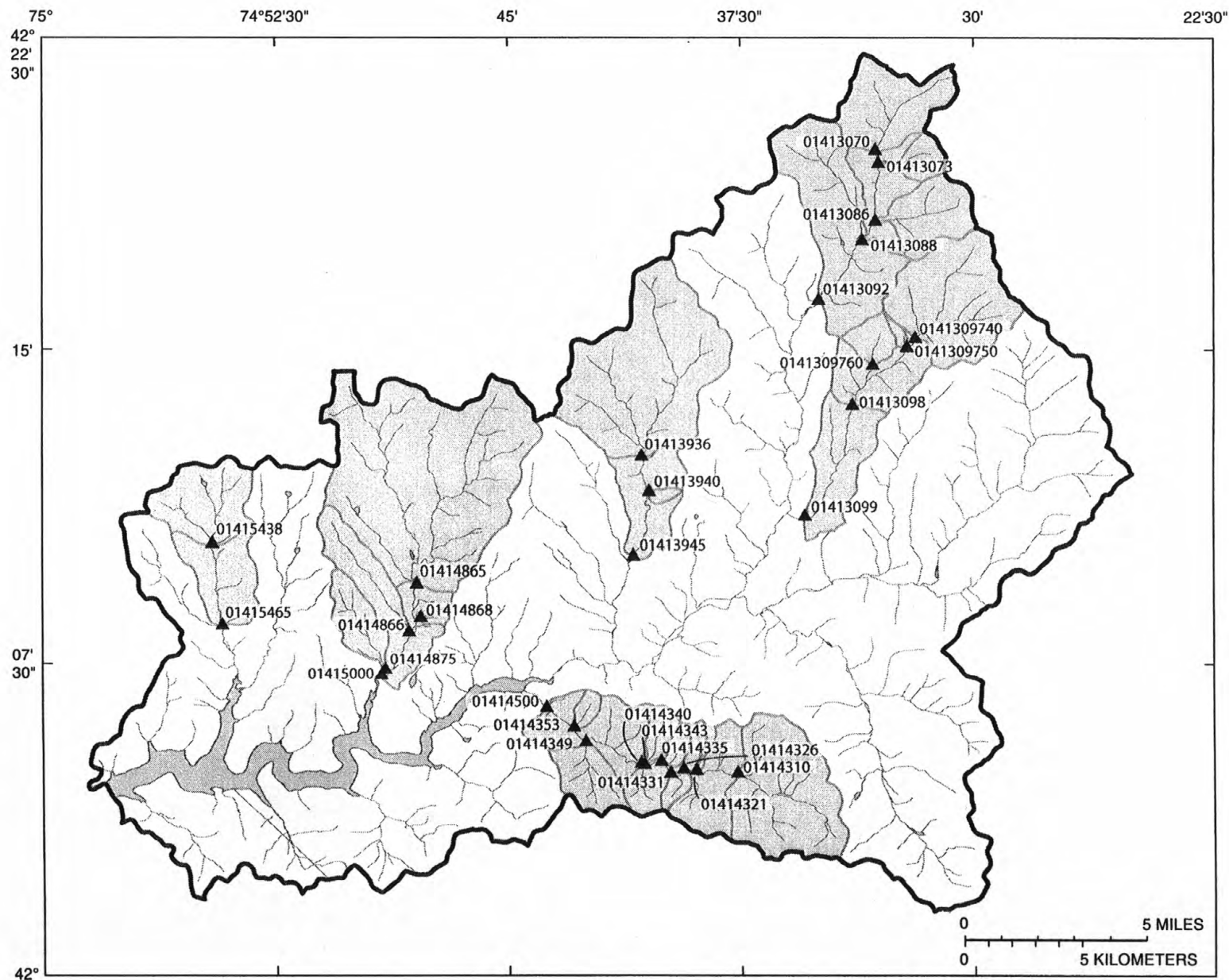


Figure 15b.--Location of valley-segment surface-water sites monitored for the Pepacton Watershed baseflow water-quality network.

Pepacton Watershed Baseflow - Water-quality Network--Continued

SMALL-BASIN NETWORK

STATION NUMBER	STATION NAME	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	12-04-00	0940	1.9	6.9	48	--
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	05-03-01	0940	--	6.8	39	9.6
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	07-19-01	0915	.51	6.8	51	13.2
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	10-22-01	1320	.10	6.5	56	9.5
0141309730	TRIBUTARY TO BATAVIA KILL, AT VEGA NY	12-04-00	1100	.84	7.1	73	--
0141309730	TRIBUTARY TO BATAVIA KILL, AT VEGA NY	05-03-01	0850	--	7.0	57	10.9
0141309730	TRIBUTARY TO BATAVIA KILL, AT VEGA NY	07-19-01	1030	.13	7.0	95	15.0
0141309730	TRIBUTARY TO BATAVIA KILL, AT VEGA NY	10-22-01	1355	.50	6.9	102	10.6
0141309740	BATAVIA KILL BELOW VEGA NY	12-04-00	1140	9.7	6.8	47	--
0141309740	BATAVIA KILL BELOW VEGA NY	05-03-01	0905	--	6.6	39	10.6
0141309740	BATAVIA KILL BELOW VEGA NY	07-19-01	1110	2.4	6.8	56	16.6
0141309740	BATAVIA KILL BELOW VEGA NY	07-19-01	1111	2.4	6.8	56	16.6
0141309740	BATAVIA KILL BELOW VEGA NY	10-22-01	1415	--	6.8	62	11.2
0141309740	BATAVIA KILL BELOW VEGA NY	10-22-01	1416	--	6.8	62	11.2
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	12-07-00	1400	E2.5	6.7	30	1.7
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	03-27-01	1045	--	6.5	28	1.5
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	05-03-01	1310	--	6.6	26	10.7
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	07-20-01	0950	.37	6.3	31	10.8
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	08-29-01	1035	--	6.4	36	13.7
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	10-03-01	1200	--	6.5	32	9.8
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	10-22-01	1615	--	6.4	30	8.6
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	11-15-01	1215	--	6.7	30	6.1
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	12-07-00	1340	4.9	6.8	32	1.1
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	05-03-01	1250	--	6.8	30	11.4
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	06-28-01	1500	--	6.8	36	13.3
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	07-20-01	0945	1.5	6.6	39	12.3
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	10-22-01	1630	--	6.9	36	9.4
01413303	VLY CREEK ABOVE HALCOTT CENTER NY	12-07-00	1600	3.3	6.7	40	.1
01413303	VLY CREEK ABOVE HALCOTT CENTER NY	05-03-01	1145	--	6.6	35	14.0
01413303	VLY CREEK ABOVE HALCOTT CENTER NY	07-20-01	0750	.71	6.5	48	12.2
01413303	VLY CREEK ABOVE HALCOTT CENTER NY	10-23-01	1100	--	6.8	49	9.6
01413306	VLY CREEK NEAR HALCOTT CENTER NY	12-04-00	1500	15	7.0	48	--
01413306	VLY CREEK NEAR HALCOTT CENTER NY	05-03-01	1110	--	6.8	38	11.6
01413306	VLY CREEK NEAR HALCOTT CENTER NY	07-19-01	1510	2.0	7.3	56	18.4
01413306	VLY CREEK NEAR HALCOTT CENTER NY	10-23-01	1040	--	6.8	64	7.7
01413343	LITTLE RED KILL ABOVE FLEISCHMANN'S NY	12-04-00	1350	.44	6.7	44	--
01413343	LITTLE RED KILL ABOVE FLEISCHMANN'S NY	05-03-01	1045	--	6.4	47	13.5
01413343	LITTLE RED KILL ABOVE FLEISCHMANN'S NY	07-19-01	1305	.02	6.1	72	24.3
01413343	LITTLE RED KILL ABOVE FLEISCHMANN'S NY	10-22-01	1500	--	6.0	65	11.4
01413346	RED KILL ABOVE FLEISCHMANN'S NY	12-04-00	1300	4.1	6.8	43	--
01413346	RED KILL ABOVE FLEISCHMANN'S NY	05-03-01	1025	--	6.9	33	12.2
01413346	RED KILL ABOVE FLEISCHMANN'S NY	07-19-01	1240	1.1	6.8	52	18.3
01413346	RED KILL ABOVE FLEISCHMANN'S NY	10-22-01	1450	1.0	6.7	42	10.6
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	12-07-00	0750	2.7	6.7	65	.4
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	05-03-01	0915	--	7.3	58	13.8
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	05-03-01	0920	--	7.3	58	13.8
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	07-19-01	1000	.21	--	107	17.1
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	10-22-01	1440	--	7.1	109	11.2
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	12-06-00	1615	2.5	7.1	47	.0
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	03-27-01	0940	--	6.9	70	.0
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	05-03-01	0900	--	7.1	43	10.7
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	06-28-01	1615	--	7.3	61	19.2
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	07-19-01	0930	.48	--	69	14.9
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	08-29-01	1130	--	7.2	80	16.4
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	10-03-01	1600	--	7.4	79	14.2
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	10-22-01	1415	--	6.8	77	10.6
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	11-15-01	1300	--	7.0	70	7.2
01413950	WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	12-06-00	1530	2.8	6.8	48	1.1
01413950	WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	05-03-01	0830	--	6.8	44	9.6
01413950	WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	07-19-01	1045	.40	--	70	15.2
01413950	WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	10-22-01	1400	--	6.5	77	10.5
01413990	BRYANTS BROOK ABOVE DUNRAVEN NY	12-06-00	1050	4.1	7.0	83	.0
01413990	BRYANTS BROOK ABOVE DUNRAVEN NY	05-03-01	1000	--	7.3	92	12.8
01413990	BRYANTS BROOK ABOVE DUNRAVEN NY	07-19-01	1130	.70	--	185	17.1
01413990	BRYANTS BROOK ABOVE DUNRAVEN NY	10-23-01	0830	--	7.2	227	6.9
01414280	MILL BROOK EAST OF BELLE AYR NY	12-07-00	1440	2.5	6.8	36	.1
01414280	MILL BROOK EAST OF BELLE AYR NY	05-03-01	1430	--	7.0	32	12.1
01414280	MILL BROOK EAST OF BELLE AYR NY	07-20-01	0830	.59	--	45	12.5
01414280	MILL BROOK EAST OF BELLE AYR NY	10-22-01	1600	--	6.8	38	8.9
01414290	MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	12-07-00	1205	2.1	7.1	42	.8

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Pepacton Watershed Baseflow - Water-quality Network--Continued

