USGS
science for a changing world

Water Resources Data New York Water Year 2000

Volume 1. Eastern New York Excluding Long Island

Water-Data Report NY-00-1

U.S. Department of the Interior
U.S. Geological Survey

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

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

U.S. DEPARTMENT OF THE INTERIOR

GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY

Charles G. Groat, Director

For information on the water program in New York write to:

District Chief, Water Resources Division

U.S. Geological Survey

425 Jordan Road

Troy, NY 12180-8349

or access the USGS on the world wide web:

http://www.usgs.gov or http://wwwdnyalb.er.usgs.gov
or http://ny.usgs.gov

2001

NEW YORK DISTRICT

OFFICE LOCATIONS AND ADDRESSES

District Office:
U.S. Geological Survey
Water Resources Division
425 Jordan Road
Troy, NY 12180-8349
(518)285-5600
FAX (518)285-5601

Ithaca Subdistrict Office:
U.S. Geological Survey
Water Resources Division
30 Brown Road
Ithaca, NY 14850-1572
(607)266-0217
FAX (607)266-0521

Coram Subdistrict Office:
U.S. Geological Survey
Water Resources Division
2045 Route 112, Bldg. 4
Coram, NY 11727
(631)736-0783
FAX (516)736-4283

Potsdam Field Office:
U.S. Geological Survey
Water Resources Division
22 Depot Street, Box U
Potsdam, NY 13676
(315)265-4410
FAX (315)265-2166

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:

L. T. Brooks
F. D. Byrd
M. D. Corse
D. D. Edwards
J. A. Gardner II
G. J. Hebert
M. E. Hendricks
H. G. Lent
R. Lumia
K. McGrath
K. J. Pizzarelli
K. D. Reisig
J. A. Robideau
J. C. Stalker
G. R. Wall
B. J. Zatorsky

This report was prepared in cooperation with the State of New York and with other agencies under the general supervision of L. G. Moore, District Chief, New York.

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

1. AGENCY USE ONLY *(Leave blank)*	2. REPORT DATE	3. REPORT TYPE AND DATES COVERED
	2001	Annual/Oct. 1, 1999 - Sept. 30, 2000

4. TITLE AND SUBTITLE
Water Resources Data New York--Water Year 2000
Volume 1. Eastern New York excluding Long Island

5. FUNDING NUMBERS

6. AUTHOR(S)
Gerard K. Butch, Patricia M. Murray, Thomas P. Suro, Jay F. Weigel

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
U.S. Geological Survey, WRD
425 Jordan Road
Troy, New York 12180-8349

8. PERFORMING ORGANIZATION REPORT NUMBER
USGS-WDR-NY-00-1

9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)
U.S. Geological Survey, WRD
425 Jordan Road
Troy, New York 12180-8349

10. SPONSORING / MONITORING AGENCY REPORT NUMBER
USGS-WDR-NY-00-1

11. SUPPLEMENTARY NOTES
Prepared in cooperation with Federal, State, and Local agencies

12a. DISTRIBUTION / AVAILABILITY STATEMENT
No restrictions on distribution. This report may be purchased from:
National Technical Information Services
Springfield, Va 22161

12b. DISTRIBUTION CODE

13. ABSTRACT *(Maximum 200 words)*

Water resources data for the 2000 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and ground-water levels. This volume contains records for water discharge at 139 gaging stations; stage only at 10 gaging stations; stage and contents at 4 gaging stations, and 18 other lakes and reservoirs; water quality at 32 gaging stations; and water levels at 5 observation wells. Also included are data for 34 crest-stage partial-record stations. Locations of all these sites are shown on figure 8. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements and analyses. These data together with the data in volumes 2 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Municipal, and Federal agencies in New York.

14. SUBJECT TERMS
*New York, *Hydrologic, *Surface Water, *Ground Water, *Water Quality, *Streamflow, Flow rates, Gaging stations, Lakes, Reservoirs, Chemical Analysis, Sediments, Water analysis, Water temperatures, Water levels, Water wells, Data Collection sites

15. NUMBER OF PAGES
509

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
unclassified			

ILLUSTRATIONS

TABLE

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

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]

* * * * * * * * * * * * * * * * *

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	9.20	1944-89
Beaver Swamp Brook Basin			
Beaver Swamp Brook at Mamaroneck, NY (d)	01300500	4.59	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	5.76	1944-89
Bronx River Basin			
Bronx River at Bronxville, NY (d)	01302000	26.5	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	14.7	1947-82
Hudson River at Schuylerville, NY (d)	01329650	3,440	1977-79
Kayaderosseras Creek near West Milton, NY (d)	01330500	90.0	1927-95
Little Hoosic River at Petersburg, NY (d)	01333500*	56.1	1952-96
Hoosic River at Buskirk, NY (d)	01335000	577	1903-09
Hudson River at Mechanicville, NY (d)	01335500	4,500	1896-1956
Oriskany Creek at Colemans Mills, NY (g)	01337995	134	1904-06
Oriskany Creek near Oriskany, NY (d)	01338000	139	1901-05
Oriskany Creek at State Dam at Oriskany, NY (d)	01338500	140	1899-1901 1904-05
Sauquoit Creek at New York Mills, NY (d)	01339000	46.6	1898-1900
Mohawk River at Utica, NY (d)	01340000	514	1901-03
Reall Creek near Utica, NY (d)	01340500	5.68	1901-05
Johnston Brook near Utica, NY (d)	01341000	0.62	1903-05
Sylvan Glen Creek near New Hartford, NY (d)	01341500	1.10	1904-07
Graefenberg Creek near New Hartford, NY (d)	01342000	0.35	1903-07
Starch Factory Creek near New Hartford, NY (d)	01342500	3.66	1903-07

Station name	Station number	Drainage area (mi^2)	Period of record
Hudson River Basin--continued			
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
Otsquago Creek at Fort Plain, NY (d)	01349000	61.0	1950-89
Cayadutta Creek near Johnstown, NY (d)	01349500	38.4	1899-1900
Silver Lake Outlet at Hensonville, NY (d)	01349858	6.66	1976-77
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
Lisha Kill northwest of Niskayuna, NY (d)	01356190	15.6	1993-97
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	32.6	1958-95
Coeymans Creek near Selkirk, NY (d)	01359902	35.1	1967-77
Silver Creek at Dormansville, NY (d)	01359918	2.90	1978-81
Hannicrois Creek near New Baltimore, NY (d)	01359924	61.6	1968-77
Kinderhook Creek near Garfield, NY (d)	01360000	62.8	1893-1895
Kinderhook Creek at East Nassau, NY (d)	01360500	116	1892-1893
Kinderhook Creek at Rossman, NY (d)	01361000*	329	1906-14
			1928-68
Claverack Creek at Claverack, NY (d)	01361200	60.6	1960-68
			1993-95
Catskill Creek at Oak Hill, NY (d)	01361500*	98.0	1929-77
Tenmile Creek at Oak Hill, NY (d)	01361570	35.3	1969-78
Catskill Creek at South Cairo, NY (d)	01362000	270	1901-07
Roeliff Jansen Kill near Hillsdale, NY (d)	01362100*	27.5	1957-60
Esopus Creek at Shandaken, NY (d)	01362198	59.5	1964-88
Esopus Creek near Olivebridge, NY (d)	01363500	239	1903-04
			1907-14
Esopus Creek at Kingston, NY (d)	01364000	317	1901-09
Saw Kill at Red Hook, NY (d)	01364800	20.9	1959-66
Chestnut Creek above Red Brook at Grahamsville, NY (d)	01365450	12.2	1937-39
Rondout Creek near Lackawack, NY (d)	01366500	100	1932-67
Sandburg Creek at Ellenville, NY (d)	01366650	56.7	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

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	25.6	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
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

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*	128	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	27.0	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	30.3	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	182	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
Chateaugay River near Chateaugay, NY (d)	04270500	112	1908-09 1927-66

Station name	Station number	Drainage area (mi^2)	Period of record
St. Lawrence River Basin--continued			
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

* * * * * * * * * * * * * * * * *

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

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

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

Station name	Station number	Drainage area (mi^2)	Type of record	Period of record
Hudson River Basin				
Hudson River at Glens Falls, NY	01327600	2,807	S.S.	1977
Hudson River at Rogers Island at Fort Edward, NY	01327755*	2,817	S.S.	1978-79
Hudson River at Schuylerville, NY	01329650	3,440	S.S.	1977-79
Glowegee Creek near West Milton, NY	01329995	21.5	Temp.	1967-73
			S.C.	1967-73
Glowegee Creek at West Milton, NY	01330000	26.0	Temp.	1954-73
			S.C.	1965-73
Kayaderosseras Creek near West Milton, NY	01330500	90.0	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
Fall Kill at Poughkeepsie, NY	01372051	18.8	Temp.	1993-95

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 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	25.6	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