SMALL-BASIN NETWORK--Continued

STATION	NUMBER	DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB AS (MG/L CACO3) (90410)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
01413085		12-04-00	5.33	.848	.33	1.6	13	<.01	1.2	<.2	5.3	5.8	<.041
01413085		05-03-01	4.64	.734	.39	1.5	11	<.01	1.8	<.2	3.8	5.6	<.041
01413085		07-19-01	6.00	.955	.43	2.0	16	--	2.1	<.2	5.3	4.9	<.040
01413085		10-22-01	7.22	1.15	.52	2.5	20	--	3.2	<.1	5.8	5.3	<.040
0141309730		12-04-00	8.77	1.20	.40	2.4	24	<.01	2.6	<.2	4.4	5.8	<.041
0141309730		05-03-01	7.33	1.04	.44	2.3	21	<.01	2.8	<.2	3.0	5.0	<.041
0141309730		07-19-01	12.0	1.53	.38	4.6	39	--	4.1	<.2	4.3	3.4	<.040
0141309730		10-22-01	12.8	1.59	.64	7.0	42	--	6.2	<.1	4.5	5.5	<.040
0141309740		12-04-00	5.12	.893	.38	1.4	13	<.01	1.4	<.2	4.3	5.6	<.041
0141309740		05-03-01	4.71	.840	.41	1.3	12	<.01	1.4	<.2	2.8	5.3	<.041
0141309740		07-19-01	6.93	1.17	.39	2.2	21	--	2.0	<.2	4.3	4.1	<.040
0141309740		07-19-01	6.86	1.14	.46	2.2	21	--	1.8	<.2	4.3	4.2	<.040
0141309740		10-22-01	7.86	1.28	.63	3.0	24	--	3.2	<.1	3.6	5.2	<.040
0141309740		10-22-01	7.81	1.27	.79	3.0	24	--	3.3	E.1	3.6	5.2	<.040
01413274		12-07-00	3.50	.797	.20	.3	7	<.01	.6	<.2	2.8	5.0	<.041
01413274		03-27-01	3.35	.809	.21	.4	7	<.01	.6	<.2	1.7	5.2	<.041
01413274		05-03-01	3.22	.765	.28	.3	7	<.01	.4	<.2	1.8	5.2	<.041
01413274		07-20-01	3.94	.960	.28	.5	9	--	.5	<.2	3.0	5.4	<.040
01413274		08-29-01	4.32	1.04	.28	.6	10	--	.6	<.2	3.3	5.6	E.001
01413274		10-03-01	3.76	.941	.24	.4	8	--	.4	<.1	2.8	4.9	<.040
01413274		10-22-01	4.03	.989	.20	.5	11	--	.6	<.1	2.7	4.8	<.040
01413274		11-15-01	3.76	.972	.26	.5	9	--	.5	<.1	2.1	5.0	<.040
01413276		12-07-00	3.55	.832	.23	.5	8	<.01	.7	<.2	3.0	5.3	<.041
01413276		05-03-01	3.52	.812	.31	.7	8	<.01	.9	<.2	1.8	5.3	<.041
01413276		06-28-01	3.98	.893	.31	.9	9	--	1.1	<.2	3.1	4.7	<.040
01413276		07-20-01	4.41	1.01	.46	1.0	11	--	1.0	<.2	3.2	5.6	<.040
01413276		10-22-01	4.63	1.03	.44	1.3	12	--	1.3	<.1	2.3	5.4	<.040
01413303		12-07-00	4.60	.946	.37	1.1	10	<.01	.9	<.2	4.1	5.6	<.041
01413303		05-03-01	4.12	.826	.42	.9	10	<.01	1.1	<.2	2.5	5.4	<.041
01413303		07-20-01	6.00	1.19	.40	1.5	16	--	1.4	<.2	4.9	5.4	<.040
01413303		10-23-01	6.21	1.27	.67	1.9	17	--	2.1	<.1	4.1	6.0	<.040
01413306		12-04-00	5.09	.997	.44	1.3	13	<.01	1.5	<.2	4.1	5.6	<.041
01413306		05-03-01	4.56	.894	.48	1.2	12	<.01	1.3	<.2	2.6	5.3	<.041
01413306		07-19-01	6.65	1.25	.45	1.9	19	--	2.1	<.2	4.0	4.8	<.040
01413306		10-23-01	8.39	1.62	.78	2.5	25	--	3.7	<.1	3.7	5.2	<.040
01413343		12-04-00	3.67	1.08	.42	1.7	9	<.01	3.2	<.2	3.7	4.9	<.041
01413343		05-03-01	3.74	1.03	.53	2.3	10	<.01	4.0	<.2	1.8	4.9	<.041
01413343		07-19-01	5.54	1.25	.23	5.7	14	--	8.5	<.2	.7	4.3	<.040
01413343		10-22-01	6.74	1.51	.62	3.2	20	--	6.1	<.1	3.5	4.0	<.040
01413346		12-04-00	4.54	1.12	.33	1.1	12	<.01	1.2	<.2	4.3	5.4	<.041
01413346		05-03-01	3.77	.939	.34	1.0	11	<.01	1.1	<.2	2.6	5.3	<.041
01413346		07-19-01	5.98	1.40	.32	2.0	20	--	1.8	<.2	4.0	3.7	<.040
01413346		10-22-01	5.22	1.28	.40	1.5	17	--	1.8	<.1	4.2	4.4	<.040
01413920		12-07-00	6.49	1.64	.83	2.6	17	<.01	3.0	<.2	4.3	6.6	<.041
01413920		05-03-01	6.23	1.53	.80	2.7	19	<.01	3.5	<.2	2.1	5.7	<.041
01413920		05-03-01	6.26	1.56	.86	2.7	19	<.01	3.4	<.2	2.1	5.6	<.041
01413920		07-19-01	11.8	2.79	.95	4.4	42	--	6.2	<.2	3.1	1.7	<.040
01413920		10-22-01	11.0	2.66	1.81	5.2	33	--	11.3	<.1	3.4	4.0	<.040
01413930		12-06-00	4.95	1.25	.33	1.5	13	<.01	1.7	<.2	3.9	5.3	<.041
01413930		03-27-01	6.18	1.45	.35	3.6	13	<.01	7.1	<.2	3.5	5.8	<.041
01413930		05-03-01	4.76	1.22	.37	1.7	13	<.01	2.5	<.2	2.9	5.5	<.041
01413930		06-28-01	6.34	1.45	.64	2.6	19	--	3.4	<.2	4.0	4.2	<.040
01413930		07-19-01	7.22	1.71	.43	3.3	23	--	4.5	<.2	3.9	4.4	<.040
01413930		08-29-01	8.21	1.85	.50	4.0	25	--	5.9	<.2	3.8	5.4	E.006
01413930		10-03-01	7.87	1.85	.65	3.7	24	--	5.9	<.1	3.2	4.9	<.040
01413930		10-22-01	7.89	1.81	.67	3.7	25	--	5.9	<.1	3.6	5.1	<.040
01413930		11-15-01	7.51	1.77	.50	3.5	24	--	5.9	<.1	3.1	5.2	<.040
01413950		12-06-00	5.05	1.36	.50	1.4	12	<.01	1.5	<.2	4.0	6.3	<.041
01413950		05-03-01	5.07	1.37	.40	1.3	14	<.01	2.1	<.2	2.5	5.8	<.041
01413950		07-19-01	7.45	2.00	.67	2.3	24	--	2.8	<.2	3.7	5.0	<.040
01413950		10-22-01	8.18	2.18	1.23	2.8	25	--	4.5	<.1	2.0	6.6	<.040
01413990		12-06-00	6.13	1.58	.55	5.2	15	<.01	7.6	<.2	4.2	7.0	<.041
01413990		05-03-01	6.66	1.56	.63	8.5	15	<.01	14.4	<.2	2.7	6.8	<.041
01413990		07-19-01	11.5	2.60	.63	18.6	26	--	32.5	<.2	3.5	5.9	<.040
01413990		10-23-01	14.3	3.28	1.18	24.3	38	--	43.5	<.1	1.6	7.2	<.040
01414280		12-07-00	5.38	.639	.17	.4	9	<.01	.7	<.2	2.2	5.0	<.041
01414280		05-03-01	4.72	.594	.25	.4	9	<.01	1.0	<.2	1.5	5.0	<.041
01414280		07-20-01	6.63	.841	.22	.5	15	--	1.1	<.2	2.6	4.2	<.040
01414280		10-22-01	5.50	.722	.28	.4	13	--	.9	<.1	2.4	4.8	<.040
01414290		12-07-00	6.12	.929	.34	.5	13	<.01	.8	<.2	3.0	6.0	<.041

Pepacton Watershed Baseflow - Water-Quality Network--Continued

SMALL-BASIN NETWORK--Continued

STATION	NUMBER	DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
01413085		12-04-00	<.10	.326	<.006	E.011	1.1	<13	<10	<3.2
01413085		05-03-01	<.10	.212	<.006	<.018	1.2	<13	<10	<3.2
01413085		07-19-01	<.10	.308	<.006	E.013	1.1	<13	<10	<3.0
01413085		10-22-01	<.10	<.050	<.008	E.013	1.3	<13	<10	E3.1
0141309730		12-04-00	<.10	.069	<.006	<.018	1.4	<13	<10	24.7
0141309730		05-03-01	E.09	.063	<.006	<.018	1.8	<13	M	10.1
0141309730		07-19-01	E.09	.078	<.006	<.020	1.8	E8	<10	8.8
0141309730		10-22-01	E.06	<.050	<.008	<.020	2.0	15	M	5.9
0141309740		12-04-00	<.10	.221	<.006	<.018	1.3	<13	M	16.2
0141309740		05-03-01	E.07	.198	<.006	<.018	1.6	<13	M	6.6
0141309740		07-19-01	E.08	.101	<.006	<.020	1.4	<13	20	6.5
0141309740		07-19-01	.11	.100	<.006	<.020	1.5	<13	20	6.2
0141309740		10-22-01	E.07	E.036	<.008	<.020	1.5	<13	<10	5.3
0141309740		10-22-01	E.07	E.037	<.008	<.020	1.5	<13	M	5.9
01413274		12-07-00	E.08	.245	<.006	E.011	.93	<13	<10	<3.2
01413274		03-27-01	<.10	.258	<.006	<.018	.88	20	<10	<3.2
01413274		05-03-01	E.06	.319	<.006	<.018	.98	<13	<10	<3.2
01413274		07-20-01	<.10	.324	<.006	<.020	.90	<13	<10	<3.0
01413274		08-29-01	<.10	E.382	E.001	E.013	.75	<13	<10	<3.0
01413274		10-03-01	E.05	.354	<.008	<.020	1.1	E7	<10	E1.0
01413274		10-22-01	<.10	.084	<.008	<.020	.92	<13	<10	E.9
01413274		11-15-01	<.10	.242	<.008	<.020	.73	<13	<10	<2.0
01413276		12-07-00	<.10	.255	<.006	<.018	.92	<13	<10	<3.2
01413276		05-03-01	E.06	.224	<.006	<.018	1.1	E7	<10	<3.2
01413276		06-28-01	<.10	.270	.008	E.012	.99	<13	<10	<3.0
01413276		07-20-01	<.10	.228	<.006	<.020	.95	<13	<10	<3.0
01413276		10-22-01	<.10	E.032	<.008	<.020	1.0	E7	<10	E.9
01413303		12-07-00	<.10	.347	<.006	<.018	1.1	<13	20	7.7
01413303		05-03-01	E.07	.293	<.006	<.018	1.4	<13	M	E3.0
01413303		07-20-01	E.08	.262	<.006	<.020	1.3	<13	20	5.7
01413303		10-23-01	.10	.112	<.008	<.020	1.3	E10	M	4.6
01413306		12-04-00	<.10	.334	<.006	E.010	1.2	<13	M	7.2
01413306		05-03-01	.11	.189	<.006	<.018	1.5	<13	M	4.2
01413306		07-19-01	E.10	.145	<.006	E.014	1.5	<13	20	E2.0
01413306		10-23-01	<.10	<.050	<.008	<.020	1.5	E10	M	E.9
01413343		12-04-00	.15	.109	<.006	<.018	1.6	<13	60	7.2
01413343		05-03-01	E.09	.077	<.006	<.018	1.8	<13	50	6.6
01413343		07-19-01	.19	<.050	<.006	<.020	2.9	16	120	48.1
01413343		10-22-01	<.10	.094	<.008	<.020	1.2	E8	200	57.8
01413346		12-04-00	.29	.124	<.006	<.018	1.4	<13	20	16.2
01413346		05-03-01	E.08	.051	<.006	<.018	1.8	<13	20	8.4
01413346		07-19-01	E.10	.062	<.006	<.020	2.0	<13	50	19.8
01413346		10-22-01	E.09	<.050	<.008	<.020	1.7	<13	20	17.0
01413920		12-07-00	E.09	.464	<.006	<.018	1.5	<13	40	45.1
01413920		05-03-01	.17	.170	E.003	<.018	2.4	<13	80	33.4
01413920		05-03-01	.19	.193	E.004	E.010	2.3	<13	90	34.0
01413920		07-19-01	.23	.085	<.006	E.010	3.5	E8	30	7.8
01413920		10-22-01	.18	<.050	<.008	<.020	3.6	<13	10	9.3
01413930		12-06-00	.21	.268	<.006	<.018	1.1	<13	20	14.8
01413930		03-27-01	E.06	.322	<.006	<.018	1.3	23	20	14.7
01413930		05-03-01	E.08	.289	<.006	<.018	1.4	E7	20	3.6
01413930		06-28-01	<.10	.171	.008	E.010	1.7	<13	40	4.8
01413930		07-19-01	E.07	.174	<.006	<.020	1.3	<13	M	4.2
01413930		08-29-01	E.06	E.133	E.001	E.005	1.1	E7	<10	6.6
01413930		10-03-01	E.05	E.029	<.008	<.020	1.7	13	10	6.9
01413930		10-22-01	E.05	<.050	<.008	E.009	2.2	<13	M	E3.1
01413930		11-15-01	E.06	.065	<.008	<.020	1.2	E7	<10	E2.3
01413950		12-06-00	4.9	.311	<.006	E.009	1.2	<13	20	22.7
01413950		05-03-01	E.08	.265	<.006	E.011	1.5	E6	20	13.1
01413950		07-19-01	.12	.163	<.006	.021	1.6	<13	70	141
01413950		10-22-01	.11	E.040	<.008	E.010	1.7	<13	50	128
01413990		12-06-00	.12	.494	<.006	E.009	1.2	E8	M	6.7
01413990		05-03-01	E.07	.329	E.003	E.011	1.4	<13	20	5.4
01413990		07-19-01	.12	.131	<.006	E.015	1.6	E10	M	E2.9
01413990		10-23-01	<.10	<.050	<.008	<.020	1.8	13	M	E2.2
01414280		12-07-00	<.10	.409	<.006	<.018	.95	<13	10	<3.2
01414280		05-03-01	E.07	.390	<.006	<.018	1.3	<13	<10	<3.2
01414280		07-20-01	E.06	.281	<.006	<.020	1.4	<13	40	<3.0
01414280		10-22-01	<.10	.179	<.008	<.020	1.5	<13	10	<2.0
01414290		12-07-00	<.10	.295	<.006	<.018	.87	<13	<10	<3.2

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Pepacton Watershed Baseflow - Water-quality Network--Continued

SMALL-BASIN NETWORK--Continued

STATION NUMBER	STATION NAME	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)
01414290	MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	05-03-01	1400	--	7.2	39	14.0
01414290	MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	07-20-01	0730	1.0	--	53	11.0
01414290	MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	10-22-01	1630	--	7.0	55	9.5
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	12-06-00	1305	1.3	--	64	.3
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	03-27-01	0840	--	5.7	81	.0
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	05-03-01	1030	--	7.0	58	14.8
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	06-28-01	1715	--	7.1	78	21.3
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	07-19-01	1330	.18	--	93	18.3
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	08-29-01	1230	--	6.8	100	17.2
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	08-29-01	1240	--	6.8	100	17.2
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	10-03-01	1500	--	6.9	118	14.6
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	10-03-01	1510	--	6.9	118	14.6
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	10-23-01	0800	--	6.8	115	7.0
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	11-15-01	1400	--	7.1	115	8.1
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	11-15-01	1401	--	7.1	115	8.1
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	12-06-00	1140	4.1	7.1	78	.6
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	12-06-00	1141	4.1	7.1	78	.6
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	12-06-00	1142	4.1	7.1	78	.6
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	05-03-01	1100	--	7.3	74	14.8
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	05-03-01	1105	--	7.3	74	14.8
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	07-19-01	1230	1.4	--	107	18.7
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	07-19-01	1231	1.4	--	107	18.7
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	10-23-01	0730	--	6.8	135	7.4
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	10-23-01	0731	--	6.8	135	7.4
01414860	CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	12-06-00	1430	.45	6.9	50	.9
01414860	CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	05-03-01	1150	--	7.0	45	5.3
01414860	CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	07-19-01	1415	.09	--	68	19.0
01414860	CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	10-23-01	0915	--	6.7	75	8.1
01416870	CAT HOLLOW BROOK NEAR DOWNSVILLE NY	12-07-00	0920	3.5	6.8	68	.0
01416870	CAT HOLLOW BROOK NEAR DOWNSVILLE NY	05-03-01	1240	--	7.1	69	13.5
01416870	CAT HOLLOW BROOK NEAR DOWNSVILLE NY	07-19-01	1615	.51	--	99	17.3
01416870	CAT HOLLOW BROOK NEAR DOWNSVILLE NY	10-23-01	1000	--	6.9	93	8.3
01416895	PEPACTON RESERVOIR WEST END TRIB, NR DOWNSVILLE NY	12-07-00	1025	.16	6.8	38	.4
01416895	PEPACTON RESERVOIR WEST END TRIB, NR DOWNSVILLE NY	05-03-01	1300	--	6.7	33	10.4
01416895	PEPACTON RESERVOIR WEST END TRIB, NR DOWNSVILLE NY	07-19-01	1545	.01	--	57	14.2
01416895	PEPACTON RESERVOIR WEST END TRIB, NR DOWNSVILLE NY	10-23-01	1020	--	7.0	55	8.9

Pepacton Watershed Baseflow - Water-quality Network--Continued

SMALL-BASIN NETWORK--Continued

STATION	NUMBER	DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
01414290		05-03-01	5.81	.958	.39	.5	13	<.01	.6	<.2	2.1	5.9	<.041
01414290		07-20-01	7.19	1.20	.27	.7	18	--	.8	<.2	3.4	5.9	<.040
01414290		10-22-01	7.81	1.31	.37	.9	20	--	1.3	<.1	3.1	5.5	<.040
01414835		12-06-00	6.02	1.74	1.07	2.1	16	<.01	2.8	<.2	4.2	6.9	<.041
01414835		03-27-01	6.98	2.00	1.30	2.9	14	<.01	6.3	<.2	3.0	7.3	<.041
01414835		05-03-01	5.77	1.68	1.01	2.1	16	<.01	3.0	<.2	2.6	6.4	<.041
01414835		06-28-01	7.77	2.19	1.62	2.8	25	--	4.5	<.2	3.7	5.2	E.038
01414835		07-19-01	8.90	2.64	1.66	3.4	31	--	4.6	<.2	3.8	5.4	<.040
01414835		08-29-01	10.6	3.16	1.33	3.8	39	--	4.2	<.2	4.8	5.1	E.011
01414835		08-29-01	10.6	3.16	1.32	3.7	39	--	4.3	<.2	4.8	5.1	E.009
01414835		10-03-01	10.8	3.33	2.23	4.7	36	--	7.7	<.1	4.6	6.6	<.040
01414835		10-03-01	10.8	3.35	2.23	4.7	36	--	8.0	<.1	4.6	6.6	<.040
01414835		10-23-01	11.8	3.58	2.07	4.7	41	--	7.4	<.1	4.6	6.5	<.040
01414835		11-15-01	11.2	3.55	2.08	4.7	41	--	8.1	<.1	4.6	7.2	<.040
01414835		11-15-01	11.0	3.43	2.06	4.6	41	--	7.7	<.1	4.5	7.2	<.040
01414840		12-06-00	6.29	1.92	.88	3.2	16	<.01	5.4	<.2	4.3	7.0	<.041
01414840		12-06-00	6.38	1.94	.84	3.2	16	.01	5.4	<.2	4.3	7.2	<.041
01414840		12-06-00	6.24	1.89	.83	3.4	16	<.01	5.4	<.2	4.2	7.2	<.041
01414840		05-03-01	6.26	1.79	.86	5.2	15	<.01	9.0	<.2	2.9	6.8	<.041
01414840		05-03-01	6.28	1.80	.82	5.2	15	<.01	8.9	<.2	2.9	6.8	<.041
01414840		07-19-01	8.51	2.51	1.02	6.4	25	--	10.5	<.2	3.7	5.9	<.040
01414840		07-19-01	8.62	2.53	1.08	6.5	25	--	10.5	<.2	3.9	5.7	<.040
01414840		10-23-01	11.7	3.45	1.53	8.2	36	--	15.5	<.1	3.1	7.0	<.040
01414840		10-23-01	11.7	3.44	1.49	8.3	36	--	15.6	<.1	3.2	7.0	<.040
01414860		12-06-00	5.39	1.55	.72	1.5	13	<.01	1.4	<.2	4.0	7.2	<.041
01414860		05-03-01	4.73	1.51	.97	1.4	14	<.01	1.1	<.2	3.0	6.9	<.041
01414860		07-19-01	6.86	2.11	.77	2.1	23	--	1.5	<.2	4.0	6.4	<.040
01414860		10-23-01	7.88	2.44	1.40	2.6	26	--	2.4	<.1	4.5	8.3	<.040
01416870		12-07-00	4.87	1.33	.32	4.7	10	<.01	7.2	<.2	3.6	6.7	<.041
01416870		05-03-01	5.04	1.27	.46	6.2	10	<.01	10.8	<.2	2.9	6.6	<.041
01416870		07-19-01	6.83	1.72	.44	8.4	15	--	14.1	<.2	4.4	6.9	<.040
01416870		10-23-01	6.92	1.80	.49	7.7	17	--	13.9	<.1	3.2	7.5	<.040
01416895		12-07-00	4.12	1.20	.24	.8	8	<.01	.7	<.2	4.4	7.3	<.041
01416895		05-03-01	3.70	1.21	.42	.8	9	<.01	.6	<.2	4.1	7.8	<.041
01416895		07-19-01	5.85	1.90	.41	1.3	16	--	.7	<.2	5.2	8.2	<.040
01416895		10-23-01	6.29	1.89	.39	1.3	18	--	1.3	<.1	5.0	8.3	<.040

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Pepacton Watershed Baseflow - Water-quality Network--Continued