Station name	Station number	Drainage area (mi^2)	Period of documented record
Blind Brook Basin			
Blind Brook at Rye, NY	01300000*	9.20	1999
Mamaroneck River Basin			
Mamaroneck River at Winfield Avenue at Mamaroneck, NY	01300800	14.5	1972 1983-87
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	7.16	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
Fulmer Creek at Mohawk, NY	01342750	26.1	1963-68
Mohawk River Tributary at Indian Castle, NY	01346820	1.36	1974-86
Flat Creek at Sprakers, NY	01349250	52.2	1963-64,1967
Allston Creek near Randall, NY	01349360	1.03	1974-86
East Kill near Jewett Center, NY	01349700**	35.6	1951,1956,1960, 1965-74,1987,1996
West Kill near West Kill, NY	01349810**	27.0	1965-69
Batavia Kill at Hensonville, NY	01349850	13.5	1955,1960,1965,1968, 1972-93,1996,1999
Batavia Kill at Ashland, NY	01349920	62.0	1956,1960, 1965-70,1972,1974
Schoharie Creek at Middleburg, NY	01350500*	532	1907-18
Beaverdam Creek near Knox, NY	01350900	6.91	1963-86
Switz Kill near Berne, NY	01350950	28.3	1963-66,1968-72
Fox Creek at West Berne, NY	01351000*	67.2	1969-74,1987
Fox Creek near Schoharie, NY	01351200	99.0	1957-64,1987
Cobleskill Creek at Cobleskill, NY	01351300	106	1963-66,1974,1987
Schoharie Creek Tributary No. 2 at Eaton Corners, NY	01351610	1.24	1968-78
Schoharie Creek near Fort Hunter, NY	01352000	911	1901-03
Sandsea Kill at Pattersonville, NY	01354200	9.60	1960,1965,1971-72, 1974,1976-84,1986
Plotter Kill at Rynex Corners, NY	01354300	3.70	1958,1960-68, 1970-74,1976-86
Indian Kill near Glenville Center, NY	01355405	3.11	1968-71,1974-86
Patroon Creek at Northern Boulevard at Albany, NY	01359133	13.1	1979-83
Hunger Kill at Guilderland, NY	01359513*	8.16	1999
Moordener Kill at Castleton-on-Hudson, NY	01359750*	32.6	1999
Coeymans Creek near Selkirk, NY	01359902*	35.1	1996,1999
Hannicrois Creek near New Baltimore, NY	01359924*	61.6	1996,1999
Claverack Creek at Claverack, NY	01361200*	60.6	1969-80
Tributary to Taghkanic Creek Tributary near Craryville, NY	01361245	0.39	1982-86
Catskill Creek Tributary at Franklinton, NY	01361453	3.61	1968-87
Shingle Kill at Cairo, NY	01361900	13.9	1953-56,1960, 1965-87,1996,1999
Dry Brook at West Shokan, NY	01363388	1.67	1976,1978-87
Plattekill Creek at Mount Marion, NY	01364400	36.6	1962-64,1968-74
Beer Kill at Ellenville, NY	01366750	43.3	1962-71
Coxing Kill near High Falls, NY	01366950	12.6	1962-64,1966, 1968-74
Wallkill River near Unionville, NY	01368000*	140	1984,1989-93
Wallkill River near Pine Island, NY	01368100	162	1989-93
Indigot Creek Tributary near Mount Hope, NY	01368495	5.78	1973-75
Wawayanda Creek at Durland, NY	01368713	5.09	1971-80

DISCONTINUED CREST-STAGE PARTIAL-RECORD STATIONS
(continued)

Station name	Station number	Drainage area (mi^2)	Period of documented record
Hudson River Basin--continued			
Long House Creek at Bellvale, NY	01368724	11.8	1971-80
Wawayanda Creek at New Milford, NY	01368810	44.8	1971-80
Wallkill River 0.9 mi abv Pellets Island nr Middletown, NY	01369810	373	1991-93
Wallkill River 0.8 mi abv Pellets Island nr Middletown, NY	01369820	373	1990-93
Wallkill River .45 mi abv Pellets Island nr Middletown, NY	01369992	373	1989-92
Wallkill River .35 mi abv Pellets Island nr Middletown, NY	01369995	374	1989-92
Wallkill River at Pellets Island, NY	01370000*	380	1984,1989-93
Wallkill River at Denton, NY	01370030	385	1989-93
Wallkill River near Phillipsburg, NY	01370500*	406	1936,1989-93
Dwaar Kill near Searsville, NY	01370836	12.8	1974-75
Shawangunk Kill at Ganahgote, NY	01371400	147	1952,1955-56, 1962-65,1967-69
Landsman Kill at Rhinebeck, NY	01372010	11.4	1962-63,1966-69
Landsman Kill near Rhinecliff, NY	01372020	22.7	1962
Crum Elbow Creek at Hyde Park, NY	01372040*	17.3	1963-76
Wappinger Creek near Clinton Corners, NY	01372200*	92.4	1977-82,1984
Sprout Creek near Fishkill Plains, NY	01372900	51.4	1962-63,1965-69
Clove Creek near North Highland, NY	01372948	12.1	1975-80
Seely Brook near Chester, NY	01373600*	12.8	1971-72
Woodbury Creek near Highland Mills, NY	01373690*	11.2	1971-72,1977-84
Canopus Creek at Oscawana Corners, NY	01374130	8.30	1975-86
Cedar Pond Brook at Stony Point, NY	01374440*	17.3	1956,1963-68, 1975-79
South Branch Minisceongo Creek Trib. near Mount Ivy, NY	01374456	0.90	1976-79
South Branch Minisceongo Creek at Mount Ivy, NY	01374458	5.19	1976-79
South Branch Minisceongo Creek at Thiells, NY	01374460	5.86	1960-76,1978
Minisceongo Creek at Thiells, NY	01374480*	15.1	1977-79
Haviland Hollow Brook near Putnam Lake, NY	01374494	12.2	1977-80
Lake Carmel Inlet at Kent Corners, NY	01374645	10.3	1975-80
Saw Mill River at Eastview, NY	01376410	12.5	1975,1977-80
Saw Mill River at Elmsford, NY	01376420	15.4	1979-93,1999
Saw Mill River at Yonkers, NY	01376500*	25.6	1990,1999
Hackensack River Basin			
New City Brook near New City, NY	01376570	5.46	1972-80
Hackensack River at Brookside Park, NY	01376600*	13.2	1966-80
East Branch Hackensack River near Congers, NY	01376690	6.90	1960,1968-69, 1971-80
Nauraushaun Brook at Nanuet, NY	01376842	2.12	1975-77,1979
Nauraushaun Brook at Pearl River, NY	01376855	5.97	1976-80
Hackensack River at Nauraushaun, NY	01376900*	44.6	1963
Pascack Brook at Spring Valley, NY	01377180	2.10	1972-80
Pascack Brook Trib. at Erie Railroad at Spring Valley, NY	01377196	3.89	1977-79
Pascack Brook Tributary at Spring Valley, NY	01377200*	4.19	1963-80
Pascack Brook near Pearl River, NY	01377260	8.39	1975-79
Passaic River Basin			
Ramapo River at Sloatsburg, NY	01387250*	60.1	1956,1975-79
Stony Brook at Sloatsburg, NY	01387300*	18.2	1963-69
Nakoma Brook at Sloatsburg, NY	01387350	5.40	1960-78
Mahwah River near Suffern, NY	01387450*	12.3	1996
Mahwah River at Suffern, NY	01387480*	20.8	1963-65
Pine Brook near Spring Valley, NY	01390300*	2.28	1964-67
Delaware River Basin			
Platte Kill at Dunraven, NY	01414000**	34.9	1996
Campbell Brook Tributary near Downsville, NY	01417185	0.41	1975-86
Beaver Kill at Craigie Clair, NY	01418500*	81.9	1971-74,1996
Willowemoc Creek near Livingston Manor, NY	01419500*	62.6	1971-74,1996
East Branch Delaware River at Fishs Eddy, NY	01421000**	784	1904
West Branch Delaware River at Delhi, NY	01422000*	142	1971-74,1996
Little Delaware River near Delhi, NY	01422500**	49.8	1971-74,1996
Peaks Brook near Delhi, NY	01422530	7.07	1975-77
Trout Creek near Rockroyal, NY	01424000*	20.0	1996
West Branch Delaware River at Hale Eddy, NY	01426500**	595	1904
Callicoon Creek at Callicoon, NY	01427500*	110	1940,1983-99
Delaware River at Port Jervis, NY	01434000**	3,070	1904
High Falls Brook at Frost Valley, NY	01434105*	2.74	1996
Neversink River near Claryville, NY	01435000**	66.6	1951
Neversink River Trib. to Trib. 3 near Loch Sheldrake, NY	01436050	1.32	1975-78
Basher Kill Tributary near Westbrookville, NY	01437345	1.07	1975-83

Station name	Station number	Drainage area (mi^2)	Period of documented record
Streams tributary to Lake Ontario			
Salmon River near Osceola, NY	04249100	50.6	1962
Staplin Creek at Rutland Center, NY	04250695	1.84	1976-78
Sandy Creek Tributary No. 2 near Woodville, NY	04250752	4.26	1969-71,1976-78
Sugar River at Talcottville, NY	04253000*	43.1	1953,1969,1985
Middle Branch Moose River at Old Forge, NY	04253500*	55.0	1985
Middle Branch Moose River near McKeever, NY	04254000*	151	1985
Otter Creek near Glenfield, NY	04255000*	64.5	1953-85
Widmeyer Creek near Beaver Falls, NY	04258015	2.46	1976-77
Black River at Black River, NY	04259500*	1,842	1869
Horse Creek Tributary near Dexter, NY	04260575	4.59	1876-86
St. Lawrence River Basin			
Oswegatchie River at Cranberry Lake, NY	04261000*	140	1985
Oswegatchie River near Oswegatchie, NY	04262000**	259	1985
Birch Creek at Pierces Corners, NY	04263445	1.56	1976-86
Sucker Brook near Waddington, NY	04264100*	25.6	1967-69
Little Sucker Brook at Waddington, NY	04264200*	19.9	1966-69,1971-73, 1975-79
Brandy Brook near Waddington, NY	04264300*	27.0	1966-86
South Branch Grass River at Newbridge, NY	04264350	109	1965-67
Middle Branch Grass River near Clare, NY	04264400*	63.0	1963,1965-68, 1971-73,1975-76,1985
North Branch Grass River near Clare, NY	04264700*	46.3	1964-69,1985
Plumb Brook at Russell, NY	04264800*	35.3	1961-66
Grass River at Pyrites, NY	04265000*	333	1985
Tanner Creek at Stellaville, NY	04265200*	30.3	1962-69
Little River near Canton, NY	04265300*	42.4	1962-76,1985
Grannis Brook at Crary Mills, NY	04265400*	20.9	1962-63,1966-69
Raquette River at Piercefield, NY	04266500**	721	1900
Cold Brook near South Colton, NY	04267600	18.7	1962-76,1985
Parkhurst Brook near Potsdam, NY	04267700*	16.8	1964-77
Trout Brook at Allen Corners, NY	04267800*	54.2	1964-86
St. Regis River at St. Regis Falls, NY	04268700*	234	1985
Lake Ozonia Outlet near St. Regis Falls, NY	04268710*	28.3	1964-68
Hopkinton Brook at Hopkinton, NY	04268720	20.0	1962-86
West Branch St. Regis River near Parishville, NY	04268800**	171	1969-91
Trout Brook at Stockholm Center, NY	04268900*	42.4	1961-68,1970-78
St. Regis River at Brasher Center, NY	04269000**	612	1997
Deer River at North Lawrence, NY	04269043*	78.0	1985
Allen Brook near Brasher Falls, NY	04269050*	16.0	1967-86
Lawrence Brook near Moira, NY	04269100*	25.7	1961-86
Deer River at Brasher Iron Works, NY	04269500*	182	1969,1971-73, 1976-80,1985
Salmon River at Chasm Falls, NY	04270000**	132	1985
West Branch Deer Creek at Fort Covington Center, NY	04270100	32.4	1962-86
East Branch Deer Creek at Fort Covington Center, NY	04270150*	23.9	1963-86
East Branch Little Salmon River near Skerry, NY	04270162	7.11	1978-93,1998
Farrington Brook near Moira, NY	04270180*	17.7	1966-69
Little Salmon River at Bombay, NY	04270200*	92.2	1996-98
Chateaugay River below Chateaugay, NY	04270510*	151	1997-98
Little Trout River near Burke, NY	04270600*	27.6	1964-66
English River near Mooers Forks, NY	04270800*	40.8	1969,1971-79
Great Chazy River at Perry Mills, NY	04271500**	243	1985,1987-89
Saranac River at Saranac, NY	04273000*	521	1947
Salmon River at South Plattsburgh, NY	04273700**	63.3	1969-86
Highlands Forge Lake Outlet near Willsboro, NY	04276069*	10.9	1997-98
Bouquet River at New Russia, NY	04276200	37.6	1949-80
Bouquet River at Willsboro, NY	04276500**	270	1980,1985,1987-89
Hoisington Brook at Westport, NY	04276645*	6.47	1997-98
Northwest Bay Brook near Bolton Landing, NY	04278300*	22.0	1969-71,1998-99
Mill Brook at Putnam, NY	04279040*	10.3	1997
Mount Hope Brook at South Bay near Whitehall, NY	04279125*	11.6	1997-98
Mettawee River near Middle Granville, NY	04280450**	167	1984

INTRODUCTION

Water-resources data for the 2000 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 139 gaging stations; stage only at 10 gaging stations; stage and contents at 4 gaging stations, and 18 other lakes and reservoirs; water quality at 32 gaging stations; and water levels at 5 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-99-1." 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 2000, 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
Consolidated Hydro, Inc.
Green Island Power Authority
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:

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

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

Streamflow throughout eastern New York was above normal for the 2000 water year (fig. 1, next page). Streamflow, in percent of normal, was highest in the Adirondack and Catskill Mountains and slightly lower, but still above normal, in the lower elevations of the Mohawk and Hudson River Valleys.

Reservoirs in the New York City system were at near normal levels from October through spring, after which a rainy summer raised reservoir contents to above 90 percent of capacity (fig. 2A, below). The reservoir system was near 100 percent of capacity during May and June then dropped slightly through the end of the summer. The Great Sacandaga Lake was within 10 percent of the long-term average (1931-1999) during the entire water year (fig. 2B, below). The reservoir content was about 50 percent from October through February, then increased to near 100 percent in April. As the summer progressed, the reservoir level dropped but remained about 10 percent above normal.

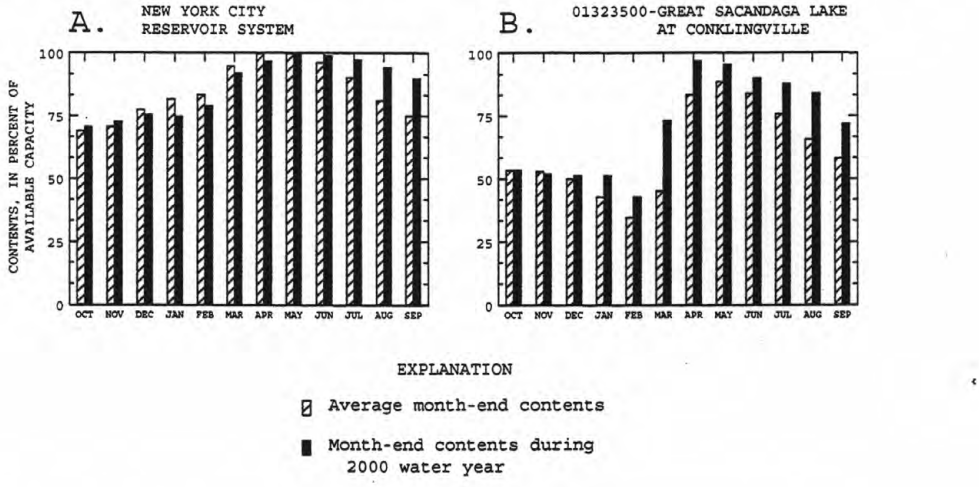


Figure 2.--Comparison of average month-end reservoir contents and month-end contents during 2000 water year for two selected reservoir systems in eastern New York.

Monthly runoff at selected gaging stations for 2000 and the average runoff at each site for 1940-99 are plotted in figure 3. Monthly runoff was generally within 1 inch of normal until April, when increased rainfall maintained streamflow above normal for the remainder of the water year. In the Adirondack Mountains during May, runoff at West Branch Oswegatchie River near Harrisville and Independence River at Donnattsburg were more than 200 percent of normal. Many gaging stations south of the Mohawk River recorded more than 200 percent of the normal June runoff.

October was cooler than normal until the last week, when a warmup occurred. Precipitation in October ranged from an inch less than to 2 inches above normal. The driest regions were the Mohawk and Hudson River Valleys, where precipitation was about normal (4 to 6 inches) whereas rainfall in the St. Lawrence River Valley was about 2 inches above the long-term average. October runoff in eastern New York was generally 1 to 2 inches above normal, especially in the Catskill Mountains. Reservoir contents were near normal.

November also was warmer than normal and precipitation was below normal throughout eastern New York. The Lake Champlain Valley received only about 2 inches of precipitation, one-half of the normal amount. Snowfall was also minimal. Streamflow and reservoir contents throughout eastern New York were about normal during the month, but streamflow was about an inch above normal in the upper Schoharie Creek basin.

Warmer-than-normal temperatures continued through most of December, except during the last week, when normal winter temperatures returned. Like the preceding months, December was very dry; the eastern part of the state received only one-half of the normal precipitation. Snowfall was 10 to 20 inches below normal, especially in the Mohawk River Valley. Streamflow was normal to about 50 percent below normal, and reservoir contents in the New York City system were slightly below normal. The Great Sacandaga Lake level was normal.