SMALL-BASIN NETWORK--Continued

STATION	NUMBER	DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
01414290		05-03-01	<.10	.350	<.006	<.018	1.0	<13	<10	<3.2
01414290		07-20-01	<.10	.323	<.006	<.020	.90	<13	<10	<3.0
01414290		10-22-01	<.10	.092	<.008	<.020	1.1	E7	<10	E1.2
01414835		12-06-00	.23	.638	<.006	.022	1.4	<13	20	45.8
01414835		03-27-01	.14	1.06	<.006	E.018	1.6	E10	20	60.5
01414835		05-03-01	.13	.386	E.003	E.017	1.9	E6	30	51.9
01414835		06-28-01	.22	.315	.013	.077	2.4	<13	80	48.1
01414835		07-19-01	.22	.236	<.006	.038	2.9	E7	70	69.9
01414835		08-29-01	.15	E.036	E.002	E.013	2.1	E10	50	109
01414835		08-29-01	.15	E.033	E.002	E.011	2.1	E8	40	105
01414835		10-03-01	.18	E.032	<.008	<.020	2.6	14	30	132
01414835		10-03-01	.16	E.030	<.008	<.020	2.9	E12	40	138
01414835		10-23-01	.11	E.033	<.008	<.020	2.4	E11	30	157
01414835		11-15-01	.11	.070	<.008	<.020	1.5	E12	30	148
01414835		11-15-01	.13	.072	<.008	<.007	1.6	13	30	142
01414840		12-06-00	E.07	.680	<.006	E.010	1.2	E6	20	35.7
01414840		12-06-00	E.08	.677	<.006	E.011	1.1	E10	20	35.2
01414840		12-06-00	E.07	.676	<.006	E.010	1.1	E7	20	33.2
01414840		05-03-01	.11	.347	<.006	<.018	1.4	E8	10	16.7
01414840		05-03-01	E.08	.361	E.003	<.018	1.5	E6	10	15.5
01414840		07-19-01	.14	.348	<.006	E.017	1.6	<13	40	63.1
01414840		07-19-01	.14	.350	<.006	E.015	2.2	E11	50	63.8
01414840		10-23-01	E.09	.166	<.008	<.020	1.6	E10	140	191
01414840		10-23-01	.10	.168	<.008	<.020	1.6	17	140	189
01414860		12-06-00	E.06	.510	<.006	E.013	.90	<13	M	3.9
01414860		05-03-01	.15	.379	E.003	.022	1.5	E8	M	6.6
01414860		07-19-01	.16	.151	<.006	.025	2.4	E9	10	8.8
01414860		10-23-01	E.08	.359	<.008	.029	1.7	E12	10	5.6
01416870		12-07-00	<.10	.286	<.006	<.018	.92	<13	<10	<3.2
01416870		05-03-01	E.06	.465	<.006	<.018	1.1	<13	M	<3.2
01416870		07-19-01	E.05	.233	<.006	<.020	1.1	<13	<10	E2.0
01416870		10-23-01	<.10	E.024	<.008	<.020	1.4	E12	<10	E.9
01416895		12-07-00	<.10	.071	<.006	<.018	.86	<13	<10	<3.2
01416895		05-03-01	E.06	.084	<.006	<.018	.97	<13	<10	<3.2
01416895		07-19-01	<.10	.232	<.006	<.020	.96	<13	<10	<3.0
01416895		10-23-01	<.10	E.023	<.008	<.020	1.1	14	30	62.7

Pepacton Watershed Baseflow - Water-quality Network--Continued

SMALL-BASIN NETWORK - LOW-DETECTION-LIMIT ORTHOPHOSPHORUS ANALYSES

STATION NUMBER	STATION NAME	DATE	TIME	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	12-04-00	0945	.013
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	05-03-01	0945	.009
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	07-19-01	0920	.018
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	10-22-01	1325	.015
0141309730	TRIBUTARY TO BATAVIA KILL, AT VEGA NY	12-04-00	1105	E.004
0141309730	TRIBUTARY TO BATAVIA KILL, AT VEGA NY	05-03-01	0855	<.007
0141309730	TRIBUTARY TO BATAVIA KILL, AT VEGA NY	07-19-01	1035	.008
0141309730	TRIBUTARY TO BATAVIA KILL, AT VEGA NY	10-22-01	1400	E.006
0141309740	BATAVIA KILL BELOW VEGA NY	12-04-00	1145	E.004
0141309740	BATAVIA KILL BELOW VEGA NY	05-03-01	0910	E.006
0141309740	BATAVIA KILL BELOW VEGA NY	07-19-01	1115	.009
0141309740	BATAVIA KILL BELOW VEGA NY	07-19-01	1116	.009
0141309740	BATAVIA KILL BELOW VEGA NY	10-22-01	1420	<.007
0141309740	BATAVIA KILL BELOW VEGA NY	10-22-01	1421	E.004
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	12-07-00	1405	E.005
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	03-27-01	1050	<.007
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	05-03-01	1315	E.004
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	07-20-01	0955	.011
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	08-29-01	1040	.011
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	10-03-01	1205	.009
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	10-22-01	1620	<.007
01413274	RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	11-15-01	1220	<.007
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	12-07-00	1345	<.007
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	05-03-01	1255	<.007
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	06-28-01	1505	.008
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	07-20-01	0950	.008
01413276	RIDER HOLLOW BROOK NEAR MAPLEDALE NY	10-22-01	1635	<.007
01413303	VLY CREEK ABOVE HALCOTT CENTER NY	12-07-00	1605	<.007
01413303	VLY CREEK ABOVE HALCOTT CENTER NY	05-03-01	1150	.007
01413303	VLY CREEK ABOVE HALCOTT CENTER NY	07-20-01	0755	.010
01413303	VLY CREEK ABOVE HALCOTT CENTER NY	10-23-01	1105	<.007
01413306	VLY CREEK NEAR HALCOTT CENTER NY	12-04-00	1505	.011
01413306	VLY CREEK NEAR HALCOTT CENTER NY	05-03-01	1115	.009
01413306	VLY CREEK NEAR HALCOTT CENTER NY	07-19-01	1515	.015
01413306	VLY CREEK NEAR HALCOTT CENTER NY	10-23-01	1045	.008
01413343	LITTLE RED KILL ABOVE FLEISCHMANN'S NY	12-04-00	1355	E.004
01413343	LITTLE RED KILL ABOVE FLEISCHMANN'S NY	05-03-01	1050	<.007
01413343	LITTLE RED KILL ABOVE FLEISCHMANN'S NY	07-19-01	1310	.008
01413343	LITTLE RED KILL ABOVE FLEISCHMANN'S NY	10-22-01	1505	<.007
01413346	RED KILL ABOVE FLEISCHMANN'S NY	12-04-00	1305	<.007
01413346	RED KILL ABOVE FLEISCHMANN'S NY	05-03-01	1030	<.007
01413346	RED KILL ABOVE FLEISCHMANN'S NY	07-19-01	1245	.007
01413346	RED KILL ABOVE FLEISCHMANN'S NY	10-22-01	1455	<.007
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	12-07-00	0755	E.005
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	05-03-01	0916	.008
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	05-03-01	0925	.008
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	07-19-01	1005	.012
01413920	WINTER HOLLOW BROOK AT NEW KINGSTON NY	10-22-01	1445	.007
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	12-06-00	1620	<.007
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	03-27-01	0945	<.007
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	05-03-01	0905	<.007
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	06-28-01	1620	.007
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	07-19-01	0935	E.006
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	08-29-01	1135	E.005
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	10-03-01	1605	E.004
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	10-22-01	1420	.008
01413930	SANFORD HOLLOW BROOK AT NEW KINGSTON NY	11-15-01	1305	<.007
01413950	WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	12-06-00	1535	.010
01413950	WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	05-03-01	0835	.011
01413950	WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	07-16-01	1050	.021
01413950	WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	10-22-01	1405	.012
01413990	BRYANT'S BROOK ABOVE DUNRAVEN NY	12-06-00	1055	.010
01413990	BRYANT'S BROOK ABOVE DUNRAVEN NY	05-03-01	1005	.011
01413990	BRYANT'S BROOK ABOVE DUNRAVEN NY	07-19-01	1135	.018
01413990	BRYANT'S BROOK ABOVE DUNRAVEN NY	10-23-01	0835	E.005
01414280	MILL BROOK EAST OF BELLE AYR NY	12-07-00	1445	<.007
01414280	MILL BROOK EAST OF BELLE AYR NY	05-03-01	1435	<.007
01414280	MILL BROOK EAST OF BELLE AYR NY	07-20-01	0835	E.006
01414280	MILL BROOK EAST OF BELLE AYR NY	10-22-01	1605	<.007
01414290	MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	12-07-00	1210	<.007

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Pepacton Watershed Baseflow - Water-quality Network--Continued

SMALL-BASIN NETWORK - LOW-DETECTION-LIMIT ORTHOPHOSPHORUS ANALYSES

STATION NUMBER	STATION NAME	DATE	TIME	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
01414290	MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	05-03-01	1405	E.005
01414290	MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	07-20-01	0735	.007
01414290	MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	10-22-01	1635	<.007
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	12-06-00	1310	.022
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	03-27-01	0845	.014
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	05-03-01	1035	.014
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	06-28-01	1720	.077
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	07-19-01	1335	.042
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	08-29-01	1235	.015
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	08-29-01	1245	.015
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	10-03-01	1505	.014
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	10-03-01	1515	.015
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	10-23-01	0805	E.006
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	11-15-01	1405	E.004
01414835	GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	11-15-01	1406	E.004
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	12-06-00	1145	.011
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	12-06-00	1146	.010
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	12-06-00	1147	.013
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	05-03-01	1101	.011
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	05-03-01	1110	.009
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	07-19-01	1235	.021
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	07-19-01	1236	.019
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	10-23-01	0735	E.006
01414840	GLADSTONE HOLLOW BROOK NEAR ANDES NY	10-23-01	0736	E.006
01414860	CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	12-06-00	1435	.013
01414860	CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	05-03-01	1155	.022
01414860	CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	07-19-01	1420	.029
01414860	CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	10-23-01	0920	.036
01416870	CAT HOLLOW BROOK NEAR DOWNSVILLE NY	12-07-00	0925	<.007
01416870	CAT HOLLOW BROOK NEAR DOWNSVILLE NY	05-03-01	1245	<.007
01416870	CAT HOLLOW BROOK NEAR DOWNSVILLE NY	07-19-01	1620	<.007
01416870	CAT HOLLOW BROOK NEAR DOWNSVILLE NY	10-23-01	1005	<.007
01416895	PEPACTON RESERVOIR WEST END TRIB, NR DOWNSVILLE NY	12-07-00	1030	<.007
01416895	PEPACTON RESERVOIR WEST END TRIB, NR DOWNSVILLE NY	05-03-01	1305	<.007
01416895	PEPACTON RESERVOIR WEST END TRIB, NR DOWNSVILLE NY	07-19-01	1550	E.006
01416895	PEPACTON RESERVOIR WEST END TRIB, NR DOWNSVILLE NY	10-23-01	1025	E.006