Air temperatures were about 10°F above normal during early January, then winter weather and cold temperatures returned. Precipitation in the Mohawk River Valley was 2 to 3 inches greater than normal, but elsewhere was about normal. Snowfall was 1 to 2 feet above normal in the Catskill Mountains. Streamflow south of the Mohawk River Valley was about an inch less than normal and slightly above in the north. The Great Sacandaga Lake level was above normal while the southern reservoirs were about 10 percent below normal.

February was warm: temperatures were 2 to 6°F above normal. Precipitation was about one-half of normal in the south, increasing to normal in the Catskill and Adirondack Mountains. Runoff was 1 to 2 inches above normal in those mountainous regions and normal elsewhere. Seasonal snowfall reached 100 inches in many parts of the Adirondack Mountains. Reservoir levels were within 10 percent of normal levels.

Warm temperatures continued into March. On March 9th, Massena, NY and Burlington, VT recorded new daily-maximum temperatures. Precipitation was normal throughout the state, except in the St. Lawrence River Valley, which received 1 to 2 inches above normal. Streamflow was well above normal throughout most of eastern New York. Streams in the lower Hudson River Valley were at normal levels. The volume of the Great Sacandaga Lake was 150 percent of normal while the southern reservoirs were at normal levels.

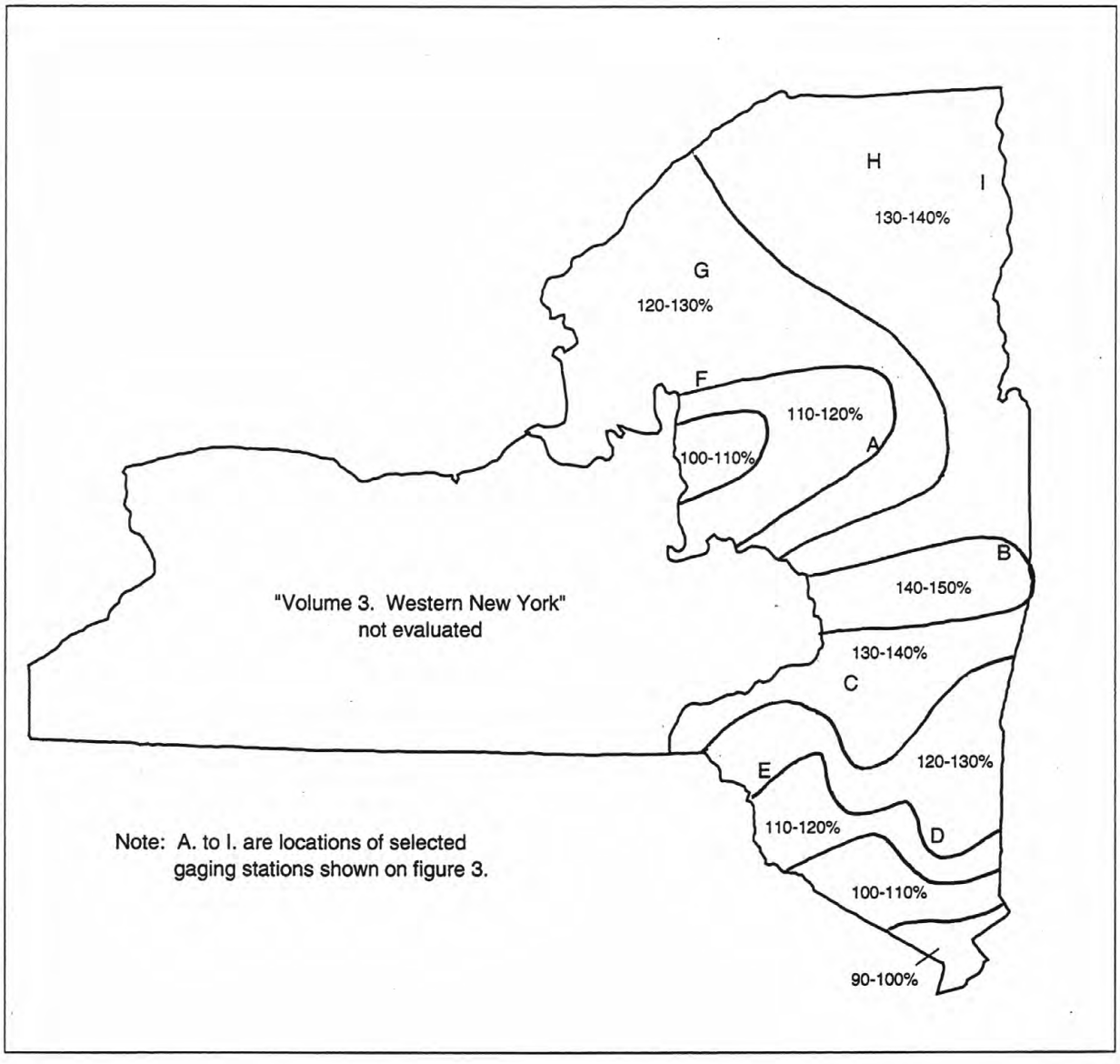


Figure 1.--2000 water year runoff as a percentage of the average annual runoff for 1940-99 for eastern New York excluding Long Island.

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

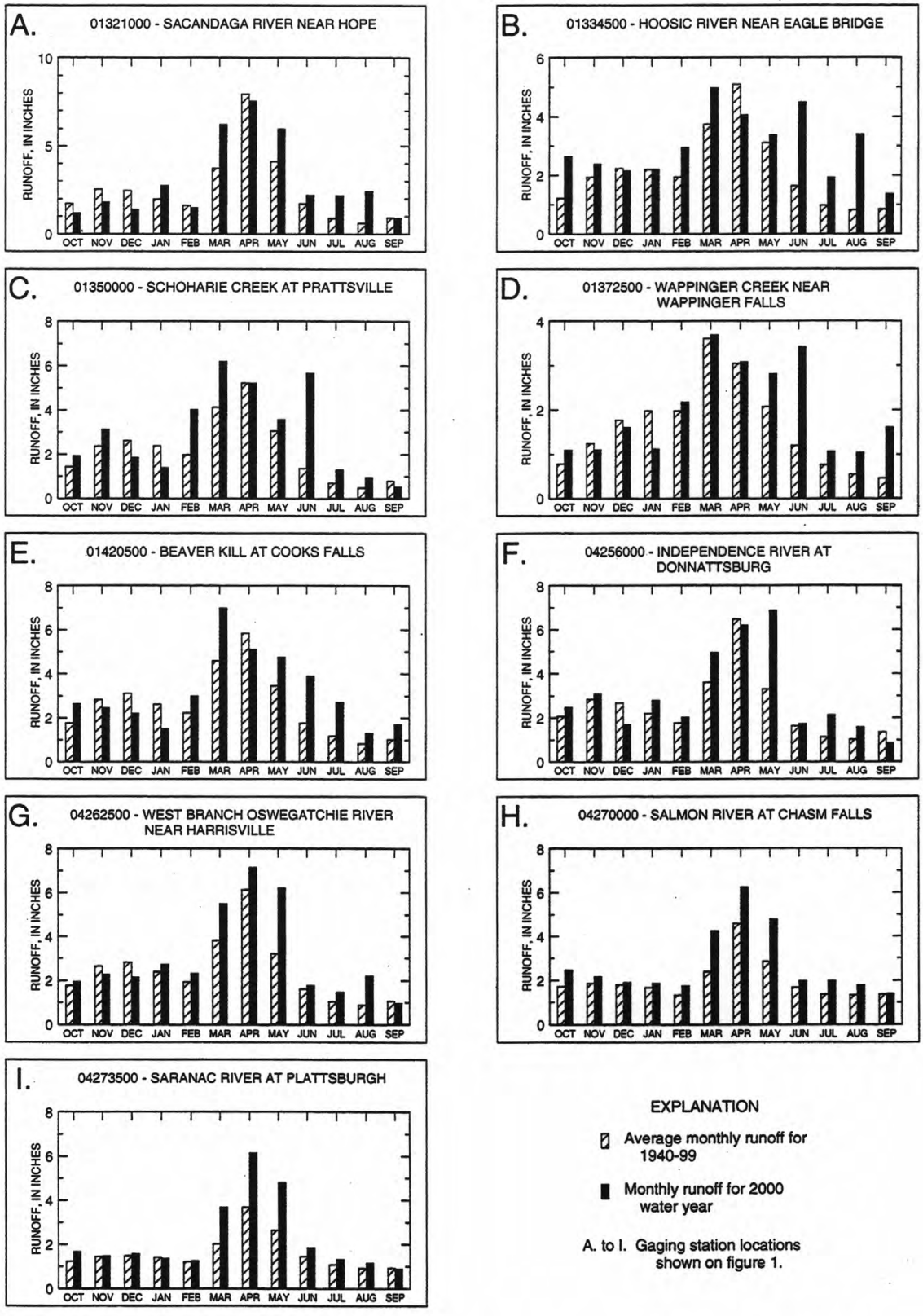


Figure 3.--Comparison of monthly runoff for 2000 water year and average monthly runoff for 1940-99 for selected gaging stations in eastern New York (site locations are shown on figure 1).

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

This April was the sixth wettest on record, and the wettest April since 1941, with an average of 5.08 inches of precipitation statewide. The St. Lawrence River Valley received 198 percent of normal precipitation, which made April 2000 the third wettest April on record. Air temperatures averaged close to normal. Departures from normal ranged from 1 to 4 inches in upstate New York. Only the lower Hudson River Valley and Long Island were near normal. Reservoirs were at near capacity levels. Streamflow varied from near normal south of the Adirondack Mountains to well above normal in both the northern region and in the western Catskill Mountains. The April mean discharge at the Beaver River at Croghan gaging station (Black River basin) was the highest for that month in 70 years of record. Record April mean discharges were also set at several other stations in the St. Lawrence River basin.

Rainfall continued to be above normal in May. Northern New York received 7 to 9 inches of rain, almost double the normal precipitation while the lower Hudson River Valley was about normal. Temperatures were about 1°F above normal. The gaging station on West Canada Creek at Kast Bridge recorded the second highest peak discharge in 80 years of record on May 13, and a new maximum-daily discharge was recorded on May 14 at the Mohawk River near Little Falls gage. Parts of the Erie Canal (Locks 23-26, in central New York) were closed for two weeks during May, due to high water. Reservoir levels remained at near capacity.

Rainfall in June was above normal throughout southeastern New York while normal depths were recorded elsewhere. The Hudson River Valley south of Albany received about 180 percent of normal rainfall. June marked the third consecutive month during which more than 5 inches of rainfall was recorded in eastern New York. Temperatures were normal to a few degrees below normal. The wet conditions resulted in above normal streamflow throughout the state and streamflow for many rivers exceeding 200 percent of normal. Monthly-mean discharge records for June were broken at several gaging stations in the Catskill Mountain region. The gaging stations at East Branch Delaware River at Margaretville and Mill Brook near Dunraven recorded new maximum monthly-mean June discharges for the same periods of record (1937-2000). The annual-peak discharges for the 2000 water year at many stations in southeastern New York were recorded in early June. A new maximum-daily discharge for June was recorded on the 7th at the Mohawk River at Cohoes. Reservoirs in the New York City system were at full capacity while the Great Sacandaga Lake was about 90 percent full.

The cool, wet summer continued through July. Temperatures were about 3°F below normal and rainfall was 2 to 4 inches above normal. Streamflow was about 200 percent of normal in the Catskill Mountains and the Hudson River Valley while normal flows were found in the northern Adirondack Mountains. Reservoir levels remained high.

Rainfall in August was 3 to 5 inches above normal in the Mohawk River Valley and about normal elsewhere in eastern New York, and cool temperatures prevailed. Streamflow was well above normal throughout the region. Record monthly-mean discharges for August were set at the following gageing stations with more than 70 years of record: Hudson River at Hadley, Mohawk River at Cohoes, Mohawk River below Delta Dam near Rome and Batten Kill at Battenville. Many more stations with shorter periods of record also recorded August maximum monthly-mean discharges. Reservoir contents continued to be 10 to 15 percent above normal.

Precipitation and air temperatures during September were near normal. Runoff was above average east of the Hudson River and about normal elsewhere. Although reservoir levels were decreasing, contents remained about 10 percent above normal for the month.

Daily-discharge hydrographs for the 2000 water year at two unregulated gaging stations in eastern New York are presented in figures 4 and 5. Except during short periods in the fall and winter, streamflow at Wappingers Creek, in Dutchess County, was above the median-daily discharge (1942-99) for most of the water year. Runoff from Hurricane Floyd (September 1999) and frequent summer storms contributed to runoff above the 20 percent exceedence level during the early fall and summer, respectively. Warm periods during January and March increased snowmelt in the Adirondack Mountains; streamflow at West Branch Oswegatchie River near Harrisville, St. Lawrence County, increased to well above the 20 percent exceedence level. Rainfall statewide during April to June totaled 16.25 inches, slightly less than during the same period in 1972, when Tropical Storm Agnes occurred. Since the rainfall was well distributed through the summer, flooding was minor. The summer rains kept runoff above long-term means throughout eastern New York through September to conclude a rather wet water year.

Water Quality

Water-quality data presented in this report provide information on water temperature, specific conductance, concentrations of nutrients, major ions, pesticides, PCBs, sediment, and other constituents. Additional water-quality data are periodically collected for other programs or projects and are generally published in separate reports.

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 500 microsiemens per centimeter at 25.0°C (µS/cm)). Measurements were within the range reported for the period of record for each site. The salt front in 2000 moved within a 51-mile range--from 10 to 61 miles upstream from the Battery in New York City. This range is usually exceeded most years, the salt front moved upstream to as much as 82 miles above the Battery during 1995. Specific conductance of 500 µS/cm or greater at the Poughkeepsie gage (01372058, 72.3 miles above the Battery) has been recorded during the summers of 1993 (17 days), 1995 (66 days), and 1999 (24 days).

Surface-water-temperature data are an indicator of aquatic community stress. Daily minimum, maximum, and mean water-temperature data for three sites in the Hudson River basin and 13 sites in the Delaware River basin are presented. Recorded water temperature at six sites in the Delaware River basin exceeded 25.0°C, which may stress many species of fish. Temperatures were within the ranges reported for the period of record at all sites.

Water samples were collected to monitor the movement of PCBs and sediment concentrations in the upper Hudson River. Periodic PCB data from three sites and daily sediment data from two sites are presented. All PCB concentrations and sediment data were within the range reported for each sites's period of record.

Daily suspended-sediment, dissolved organic carbon, and particulate organic carbon discharge data at Mohawk River at Cohoes (site 01357500 - location, fig. 8) are presented for the period of March 1999 through August 2000.

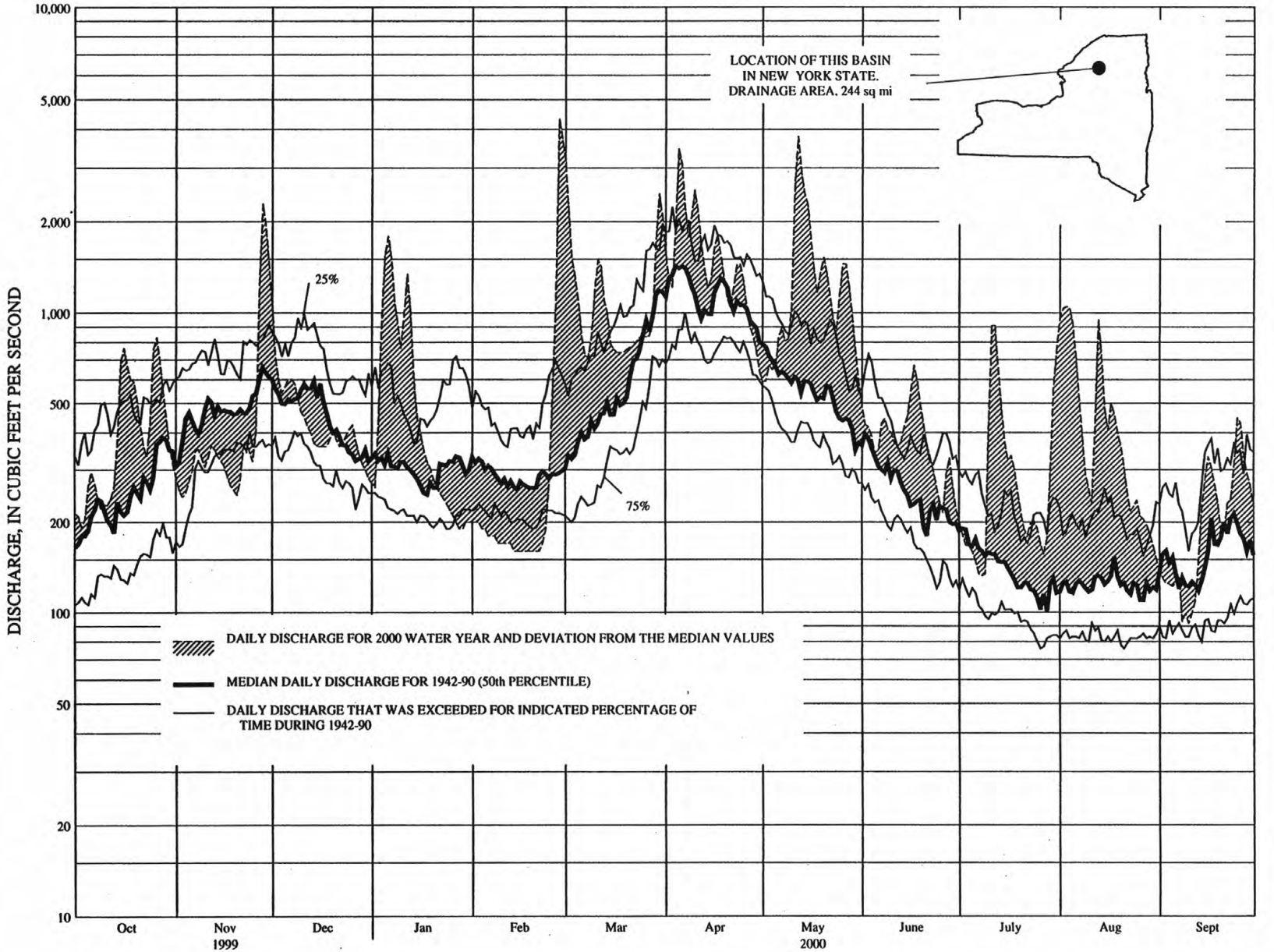


FIGURE 4.--HYDROGRAPHIC COMPARISONS, WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, NY