Pepacton Watershed Baseflow - Water-quality Network--Continued

VALLEY-SEGMENT NETWORK

STATION NUMBER	STATION NAME	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)
JULY							
01413070	EAST BRANCH DELAWARE RIVER AT MORE SETTLEMENT, NY	07-10-01	1045	1.5	6.8	106	19.7
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	07-10-01	1235	.23	7.2	50	16.4
01413088	EAST BRANCH DELAWARE RIVER AT ROXBURY NY	07-10-01	1000	5.1	6.7	102	15.1
01413092	EAST BRANCH DELAWARE RIVER SOUTH OF ROXBURY, NY	07-10-01	0830	9.5	6.6	113	15.1
0141309740	BATAVIA KILL BELOW VEGA NY	07-16-01	1035	2.4	6.8	55	15.3
01413098	BATAVIA KILL NORTH OF DENVER, NY	07-16-01	1145	3.2	7.1	66	17.7
01413099	BATAVIA KILL EAST OF KELLY CORNERS, NY	07-16-01	1255	4.8	7.4	76	17.1
01413936	PLATTE KILL AT NEW KINGSTON, NY	07-10-01	1530	3.2	7.2	72	21.2
01413945	PLATTE KILL SOUTH OF NEW KINGSTON, NY	07-10-01	1430	4.5	7.2	85	21.7
01413949	WEAVER HOLLOW BROOK NEAR MARGARETVILLE NY	07-16-01	1035	.03	--	112	14.5
01414321	MILL BROOK TRIBUTARY NO.1 NEAR GRANT MILLS NY	07-17-01	1200	.09	--	35	--
01414310	MILL BROOK WEST OF BELLE AYR, NY	07-17-01	1100	4.9	6.9	52	13.3
01414340	MILL BROOK AT GRANT MILLS, NY	07-17-01	0945	8.3	6.7	48	13.9
01414349	CROSS MOUNTAIN TRIBUTARY NEAR GRANT MILLS NY	07-17-01	0800	.66	--	54	13.3
01414500	MILL BROOK NEAR DUNRAVEN NY	07-17-01	0805	9.5	6.9	52	15.6
01414500	MILL BROOK NEAR DUNRAVEN NY	07-17-01	0806	9.5	6.9	52	15.6
01414865	TREMPER KILL AT STATE HOLLOW ROAD NEAR ANDES, NY	07-16-01	1625	4.7	6.9	125	21.3
01414868	WOLF HOLLOW BROOK SOUTH OF ANDES NY	07-16-01	1435	.34	--	49	18.4
01414875	BUSSEY HOLLOW BROOK SOUTH OF ANDES NY	07-16-01	1330	.22	--	61	15.6
01415000	TREMPER KILL NEAR ANDES NY	07-16-01	1515	6.9	6.9	104	20.1
01415438	TERRY CLOVE KILL EAST OF HAMDEN, NY	07-13-01	1000	.41	6.8	67	14.1
01415465	TERRY CLOVE KILL SOUTHEAST OF HAMDEN, NY	07-13-01	1045	1.6	7.0	74	14.3
AUGUST							
01413070	EAST BRANCH DELAWARE RIVER AT MORE SETTLEMENT, NY	08-07-01	0830	.20	6.8	145	20.5
01413073	E BR DELAWARE RIVER TRIB BELOW MORE SETTLEMENT NY	08-07-01	0900	.02	7.1	57	18.9
01413088	EAST BRANCH DELAWARE RIVER AT ROXBURY NY	08-07-01	0945	1.1	7.0	139	17.5
01413092	EAST BRANCH DELAWARE RIVER SOUTH OF ROXBURY, NY	08-07-01	0900	3.5	6.8	128	19.0
0141309740	BATAVIA KILL BELOW VEGA NY	08-07-01	1000	.94	7.0	67	17.1
0141309740	BATAVIA KILL BELOW VEGA NY	08-07-01	1015	.94	7.0	67	17.1
0141309760	BATAVIA KILL TRIBUTARY NO.5 BELOW VEGA NY	08-07-01	1100	.08	6.8	110	15.7
01413098	BATAVIA KILL NORTH OF DENVER, NY	08-07-01	1130	1.8	7.2	75	19.7
01413099	BATAVIA KILL EAST OF KELLY CORNERS, NY	08-07-01	1045	2.5	7.6	86	19.0
01413936	PLATTE KILL AT NEW KINGSTON, NY	08-08-01	0730	1.4	6.8	89	18.9
01413940	PLATTE KILL TRIBUTARY BELOW NEW KINGSTON NY	08-08-01	0850	.09	6.8	98	16.5
01413945	PLATTE KILL SOUTH OF NEW KINGSTON, NY	08-08-01	0750	2.0	6.9	103	19.1
01414310	MILL BROOK WEST OF BELLE AYR, NY	08-08-01	1130	2.6	6.7	59	17.1
01414326	MILL BROOK NEAR GRANT MILLS NY	08-08-01	1520	2.7	6.2	56	16.3
01414331	MILL BROOK TRIBUTARY NO.2 AT GRANT MILLS NY	08-08-01	1330	.23	6.0	41	24.4
01414335	MILL BROOK TRIBUTARY NO.3 AT GRANT MILLS NY	08-08-01	1215	--	6.7	48	19.9
01414340	MILL BROOK AT GRANT MILLS, NY	08-08-01	1000	4.7	6.8	54	16.8
01414340	MILL BROOK AT GRANT MILLS, NY	08-08-01	1010	4.7	6.8	54	16.8
01414343	MILL BROOK TRIBUTARY NO.4 AT GRANT'S MILLS NY	08-08-01	1140	.14	6.7	55	17.6
01414349	CROSS MOUNTAIN TRIBUTARY NEAR GRANT MILLS NY	08-08-01	1000	.53	6.9	64	16.5
01414353	MILL BROOK TRIBUTARY NO.5 NEAR GRANT MILLS NY	08-08-01	0930	.05	6.7	47	16.8
01414500	MILL BROOK NEAR DUNRAVEN NY	08-08-01	0850	6.6	7.1	61	18.7
01414865	TREMPER KILL AT STATE HOLLOW ROAD NEAR ANDES, NY	08-07-01	1655	1.9	7.2	146	23.9
01414866	TREMPER KILL TRIBUTARY BELOW ANDES NY	08-07-01	1700	.03	7.0	66	17.2
01415000	TREMPER KILL NEAR ANDES NY	08-07-01	1600	3.2	7.1	106	23.0
01415438	TERRY CLOVE KILL EAST OF HAMDEN, NY	08-07-01	1340	.12	6.0	76	17.3
01415465	TERRY CLOVE KILL SOUTHEAST OF HAMDEN, NY	08-07-01	1330	.72	7.2	82	23.2

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Pepacton Watershed Baseflow - Water-quality Network--Continued

VALLEY-SEGMENT NETWORK--Continued

STATION	NUMBER	DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
JULY													
01413070		07-10-01	10.2	1.48	.45	7.9	31	8.9	<.2	4.4	3.7	E.021	.24
01413085		07-10-01	6.01	.940	.45	2.0	15	2.0	<.2	5.3	5.3	<.040	E.05
01413088		07-10-01	9.77	1.47	.58	7.9	29	8.8	<.2	4.7	5.0	<.040	.19
01413092		07-10-01	10.8	1.66	.68	7.8	29	9.8	<.2	4.4	5.8	<.040	.14
0141309740		07-16-01	6.64	1.15	.41	2.1	20	1.7	<.2	4.3	4.5	<.040	E.08
01413098		07-16-01	7.28	1.26	.52	3.0	20	3.6	<.2	4.2	5.0	<.040	E.07
01413099		07-16-01	8.05	1.41	.47	3.7	24	5.0	<.2	3.7	5.2	<.040	<.10
01413936		07-10-01	7.73	1.76	.65	3.0	24	3.6	<.2	4.1	4.9	<.040	.13
01413945		07-10-01	8.94	2.01	.71	4.1	26	5.5	<.2	3.4	5.5	<.040	.14
01413949		07-16-01	14.0	2.22	.71	4.0	40	5.0	<.2	5.0	6.8	<.040	E.07
01414321		07-17-01	3.58	1.32	.25	.5	10	.6	<.2	3.6	5.3	<.040	E.07
01414310		07-17-01	6.81	1.01	.38	1.2	17	1.9	<.2	2.5	5.5	<.040	<.10
01414340		07-17-01	5.95	1.07	.38	1.2	15	1.9	<.2	2.5	5.3	<.040	E.05
01414349		07-17-01	5.61	1.41	.36	2.2	16	2.5	<.2	3.3	5.5	<.040	<.10
01414500		07-17-01	6.32	1.26	.42	1.5	17	2.0	<.2	2.5	5.5	<.040	E.05
01414500		07-17-01	6.30	1.25	.38	1.5	17	2.1	<.2	2.6	5.5	<.040	<.10
01414865		07-16-01	9.20	2.49	1.03	8.7	26	15.7	<.2	3.5	5.8	<.040	.11
01414868		07-16-01	4.99	1.56	.28	1.6	16	1.2	<.2	4.0	5.0	<.040	<.10
01414875		07-16-01	6.27	1.79	.61	2.0	18	2.5	<.2	3.6	6.0	<.040	<.10
01415000		07-16-01	8.17	2.29	.86	6.5	23	11.4	<.2	3.3	5.9	<.040	.10
01415438		07-13-01	7.23	2.09	1.10	1.6	25	1.0	<.2	4.0	5.3	.137	.26
01415465		07-13-01	7.73	2.30	1.37	2.0	25	1.6	<.2	4.0	6.4	<.040	.12
AUGUST													
01413070		08-07-01	13.2	1.95	.97	9.8	43	13.3	E.1	4.2	3.6	.047	.31
01413073		08-07-01	6.96	1.09	.39	1.8	20	1.3	<.2	5.3	5.4	<.040	E.08
01413088		08-07-01	11.8	1.91	.94	11.6	43	13.1	<.2	3.6	4.9	<.040	.21
01413092		08-07-01	11.7	1.91	.97	8.6	35	12.5	<.2	3.7	6.2	.044	.16
0141309740		08-07-01	7.76	1.32	.58	2.5	25	2.5	<.2	4.5	4.5	E.029	.11
0141309740		08-07-01	7.82	1.34	.60	2.5	25	2.5	<.2	4.5	4.3	E.031	E.09
0141309760		08-07-01	14.0	2.19	.46	3.8	45	4.5	<.2	5.9	4.2	E.026	.14
01413098		08-07-01	7.88	1.36	.66	3.6	23	5.3	<.2	4.2	5.3	E.023	E.08
01413099		08-07-01	8.92	1.60	.66	4.2	27	6.5	<.2	3.9	5.4	<.040	E.05
01413936		08-08-01	8.89	2.13	.99	3.3	29	5.4	<.2	3.9	5.3	E.023	.11
01413940		08-08-01	10.2	2.66	.36	4.0	35	5.2	<.2	6.3	4.6	E.026	E.09
01413945		08-08-01	10.1	2.37	1.10	4.4	31	7.1	<.2	3.3	6.2	E.024	E.09
01414310		08-08-01	7.43	1.13	.50	1.3	17	2.3	<.2	2.6	5.4	E.035	<.10
01414326		08-08-01	6.67	1.17	.44	1.2	18	2.3	<.2	2.9	5.0	E.031	<.10
01414331		08-08-01	4.59	1.09	.34	.9	13	1.1	<.2	2.5	5.0	E.037	.11
01414335		08-08-01	4.85	1.55	.51	1.0	14	1.0	<.2	3.7	6.4	E.023	E.06
01414340		08-08-01	6.31	1.21	.50	1.3	17	2.2	<.2	2.6	5.4	E.023	E.09
01414340		08-08-01	6.15	1.17	.45	1.3	17	2.2	<.2	2.5	5.2	E.022	E.05
01414343		08-08-01	5.66	1.81	.60	1.1	19	1.3	<.2	4.4	5.6	E.021	E.09
01414349		08-08-01	6.25	1.56	.48	2.6	20	3.4	<.2	3.7	5.7	E.021	<.10
01414353		08-08-01	4.83	1.65	.44	1.2	16	.5	<.2	5.2	6.1	E.023	<.10
01414500		08-08-01	6.75	1.40	.59	1.8	19	2.8	<.2	2.4	5.4	E.031	E.06
01414865		08-07-01	10.3	2.79	1.47	10.7	29	21.5	<.2	2.9	6.6	<.040	.15
01414866		08-07-01	7.10	2.26	.19	1.9	25	1.2	<.2	5.8	6.7	E.022	E.08
01415000		08-07-01	8.52	2.43	1.08	6.3	25	12.2	<.2	2.8	6.2	<.040	E.09
01415438		08-07-01	7.55	2.03	2.68	1.8	25	1.8	<.2	4.4	6.5	E.022	E.06
01415465		08-07-01	8.29	2.46	1.82	2.4	28	2.4	<.2	2.7	7.1	E.023	.13