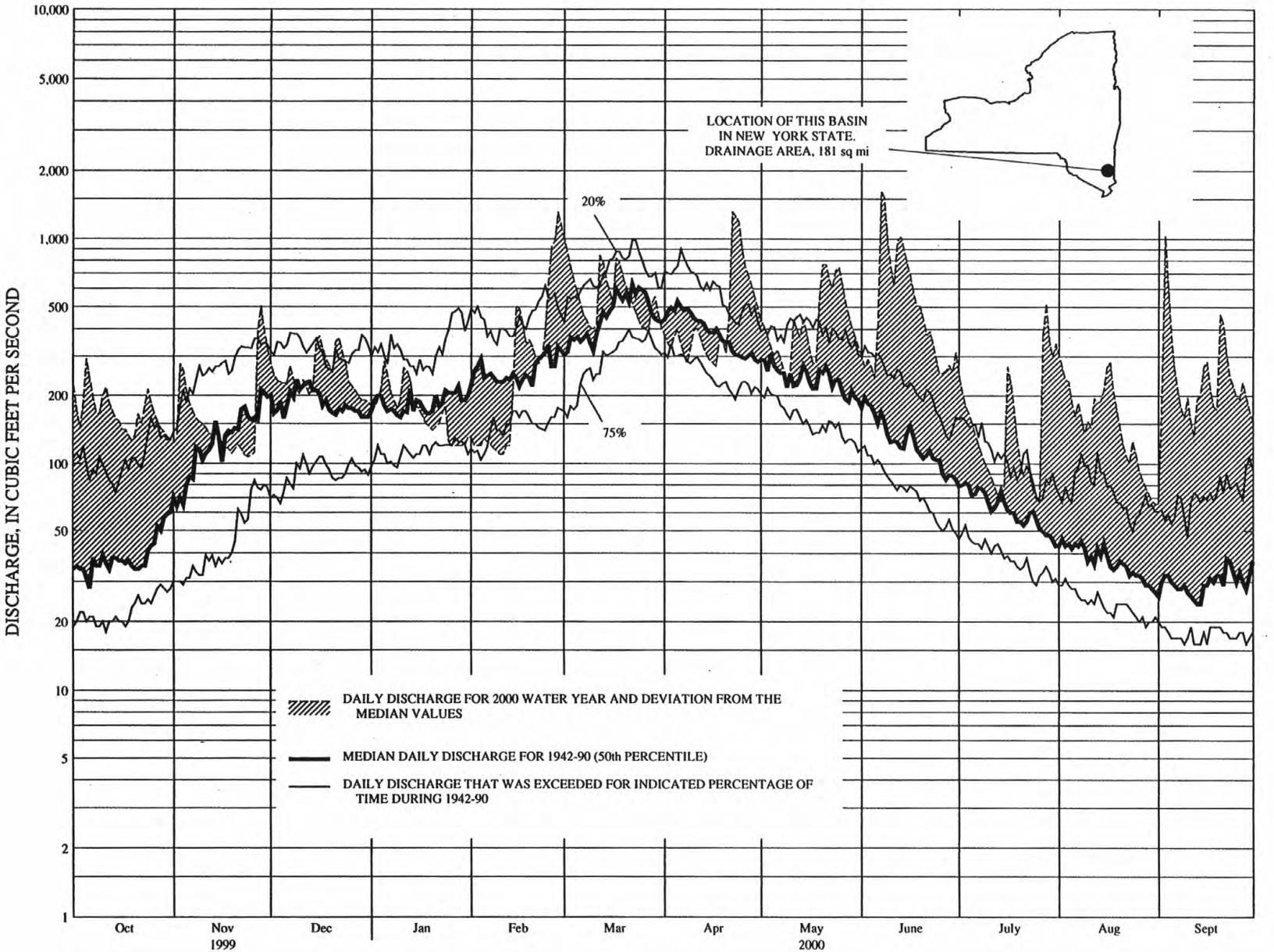


FIGURE 5.--HYDROGRAPHIC COMPARISONS, WAPPINGER CREEK NEAR WAPPINGERS FALLS, NY

SUMMARY OF HYDROLOGIC CONDITIONS--Continued

Data from 34 ground-water sites in the Clifton Park area of Saratoga County are presented. These samples describe the physical properties and concentrations of major ions and tritium of the water samples. The location of these sites are shown in figure 13.

Data collected for the Hydrologic Benchmark program describe the physical properties, and concentrations of nutrients and major ions in water samples from Biscuit Brook above Pigeon Brook at Frost Valley (site 01434025 - location, fig. 8); the analyses of three samples are reported. The data from this site are representative of undeveloped watersheds in New York.

Data collected for the Hudson River basin NAWQA program describe the physical properties, and concentrations of pesticides, sediment, nutrients, and major ions, at two surface-water sites and one ground-water site in the basin. Data collected for the Statewide Pesticide Monitoring project describe the occurrence of pesticide and pesticide-degradation products at 32 ground-water sites and 57 surface-water sites. The surface-water data characterize pesticides concentrations at 10 sites on reservoirs used for public drinking-water supplies, and at 47 stream sites in the Croton River basin that receive urban and residential runoff.

Data collected for the Delaware River basin NAWQA program describe the physical properties, and the concentrations of pesticides, sediment, nutrients, and major ions at two surface-water sites in the Delaware River basin in New York. The samples collected from Delaware River at Port Jervis (site 01434000) and Neversink River near Claryville (site 01435000) (locations, fig. 8) contained 11 and 3 pesticides or pesticide degredates, respectively. Samples from the Delaware River at Port Jervis were also analyzed for volatile organic compounds, but none were detected.

Ground Water

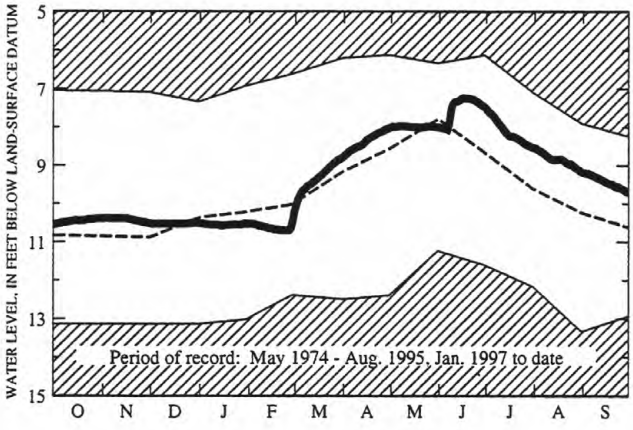
Ground-water levels in shallow, unconfined aquifers in eastern New York typically show a seasonal pattern of change during the water year. Water levels rise in response to aquifer recharge from precipitation. Rates of aquifer recharge vary locally and are affected by many factors, including the timing 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 is typically 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 are typically 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.

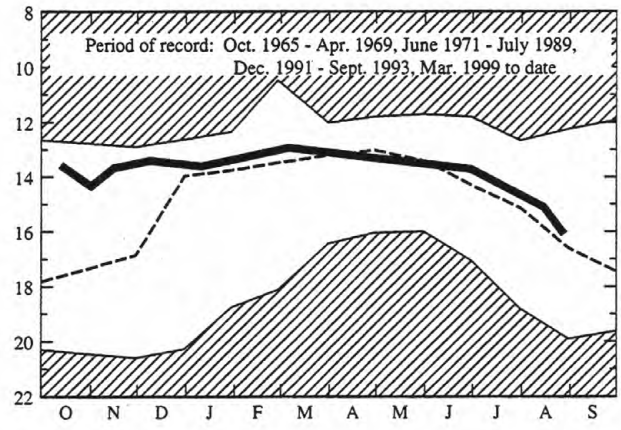
The minimum, maximum, and median long-term monthly water levels and the water levels at five observation wells during the 2000 water year are plotted in hydrographs in figure 6. The hydrographs for well A-636 in Albany County (east-central New York) and well Du-1009 in Dutchess County (southeastern New 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 December and April through September, and below median height in January and February. Water levels in well Du-1009 were above the median height from October through December and at the median height from January through August.