Pepacton Watershed Baseflow - Water-quality Network--Continued

VALLEY-SEGMENT NETWORK--Continued

STATION	NUMBER	DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JULY									
01413070		07-10-01	.057	E.004	.023	3.3	<13	580	261
01413085		07-10-01	.249	E.003	E.017	1.1	<13	<10	<3.0
01413088		07-10-01	.180	<.006	.025	2.5	<13	290	54.8
01413092		07-10-01	.370	E.003	E.016	1.9	<13	150	45.4
0141309740		07-16-01	.107	<.006	E.010	2.0	<13	30	7.5
01413098		07-16-01	.097	<.006	<.020	1.7	<13	30	53.5
01413099		07-16-01	.102	<.006	<.020	2.0	<13	<10	E3.1
01413936		07-10-01	.110	E.004	<.020	2.0	<13	30	18.2
01413945		07-10-01	.130	E.003	<.020	2.0	E9	10	8.1
01413949		07-16-01	.157	<.006	.023	2.6	E7	<10	<3.0
01414321		07-17-01	.127	E.004	<.020	2.2	<13	20	E1.9
01414310		07-17-01	.276	E.005	<.020	1.1	<13	<10	E1.9
01414340		07-17-01	.211	E.004	<.020	1.2	<13	<10	E2.5
01414349		07-17-01	.174	E.004	<.020	1.6	<13	M	<3.0
01414500		07-17-01	.191	E.004	<.020	1.1	<13	<10	E2.3
01414500		07-17-01	.183	E.005	<.020	1.0	E7	<10	E2.0
01414865		07-16-01	.236	<.006	E.015	2.6	E7	40	9.9
01414868		07-16-01	.093	<.006	E.004	1.6	<13	<10	<3.0
01414875		07-16-01	.273	<.006	<.020	1.4	E7	<10	<3.0
01415000		07-16-01	.218	E.003	E.009	2.2	E7	30	22.8
01415438		07-13-01	.216	E.004	E.010	2.4	E8	50	180
01415465		07-13-01	.552	E.004	.018	2.2	E10	60	11.8
AUGUST									
01413070		08-07-01	.062	E.004	.027	3.9	E10	670	310
01413073		08-07-01	.204	E.003	.022	1.3	<13	<10	<3.0
01413088		08-07-01	.090	E.004	.028	3.0	E12	150	18.2
01413092		08-07-01	.266	E.005	.025	1.9	E11	50	49.0
0141309740		08-07-01	.091	<.006	<.020	1.5	<13	M	3.2
0141309740		08-07-01	.092	<.006	<.020	1.3	E10	M	3.6
0141309760		08-07-01	E.046	<.006	<.020	1.9	E7	70	181
01413098		08-07-01	.087	<.006	E.011	1.4	E7	50	85.3
01413099		08-07-01	.107	<.006	E.014	1.3	E10	<10	3.2
01413936		08-08-01	.176	<.006	E.009	1.6	E13	M	27.9
01413940		08-08-01	.059	<.006	<.020	2.2	E7	60	89.5
01413945		08-08-01	.237	<.006	<.020	1.7	E10	<10	7.1
01414310		08-08-01	.261	<.006	<.020	.80	<13	<10	<3.0
01414326		08-08-01	.276	<.006	<.020	.62	<13	<10	<3.0
01414331		08-08-01	.053	<.006	<.020	1.6	<13	230	59.0
01414335		08-08-01	.261	<.006	E.009	1.7	<13	20	E1.9
01414340		08-08-01	.204	<.006	<.020	1.2	<13	<10	E2.6
01414340		08-08-01	.201	<.006	<.020	.89	<13	M	E2.6
01414343		08-08-01	.111	<.006	<.020	1.7	<13	60	3.2
01414349		08-08-01	.197	<.006	<.020	.85	E8	<10	<3.0
01414353		08-08-01	.191	<.006	<.020	1.3	<13	<10	<3.0
01414500		08-08-01	.184	<.006	<.020	1.1	E7	<10	6.5
01414865		08-07-01	.167	E.003	.022	1.6	E10	20	15.9
01414866		08-07-01	E.038	<.006	E.013	1.5	16	10	5.2
01415000		08-07-01	.094	E.003	E.010	1.5	E11	100	35.7
01415438		08-07-01	.615	E.004	E.015	1.2	E10	<10	36.3
01415465		08-07-01	.408	E.003	.024	1.7	18	40	9.4

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Pepacton Watershed Baseflow - Water-quality Network--Continued

VALLEY-SEGMENT NETWORK - LOW-DETECTION-LIMIT ORTHOPHOSPHORUS ANALYSES

STATION NUMBER	STATION NAME	DATE	TIME	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
JULY				
01413070	EAST BRANCH DELAWARE RIVER AT MORE SETTLEMENT, NY	07-10-01	1050	.026
01413085	MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	07-10-01	1240	.018
01413088	EAST BRANCH DELAWARE RIVER AT ROXBURY NY	07-10-01	1005	.031
01413092	EAST BRANCH DELAWARE RIVER SOUTH OF ROXBURY, NY	07-10-01	0835	.018
0141309740	BATAVIA KILL BELOW VEGA NY	07-16-01	1040	.009
01413098	BATAVIA KILL NORTH OF DENVER, NY	07-16-01	1150	.010
01413099	BATAVIA KILL EAST OF KELLY CORNERS, NY	07-16-01	1300	.010
01413936	PLATTE KILL AT NEW KINGSTON, NY	07-10-01	1535	.011
01413945	PLATTE KILL SOUTH OF NEW KINGSTON, NY	07-10-01	1435	.012
01413949	WEAVER HOLLOW BROOK NEAR MARGARETVILLE NY	07-16-01	1040	.027
01414321	MILL BROOK TRIBUTARY NO.1 NEAR GRANT MILLS NY	07-17-01	1205	.009
01414310	MILL BROOK WEST OF BELLE AYR, NY	07-17-01	1105	.008
01414340	MILL BROOK AT GRANT MILLS, NY	07-17-01	0950	E.004
01414349	CROSS MOUNTAIN TRIBUTARY NEAR GRANT MILLS NY	07-17-01	0805	E.004
01414500	MILL BROOK NEAR DUNRAVEN NY	07-17-01	0810	E.004
01414500	MILL BROOK NEAR DUNRAVEN NY	07-17-01	0811	E.004
01414865	TREMPER KILL AT STATE HOLLOW ROAD NEAR ANDES, NY	07-16-01	1630	.017
01414868	WOLF HOLLOW BROOK SOUTH OF ANDES NY	07-16-01	1430	--
01414875	BUSSEY HOLLOW BROOK SOUTH OF ANDES NY	07-16-01	1335	.009
01415000	TREMPER KILL NEAR ANDES NY	07-16-01	1520	.011
01415438	TERRY CLOVE KILL EAST OF HAMDEN, NY	07-13-01	1005	.010
01415465	TERRY CLOVE KILL SOUTHEAST OF HAMDEN, NY	07-13-01	1050	.020
AUGUST				
01413070	EAST BRANCH DELAWARE RIVER AT MORE SETTLEMENT, NY	08-07-01	0835	.030
01413073	E BR DELAWARE RIVER TRIB BELOW MORE SETTLEMENT NY	08-07-01	0905	.018
01413088	EAST BRANCH DELAWARE RIVER AT ROXBURY NY	08-07-01	0950	.028
01413092	EAST BRANCH DELAWARE RIVER SOUTH OF ROXBURY, NY	08-07-01	0905	.010
0141309740	BATAVIA KILL BELOW VEGA NY	08-07-01	1005	.008
0141309740	BATAVIA KILL BELOW VEGA NY	08-07-01	1020	.008
0141309760	BATAVIA KILL TRIBUTARY NO.5 BELOW VEGA NY	08-07-01	1105	.007
01413098	BATAVIA KILL NORTH OF DENVER, NY	08-07-01	1135	.011
01413099	BATAVIA KILL EAST OF KELLY CORNERS, NY	08-07-01	1050	.012
01413936	PLATTE KILL AT NEW KINGSTON, NY	08-08-01	0735	.011
01413940	PLATTE KILL TRIBUTARY BELOW NEW KINGSTON NY	08-08-01	0855	E.006
01413945	PLATTE KILL SOUTH OF NEW KINGSTON, NY	08-08-01	0755	.011
01414310	MILL BROOK WEST OF BELLE AYR, NY	08-08-01	1135	E.005
01414326	MILL BROOK NEAR GRANT MILLS NY	08-08-01	1525	E.004
01414331	MILL BROOK TRIBUTARY NO.2 AT GRANT MILLS NY	08-08-01	1335	E.006
01414335	MILL BROOK TRIBUTARY NO.3 AT GRANT MILLS NY	08-08-01	1220	.017
01414340	MILL BROOK AT GRANT MILLS, NY	08-08-01	1005	<.007
01414340	MILL BROOK AT GRANT MILLS, NY	08-08-01	1015	<.007
01414343	MILL BROOK TRIBUTARY NO.4 AT GRANTS MILLS NY	08-08-01	1145	.011
01414349	CROSS MOUNTAIN TRIBUTARY NEAR GRANT MILLS NY	08-08-01	1005	E.004
01414353	MILL BROOK TRIBUTARY NO.5 NEAR GRANT MILLS NY	08-08-01	0935	E.006
01414500	MILL BROOK NEAR DUNRAVEN NY	08-08-01	0855	<.007
01414865	TREMPER KILL AT STATE HOLLOW ROAD NEAR ANDES, NY	08-07-01	1700	.017
01414866	TREMPER KILL TRIBUTARY BELOW ANDES NY	08-07-01	1705	.007
01415000	TREMPER KILL NEAR ANDES NY	08-07-01	1605	E.006
01415438	TERRY CLOVE KILL EAST OF HAMDEN, NY	08-07-01	1345	.012
01415465	TERRY CLOVE KILL SOUTHEAST OF HAMDEN, NY	08-07-01	1335	.020