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

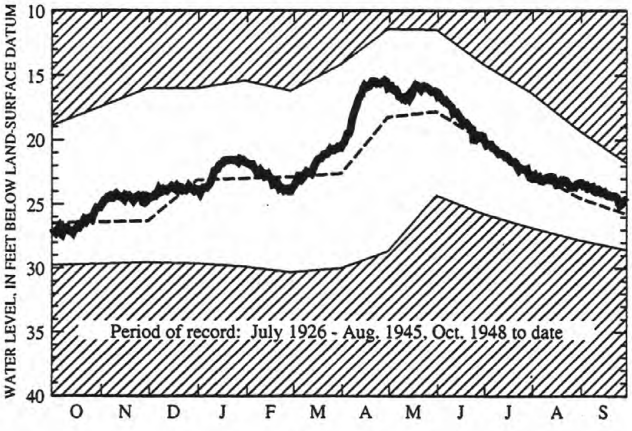
The hydrograph for well Sa-1100 in Saratoga County (east-central New York) illustrates water level fluctuations in a confined sand and gravel aquifer that are affected by pumping from a nearby public-supply well. Water levels in this well were above the median for October through mid-August, and were at or below the median from mid-August through September. The natural (seasonal) fluctuations can be masked by pumping-induced drawdown. Pumping was reduced in the latter part of the 1998 water year and water levels have since recovered from a record minimum in August of 1997.



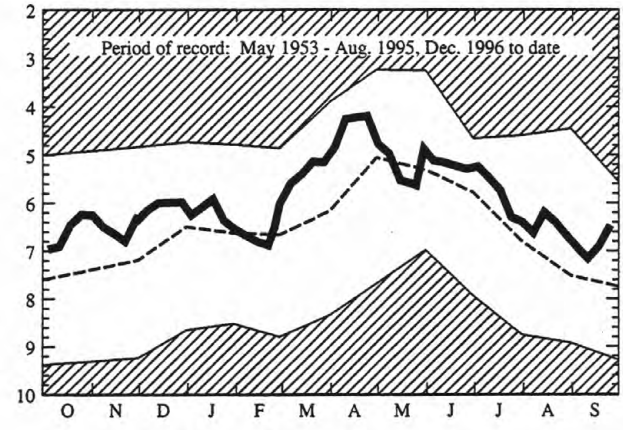
1. A-636, Albany County



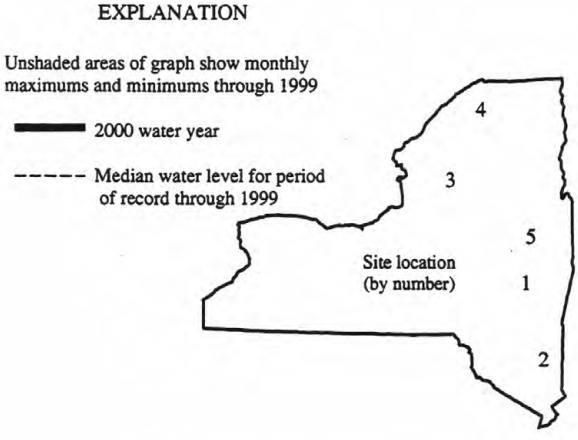
2. Du-1009, Dutchess County

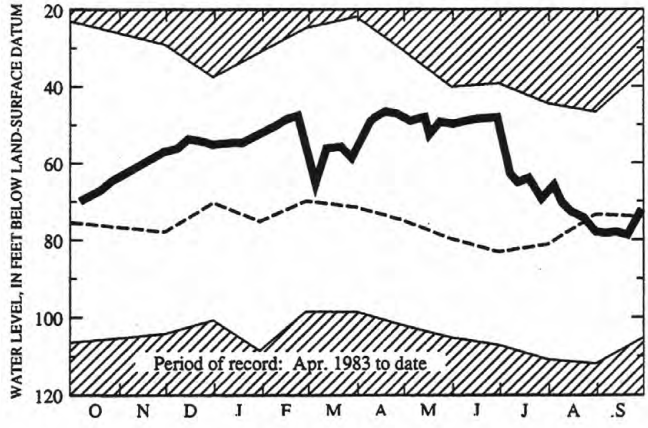


3. Oe-151, Oneida County



4. St-40, St. Lawrence County





5. Sa-1100, Saratoga County

Figure 6.--Ground-water levels at 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 and 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 comparision 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 2000 water year that began October 1, 1999, and ended September 30, 2000. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data, and ground-water level data. The locations of the stations and wells where the data were collected are shown in figure 8. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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

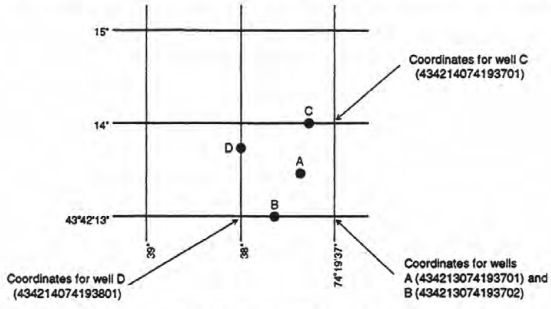


Figure 7. System for numbering wells (latitude and longitude)

Records of Stage and Water Discharge

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

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

Data Collection and Computation

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the 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, $(ft^3/s)/mi^2$) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

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

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

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

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

Hydrographs

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

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

The degree of accuracy of the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good," within 10 percent; and "fair," within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy. Different accuracies may be attributed to different parts of a given record.

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

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

Other Records Available

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

Records of Surface-Water Quality

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

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

Classification of Records

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

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

Arrangement of Records

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

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed collecting the samples, treating the samples to prevent changes in quality pending analysis, and shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4; Book 9, Chap. A7 and A8. 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 tical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance

of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

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

Water Temperature

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

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

Sediment

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

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

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

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

Laboratory Measurements

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

Data Presentation

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

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

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

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

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

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

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

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

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

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system. 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 the appropriate computer file to insure the most recent updates.

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
(b) 3 to 5 samples per year
(c) 6 to 9 samples per year
(d) 10 to 20 samples per year
(e) more than 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/NTN Coordination Office, Colorado State University, Fort Collins, CO 80523 (Telephone: 303/491-5643).

Remarks Codes

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

Printed Output	Remark
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.

Quality-control Data

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Records of Ground-Water Levels

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

Data Collection and Computation

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

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

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

Data Presentation

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

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

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

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

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

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

Terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined below. 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 the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Adenosine triphosphate (ATP) is an organic, phosphate-rich, compound important in the transfer of energy in organisms. Its central role in living cells makes it 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.

Algae are mostly aquatic single-celled, colonial, or multi-celled plants containing chlorophyll and lacking roots, stems, and leaves.

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.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

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

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 which 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 ± 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.

Fecal coliform bacteria are bacteria that 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 ± 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.

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.

Fecal streptococcal bacteria are bacteria found in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. 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 ± 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.

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 feacalis, Streptococcus feacium, Streptococcus avium,* and their variants.

Base flow is flow in a channel sustained by ground-water discharge in the absence of direct runoff.

Bed material See Bottom material.

Benthic organisms (invertebrates) are the group of animals 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 micro-organisms, 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.

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).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash, and sediment in the sample. Dry mass is expressed in the same units as ash mass.

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.

Wet mass is the mass of living matter plus contained water.

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

Bottom material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Recoverable from 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.

Total in bottom material is the total 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".

Cells/volume refers to the number of plankton cells or natural units counted using a microscope and grid or counting cell. Results are generally reported as cells or units per milliliter.

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:

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

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

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

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.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Colloid is any substance with particles in such a fine state of subdivision dispersed in a medium (for example, water) that they do not settle out; but not in so fine a state of subdivision that they can be said to be truly dissolved.

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 that meets either of the following conditions:

1. Stage or streamflow are recorded at some interval on a continuous basis. The recording interval is usually 15 minutes, but may be less or more frequent.

2. Water-quality, sediment, or other hydrologic measurements are recorded at least daily.

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

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, 448.8 gallons per minute, or 0.02832 cubic meters per second.

Cubic foot per second-day (CFS-DAY, cfs-day, $[(ft^3/s)/d]$) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, 646,317 gallons, or 2,447 cubic meters.

Datum, as used in this report, is an elevation above mean sea level to which all gage height readings are referenced.

Discharge, or flow, is the volume of water (or more broadly, volume of fluid including solid- and dissolved-phase material), that passes a given point in a given period of time.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days in a 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.)

Instantaneous discharge is the discharge at a particular instant of time.

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

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 agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) content of water in equilibrium with air 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, with small temperature changes having the more significant offset. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration of water 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 that analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to reflect the change. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

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

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

Where *ni* 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 site on a stream is that area, measured in a horizontal plane, that has a common outlet at the site for its surface runoff. Figures of drainage area given herein include all closed basins, or noncontribution areas, within the area unless otherwise specified.

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

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.

Extractable organic halides (EOX) are organic compounds which contain halogen atoms such as chlorine. These organic compounds are semi-volatile and extractable by ethyl acetate from air-dried stream bottom 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 stream bottom sediments.