Pepacton Watershed Baseflow - Water-quality Network--Continued

PESTICIDE ANALYSIS

STATION	NUMBER	STATION NAME	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO- CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)
01413085		MONTGOMERY HOLLOW BROOK NEAR ROXBURY NY	07-19-01	0915	.51	<.002	<.05	<.05
01413092		EAST BRANCH DELAWARE RIVER SOUTH OF ROXBURY, NY	07-10-01	0830	9.5	<.002	<.05	<.05
0141309730		TRIBUTARY TO BATAVIA KILL, AT VEGA NY	12-04-00	1100	.84	<.002	<.05	<.05
0141309730		TRIBUTARY TO BATAVIA KILL, AT VEGA NY	07-19-01	1030	.13	<.002	<.05	<.05
0141309740		BATAVIA KILL BELOW VEGA NY	12-04-00	1140	9.7	<.002	<.05	<.05
0141309740		BATAVIA KILL BELOW VEGA NY	07-19-01	1110	2.4	<.002	<.05	<.05
*0141309740		BATAVIA KILL BELOW VEGA NY	07-19-01	1111	2.4	<.002	<.05	<.05
01413274		RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	03-27-01	1045	--	<.002	<.05	<.05
01413274		RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	05-03-01	1310	--	<.002	<.05	<.05
01413274		RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	07-20-01	0950	.37	<.002	<.05	<.05
01413274		RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	08-29-01	1035	--	<.002	<.05	<.05
01413274		RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	10-03-01	1200	--	<.002	<.05	<.05
01413274		RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	10-22-01	1615	--	<.002	<.05	<.05
01413274		RIDER HOLLOW BROOK EAST OF MAPLEDALE NY	11-15-01	1215	--	<.002	<.05	<.05
01413276		RIDER HOLLOW BROOK NEAR MAPLEDALE NY	12-07-00	1340	4.9	<.002	<.05	<.05
01413276		RIDER HOLLOW BROOK NEAR MAPLEDALE NY	06-28-01	1500	--	<.002	<.05	<.05
01413276		RIDER HOLLOW BROOK NEAR MAPLEDALE NY	07-20-01	0945	1.5	<.002	<.05	<.05
01413303		VLY CREEK ABOVE HALCOTT CENTER NY	12-07-00	1600	3.3	<.002	<.05	<.05
01413303		VLY CREEK ABOVE HALCOTT CENTER NY	07-20-01	0750	.71	<.002	<.05	<.05
01413306		VLY CREEK NEAR HALCOTT CENTER NY	12-04-00	1500	15	<.002	<.05	<.05
01413306		VLY CREEK NEAR HALCOTT CENTER NY	07-19-01	1510	2.0	<.002	<.05	<.05
01413343		LITTLE RED KILL ABOVE FLEISCHMANN'S NY	07-19-01	1305	.02	<.002	<.05	<.05
01413346		RED KILL ABOVE FLEISCHMANN'S NY	12-04-00	1300	4.1	<.002	<.05	<.05
01413346		RED KILL ABOVE FLEISCHMANN'S NY	07-19-01	1240	1.1	<.002	<.05	<.05
01413920		WINTER HOLLOW BROOK AT NEW KINGSTON NY	12-07-00	0750	2.7	<.002	<.05	<.05
01413920		WINTER HOLLOW BROOK AT NEW KINGSTON NY	07-19-01	1000	.21	<.002	<.05	<.05
01413930		SANFORD HOLLOW BROOK AT NEW KINGSTON NY	12-06-00	1615	2.5	<.002	<.05	<.05
01413930		SANFORD HOLLOW BROOK AT NEW KINGSTON NY	03-27-01	0940	--	<.002	<.05	<.05
01413930		SANFORD HOLLOW BROOK AT NEW KINGSTON NY	05-03-01	0900	--	<.002	<.05	<.05
01413930		SANFORD HOLLOW BROOK AT NEW KINGSTON NY	06-28-01	1615	--	<.002	<.05	<.05
01413930		SANFORD HOLLOW BROOK AT NEW KINGSTON NY	07-19-01	0930	.48	<.002	<.05	<.05
01413930		SANFORD HOLLOW BROOK AT NEW KINGSTON NY	08-29-01	1130	--	<.002	<.05	<.05
01413930		SANFORD HOLLOW BROOK AT NEW KINGSTON NY	10-03-01	1600	--	<.002	<.05	<.05
01413930		SANFORD HOLLOW BROOK AT NEW KINGSTON NY	10-22-01	1415	--	<.002	<.05	<.05
01413930		SANFORD HOLLOW BROOK AT NEW KINGSTON NY	11-15-01	1300	--	<.002	<.05	<.05
01413945		PLATTE KILL SOUTH OF NEW KINGSTON, NY	07-10-01	1430	4.5	<.002	<.05	<.05
01413950		WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	12-06-00	1530	2.8	<.002	<.05	<.05
01413950		WEAVER HOLLOW BROOK BELOW NEW KINGSTON NY	07-19-01	1045	.40	<.002	<.05	<.05
01413990		BRYANT'S BROOK ABOVE DUNRAVEN NY	12-06-00	1050	4.1	<.002	<.05	<.05
01413990		BRYANT'S BROOK ABOVE DUNRAVEN NY	07-19-01	1130	.70	<.002	<.05	<.05
01414280		MILL BROOK EAST OF BELLE AYR NY	12-07-00	1440	2.5	<.002	<.05	<.05
01414280		MILL BROOK EAST OF BELLE AYR NY	07-20-01	0830	.59	<.002	<.05	<.05
01414290		MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	12-07-00	1205	2.1	<.002	<.05	<.05
01414290		MILL BROOK TRIBUTARY WEST OF BELLE AYR NY	07-20-01	0730	1.0	<.002	<.05	<.05
01414500		MILL BROOK NEAR DUNRAVEN NY	07-17-01	0806	9.5	<.002	--	--
01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	12-06-00	1305	1.3	<.002	<.05	<.05
01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	03-27-01	0840	--	<.002	<.05	<.05
01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	05-03-01	1030	--	<.002	<.05	<.05
01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	06-28-01	1715	--	<.002	<.05	<.05
01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	07-19-01	1330	.18	<.002	<.05	<.05
01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	08-29-01	1230	--	<.002	<.05	<.05
*01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	08-29-01	1240	--	<.002	<.05	<.05
01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	10-03-01	1500	--	<.002	<.05	<.05
*01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	10-03-01	1510	--	<.002	<.05	<.05
01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	10-23-01	0800	--	<.002	<.05	<.05
01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	11-15-01	1400	--	<.002	<.05	<.05
*01414835		GLADSTONE HOLLOW BROOK NORTH OF ANDES NY	11-15-01	1401	--	<.002	<.05	<.05
01414840		GLADSTONE HOLLOW BROOK NEAR ANDES NY	12-06-00	1140	4.1	<.002	<.05	<.05
*01414840		GLADSTONE HOLLOW BROOK NEAR ANDES NY	12-06-00	1141	4.1	<.002	<.05	<.05
01414840		GLADSTONE HOLLOW BROOK NEAR ANDES NY	07-19-01	1230	1.4	<.002	<.05	<.05
*01414840		GLADSTONE HOLLOW BROOK NEAR ANDES NY	07-19-01	1231	1.4	<.002	<.05	<.05
01414860		CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	12-06-00	1430	.45	<.002	<.05	<.05
01414860		CAMPBELL HOLLOW BROOK SOUTH OF ANDES NY	07-19-01	1415	.09	<.002	<.05	<.05
01415000		TRIMPER KILL NEAR ANDES NY	07-16-01	1515	6.9	<.002	<.05	<.05
01415465		TERRY CLOVE KILL SOUTHEAST OF HAMDEN, NY	07-13-01	1045	1.6	<.002	<.05	<.05
01416870		CAT HOLLOW BROOK NEAR DOWNSVILLE NY	07-19-01	1615	.51	<.002	<.05	<.05
01416895		PEPACTON RESERVOIR WEST END TRIB, NR DOWNSVILLE NY	07-19-01	1545	.01	<.002	<.05	<.05

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Pepacton Watershed Baseflow - Water-quality Network--Continued

PESTICIDE ANALYSIS--Continued

STATION	NUMBER	DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR OA FLTRD 0.7 U GF REC (UG/L) (61031)	ALA- CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)
01413085		07-19-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413092		07-10-01	<.004	<.05	<.050	<.002	<.005	E.007	<.010	<.002	<.041	<.020	<.005
0141309730		12-04-00	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
0141309730		07-19-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
0141309740		12-04-00	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
0141309740		07-19-01	<.004	<.05	<.050	<.002	<.005	E.004	<.010	<.002	<.041	<.020	<.005
0141309740		07-19-01	<.004	<.05	<.050	<.002	<.005	E.003	<.010	<.002	<.041	<.020	<.005
01413274		03-27-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413274		05-03-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413274		07-20-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413274		08-29-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413274		10-03-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413274		10-22-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413274		11-15-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413276		12-07-00	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413276		06-28-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413276		07-20-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413303		12-07-00	<.004	<.05	<.050	<.002	<.005	E.003	<.010	<.002	<.041	<.020	<.005
01413303		07-20-01	<.004	<.05	<.050	<.002	<.005	.008	<.010	<.002	<.041	<.020	<.005
01413306		12-04-00	<.004	<.05	<.050	<.002	<.005	E.002	<.010	<.002	<.041	<.020	<.005
01413306		07-19-01	<.004	<.05	<.050	<.002	<.005	.009	<.010	<.002	<.041	<.020	<.005
01413343		07-19-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413346		12-04-00	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413346		07-19-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413920		12-07-00	<.004	<.05	<.050	<.002	<.005	E.007	<.010	<.002	<.041	<.020	<.005
01413920		07-19-01	<.004	<.05	<.050	<.002	<.005	.059	<.010	<.002	<.041	<.020	<.005
01413930		12-06-00	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413930		03-27-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413930		05-03-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413930		06-28-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413930		07-19-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413930		08-29-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413930		10-03-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413930		10-22-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413930		11-15-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413945		07-10-01	<.004	<.05	<.050	<.002	<.005	.017	<.010	<.002	<.041	<.020	<.005
01413950		12-06-00	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413950		07-19-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01413990		12-06-00	<.004	<.05	<.050	<.002	<.005	E.002	<.010	<.002	<.041	<.020	<.005
01413990		07-19-01	<.004	<.05	<.050	<.002	<.005	E.004	<.010	<.002	<.041	<.020	<.005
01414280		12-07-00	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414280		07-20-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414290		12-07-00	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414290		07-20-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414500		07-17-01	<.004	--	--	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414835		12-06-00	<.004	<.05	.050	<.002	<.005	E.002	<.010	<.002	<.041	<.020	<.005
01414835		03-27-01	<.004	<.05	.090	<.002	<.005	E.003	<.010	<.002	<.041	<.020	<.005
01414835		05-03-01	<.004	<.05	<.050	<.002	<.005	E.003	<.010	<.002	<.041	<.020	<.005
01414835		06-28-01	<.004	<.05	.090	<.002	<.005	.011	<.010	<.002	<.041	<.020	<.005
01414835		07-19-01	<.004	<.05	<.050	<.002	<.005	E.006	<.010	<.002	<.041	<.020	<.005
01414835		08-29-01	<.004	<.05	.080	<.002	<.005	E.004	<.010	<.002	<.041	<.020	<.005
01414835		08-29-01	<.004	<.05	.070	<.002	<.005	E.004	<.010	<.002	<.041	<.020	<.005
01414835		10-03-01	<.004	<.05	.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414835		10-03-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414835		10-23-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414835		11-15-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414835		11-15-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414840		12-06-00	<.004	<.05	.070	<.002	<.005	E.002	<.010	<.002	<.041	<.020	<.005
01414840		12-06-00	<.004	<.05	.060	<.002	<.005	E.002	<.010	<.002	<.041	<.020	<.005
01414840		07-19-01	<.004	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005
01414840		07-19-01	<.004	<.05	<.050	<.002	<.005	E.005	<.010	<.002	<.041	<.020	<.005
01414860		12-06-00	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01414860		07-19-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01415000		07-16-01	<.004	<.05	<.050	<.002	<.005	.007	<.010	<.002	<.041	<.020	<.005
01415465		07-13-01	<.004	<.05	<.050	<.002	<.005	.012	<.010	<.002	<.041	<.020	<.005
01416870		07-19-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
01416895		07-19-01	<.004	<.05	<.050	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005

PESTICIDE ANALYSIS--Continued

STATION	NUMBER	DATE	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DIMETH- ENAMID OXA, WATER FLT, REC (UG/L) (62482)	DIMETH- ENAMID, ESA, WAT FLT (UG/L) (61951)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
01413085		07-19-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413092		07-10-01	<.018	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
0141309730		12-04-00	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
0141309730		07-19-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
0141309740		12-04-00	<.018	<.003	E.001	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
0141309740		07-19-01	<.018	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
0141309740		07-19-01	<.018	<.003	E.002	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413274		03-27-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413274		05-03-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413274		07-20-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413274		08-29-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413274		10-03-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413274		10-22-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413274		11-15-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413276		12-07-00	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413276		06-28-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413276		07-20-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413303		12-07-00	<.018	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413303		07-20-01	<.018	<.003	E.011	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413306		12-04-00	<.018	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413306		07-19-01	<.018	<.003	E.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413343		07-19-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413346		12-04-00	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413346		07-19-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413920		12-07-00	<.018	<.003	E.009	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413920		07-19-01	<.018	<.003	E.009	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413930		12-06-00	<.018	<.003	E.001	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413930		03-27-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413930		05-03-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413930		06-28-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413930		07-19-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413930		08-29-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413930		10-03-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413930		10-22-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413930		11-15-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413945		07-10-01	<.018	<.003	E.007	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413950		12-06-00	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413950		07-19-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413990		12-06-00	<.018	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01413990		07-19-01	<.018	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414280		12-07-00	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414280		07-20-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414290		12-07-00	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414290		07-20-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414500		07-17-01	<.018	<.003	<.006	<.005	<.005	--	--	<.021	<.002	<.009	<.005
01414835		12-06-00	<.018	<.003	E.002	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		03-27-01	<.018	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		05-03-01	<.018	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		06-28-01	<.018	<.003	E.005	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		07-19-01	<.018	<.003	E.003	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		08-29-01	<.018	<.003	E.002	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		08-29-01	<.018	<.003	E.001	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		10-03-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		10-03-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		10-23-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		11-15-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414835		11-15-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414840		12-06-00	<.018	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414840		12-06-00	<.018	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414840		07-19-01	<.018	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414840		07-19-01	<.018	<.003	E.004	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414860		12-06-00	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01414860		07-19-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01415000		07-16-01	<.018	<.003	E.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01415465		07-13-01	<.018	<.003	E.007	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01416870		07-19-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005
01416895		07-19-01	<.018	<.003	<.006	<.005	<.005	<.0500	<.05	<.021	<.002	<.009	<.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES

Pepacton Watershed Baseflow - Water-quality Network--Continued

PESTICIDE ANALYSIS--Continued

STATION	NUMBER	DATE	FLUFEN- ACET, ESA, WAT FLT (UG/L) (61952)	FLUFE- NACET OXA WATER FLT, REC (UG/L) (62483)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA- CHLOR ESA FLTRD 0.7 U GF REC (UG/L) (61043)	METOLA- CHLOR OA FLTRD 0.7 U GF REC (UG/L) (61044)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)
01413085		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413092		07-10-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.07	<.05	E.004
0141309730		12-04-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
0141309730		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
0141309740		12-04-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	E.001
0141309740		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
0141309740		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413274		03-27-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413274		05-03-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413274		07-20-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413274		08-29-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413274		10-03-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413274		10-22-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413274		11-15-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413276		12-07-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413276		06-28-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413276		07-20-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413303		12-07-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.20	<.05	E.004
01413303		07-20-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	.42	<.05	E.006
01413306		12-04-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.14	<.05	E.002
01413306		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	.15	<.05	<.013
01413343		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413346		12-04-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413346		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413920		12-07-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.18	<.05	E.005
01413920		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	.10	<.05	E.005
01413930		12-06-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413930		03-27-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413930		05-03-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413930		06-28-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413930		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413930		08-29-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413930		10-03-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413930		10-22-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413930		11-15-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413945		07-10-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	<.013
01413950		12-06-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413950		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01413990		12-06-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.10	<.05	E.001
01413990		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01414280		12-07-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01414280		07-20-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01414290		12-07-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01414290		07-20-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01414500		07-17-01	--	--	<.003	<.004	<.035	<.027	<.050	<.006	--	--	<.013
01414835		12-06-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	<.013
01414835		03-27-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.09	<.05	<.013
01414835		05-03-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01414835		06-28-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.07	<.05	<.013
01414835		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	.06	<.05	<.013
01414835		08-29-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.15	<.05	<.013
01414835		08-29-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.15	<.05	<.013
01414835		10-03-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	<.013
01414835		10-03-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	<.013
01414835		10-23-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.09	<.05	<.013
01414835		11-15-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.07	<.05	<.013
01414835		11-15-01	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	<.013
01414840		12-06-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.16	<.05	<.013
01414840		12-06-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.14	<.05	<.013
01414840		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	.11	<.05	<.013
01414840		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	.10	<.05	<.013
01414860		12-06-00	<.05	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01414860		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01415000		07-16-01	--	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.08	<.05	<.013
01415465		07-13-01	--	<.0500	<.003	<.004	<.035	<.027	<.050	<.006	.31	<.05	E.006
01416870		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013
01416895		07-19-01	<.05	--	<.003	<.004	<.035	<.027	<.050	<.006	<.05	<.05	<.013

PESTICIDE ANALYSIS--Continued

STATION	NUMBER	DATE	METRI-	MOL-	NAPROP-	P, P'	PARA-	PB-	PENDI-	PER-	PHORATE	PRO-	PRON-	
			BUZIN	INATE	AMIDE			ULATE	METH-	METHRIN				AMIDE
			SENSOR	WATER	FLTRD			FLTRD	WATER	WATER				ALIN
			0.7 U	0.7 U	0.7 U	DDE	THION,	FILTRD	WAT FLT	WAT FLT	FLTRD	WATER,		
			(UG/L)	(UG/L)	(UG/L)	(UG/L)	DIS-	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
			(82630)	(82671)	(82684)	(34653)	(39542)	(82669)	(82683)	(82687)	(82664)	(04037)	(82676)	
01413085		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413092		07-10-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
0141309730		12-04-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
0141309730		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
0141309740		12-04-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
0141309740		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
0141309740		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413274		03-27-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413274		05-03-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413274		07-20-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413274		08-29-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413274		10-03-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413274		10-22-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413274		11-15-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413276		12-07-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413276		06-28-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413276		07-20-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413303		12-07-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413303		07-20-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413306		12-04-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413306		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413343		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413346		12-04-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413346		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413920		12-07-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413920		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413930		12-06-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413930		03-27-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413930		05-03-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413930		06-28-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413930		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413930		08-29-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413930		10-03-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413930		10-22-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413930		11-15-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413945		07-10-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413950		12-06-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413950		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413990		12-06-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01413990		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414280		12-07-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414280		07-20-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414290		12-07-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414290		07-20-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414500		07-17-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		12-06-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		03-27-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		05-03-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		06-28-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		08-29-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		08-29-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		10-03-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		10-03-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		10-23-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		11-15-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414835		11-15-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414840		12-06-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414840		12-06-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414840		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414840		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414860		12-06-00	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01414860		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01415000		07-16-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01415465		07-13-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01416870		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	
01416895		07-19-01	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	

PESTICIDE ANALYSIS--Continued

STATION	NUMBER	DATE	PROPA- CHLOR, WATER, DISS, REC	PRO- PANIL WATER FLTRD 0.7 U GF, REC	PRO- PARGITE WATER FLTRD 0.7 U GF, REC	SI- MAZINE, WATER, DISS, REC	TEBU- THIURON WATER FLTRD 0.7 U GF, REC	TER- BACIL WATER FLTRD 0.7 U GF, REC	TER- BUFOS WATER FLTRD 0.7 U GF, REC	THIO- BENCARB WATER FLTRD 0.7 U GF, REC	TRIAL- LATE WATER FLTRD 0.7 U GF, REC	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC
			(UG/L) (04024)	(UG/L) (82679)	(UG/L) (82685)	(UG/L) (04035)	(UG/L) (82670)	(UG/L) (82665)	(UG/L) (82675)	(UG/L) (82681)	(UG/L) (82678)	(UG/L) (82661)
01413085		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413092		07-10-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0141309730		12-04-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0141309730		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0141309740		12-04-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0141309740		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
0141309740		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413274		03-27-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413274		05-03-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413274		07-20-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413274		08-29-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413274		10-03-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413274		10-22-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413274		11-15-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413276		12-07-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413276		06-28-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413276		07-20-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413303		12-07-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413303		07-20-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413306		12-04-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413306		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413343		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413346		12-04-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413346		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413920		12-07-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413920		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413930		12-06-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413930		03-27-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413930		05-03-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413930		06-28-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413930		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413930		08-29-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413930		10-03-01	<.010	<.011	<.023	E.006	<.016	<.034	<.017	<.005	<.002	<.009
01413930		10-22-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413930		11-15-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413945		07-10-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413950		12-06-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413950		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413990		12-06-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01413990		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414280		12-07-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414280		07-20-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414290		12-07-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414290		07-20-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414500		07-17-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		12-06-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		03-27-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		05-03-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		06-28-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		08-29-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		08-29-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		10-03-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		10-03-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		10-23-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		11-15-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414835		11-15-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414840		12-06-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414840		12-06-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414840		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414840		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414840		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414860		12-06-00	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01414860		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01415000		07-16-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01415465		07-13-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01416870		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
01416895		07-19-01	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009

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