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 the elevation of the zero point of the reference gage from which gage height is determined as compared to sea level (see "Datum"). This elevation is established by a system of levels from known benchmarks, by approximation from topographic maps, or by geographical positioning system.

Gage height is the water-surface elevation referenced to the gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

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.

Ground-water level is the elevation of the water table or another potentiometric surface at a particular location.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally 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

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 U.S. Geological Survey. Each hydrologic unit is identified by an 8-digit number.

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

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

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

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

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

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

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

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.

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 one 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 one milligram per liter.

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 constiuents 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.

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 geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place. See NOAA web site at *http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88/*.

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.

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), suspended organic carbon (SOC), total organic carbon (TOC).

Organism is any living entity.

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

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

Total organism count is the total number of organisms collected and enumerated in any particular sample.

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 U.S. Geological Survey 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 used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay.....	0.00024 - 0.004	Sedimentation
Silt.....	0.004 - 0.062	Sedimentation
Sand.....	0.062 - 2.0	Sedimentation/sieve
Gravel.....	2.0 - 64.0	Sieve

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.

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 or volume.

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, distribition of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

Picocurie (PC, pCi) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 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).

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.

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.

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.

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.

Fire algae (*Pyrrhophyta*) are a group of algae that are free-swimming unicells characterized by a red pigment spot.

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.

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 environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

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.

Aroclor is the registered trade mark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific four-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.

Polychlorinated napthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene 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 [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/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.

Primary productivity(oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O_2/(m^2/time)] for periphyton and macrophytes or per volume [mg O_2/(m^3/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.

Radioisotopes are istopic 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.

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.

River mile is the distance of a point on a river measured in miles from the river's mouth along the low-water channel.

Runoff in inches (IN., in.) is the depth, in inches, to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sea level refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929) -- a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929. *See:*

http://www.co-ops.nos.noaa.gov/glossary/gloss_n.html#NGVD

Sediment is solid material that is transported by, suspended in, or deposited from water. It originates mostly from disintegrated rocks; it also 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 factors. Some major factors are degree and length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along or very close to the bed. In this report, bed load is considered to consist of particles in transit from the bed to an elevation equal to the top of the bed-load sampler nozzle (usually within 0.25 ft of the streambed).

Bed-load discharge (tons per day) is the quantity of sediment moving as bed load, reported as dry weight, that passes a cross section in a given time.

Suspended sediment is the sediment that is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

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 entire sample is used for the analysis.

Mean concentration of suspended sediment is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge(tons/day) is the quantity of sediment moving in suspension, reported as dry weight, that passes a cross section in a given time. It is calculated in units of tons per day as follows: discharge (ft^3/s) x concentration (mg/L) x 0.0027.

Suspended-sediment load is a term that refers to material in suspension. 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.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight, that passes a cross section in a given time.

Total sediment load or total load is a term that refers to the total sediment (bed load plus suspended-sediment load) that is in transport. 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 total sediment discharge.

Seven-day 10-year low flow (7Q10, $7Q_{10}$) is the minimum flow averaged over 7 consecutive days that is expected to occur on average, once in any 10-year period. The 7Q10 has a 10-percent chance of occurring in any given year.

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. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter (µS/cm) at 25°C. Specific conductance is related to the type and concentration of ions in solution 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.

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.

Artificial substrate is a device which 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.

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

Surface area of a lake or impoundment is that area encompassed by the boundary of the lake or impoundment as shown on USGS topographic maps, or on other available maps or photographs. The computed surface areas reflect the water levels of the lakes or impoundments at the times when the information for the maps or photographs was obtained.

Surficial bed material is the top 0.1 to 0.2 ft of the bed material that 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 associated with 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-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 precedures 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 analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative suspended-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 analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

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.

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.....*Hexagenia*
Species.....*Hexagenia limbata*

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 that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot is the dry mass of dissolved solids in 1 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 the rate representing a mass of 1 ton of a constituent in streamflow passing a cross section in 1 day. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

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 (as used in tables of chemical analyses):

Total is the total amount of a given constituent in a representative suspended-sediment 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 suspended-sediment mixture and that the analytical method determined all of the constituent in the sample.)

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 recoverable is the amount of a given constituent that is in solution after a representative suspended-sediment 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, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Turbidity is a measurement of the collective optical properties of a water sample that cause light to be scattered and absorbed rather than transmitted in straight lines; the higher the intensity of scattered light, the higher the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU) or Formazin turbidity units (FTU) depending on the method and equipment used.

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 man-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 level is the water-surface elevation or stage of the free surface of a body of water above or below any datum (see "Gage height"), or the surface of water standing in a well, usually indicative of the position of the water table or other potentiometric surface.

Water table is the surface of a ground-water body at which the water is at atmospheric pressure.

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

Water year in U.S. Geological Survey 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, 1999, is called the "1999 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.

Well is an excavation (pit, hole, tunnel), generally cylindrical in form and often walled in, drilled, dug, driven, bored, or jetted into the ground to such a depth as to penetrate water-yielding geologic material and allow the water to flow or to be pumped to the surface.

Wet weight refers to the weight of animal tissue or other substance including its contained water.

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

Baldigo, B.P. and Lawrence, G.B., 2000, Composition of fish communities in relation to stream acidification and habitat in the Neversink River, New York: Transactions of the American Fisheries Society, v. 129, p. 60-76.

Bent, G.C., 2000, Suspended-sediment characteristics in the Housatonic River Basin, western Massachusetts and parts of eastern New York and northwestern Connecticut, 1994-96: U.S. Geological Survey Water-Resources Investigations Report 00-4059, 121 p.

Burns, D.A., Lawrence, G.B., and Murdoch, P.S., 2000, Effects of acid deposition in North America--current status: Bulletin of the Ecological Society of America, v. 81, p. 145-146.

Burns, D.A., Murdoch, P.S., and Lawrence, G.B., 2000, Clean Air Act and acid precipitation receiving increased attention: EOS, v. 81, no. 13, March 28, 2000, 134 p.

Harkness, W.E., Krejmas, B.E., and Carswell, W.J., Jr., 1999, Report of the River Master of the Delaware River for the period December 1, 1996-November 30, 1997, with a section on water quality by A. G. Reif, and Hugh Darling: U.S. Geological Survey Open-File Report 99-466, 94 p.

Heisig, P.M., 2000, Effects of residential and agricultural land uses on the chemical quality of baseflow of small streams in the Croton Watershed, southeastern New York: U.S. Geological Survey Water-Resources Investigations Report 99-4173, 16 p.

Johnson, C.E., Ruiz-Mendez, J.J., and Lawrence, G.B., 2000, Forest soil chemistry and terrrain attributes in a Catskill Mountain Watershed: Soil Science Society of America Journal, v. 64, p. 1804-1814.

Lawrence, G.B., Lovett, G.M., and Baevsky, Y.H., 2000, Atmospheric deposition and watershed nitrogen export along an elevational gradient in the Catskill Mountains, New York: Biogeochemistry, v. 50, p. 21-43.

Lawrence, G.B., Vogt, K, Vogt, D.J., Tilley, J. and Wargo, P.M., 2000, Atmospheric deposition effects on surface waters, soils and forest productivity, in Mickler, R.A., Birdsey, R.A., and Hom, J., eds., Responses of Northern U.S. Forests to Environmental Change: Ecological Studies 139, Springer-Verlag, p. 275-330.

Lumia, Richard, and Baevsky, Y.H., 2000, Development of a contour map showing generalized skew coefficients of annual peak discharges of rural, unregulated streams in New York, excluding Long Island: U.S. Geological Survey Water-Resources Investigations Report 00-4022, 11 p.

Murdoch, P.S., Baron, J.S., and Miller, T.L., 2000, Potential effects of climate change on surface-water quality in North America: Journal of the American Water Resources Association, v. 36, no. 2, p. 347-366.

Phillips, P.J., Eckhardt, D.A., Smith, M.A., and Rosenmann, Larry, 2000, Pesticides and their metabolites in selected surface-water public supplies in New York State, 1999: U.S. Geological Survey Water-Resources Investigations Report 00-4119, 16 p.

Phillips, P.J., Wall, G.R., and Ryan, C.M., 2000, Pesticides in wells in agricultural and urban areas of the Hudson River basin: Notheastern Geology, v. 22, p. 1-9.

Reynolds, R.J., 2000, Evaluation of the Federal-State Cooperative Observation Well Network in upstate New York, 1995-97: U.S. Geological Survey Open-File Report 99-468, 36 p.

Reynolds, R.J., 2000, Hydrogeology of the Beaver Kill Basin in Sullivan, Delaware, and Ulster Counties, New York: U.S. Geological Survey Water-Resources Investigations Report 00-4034, 23 p.

Smith, S.B., Sloan, R.J., and Baldigo, B.P., 2000, Altered endocrine biomarkers in selected fish species in the Hudson River, New York: U.S. Geological Survey FS-113-00, 2 p.

The U.S. Geological Survey 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. Geological Survey, 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 sent by 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 soluable 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 Colleciton 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.

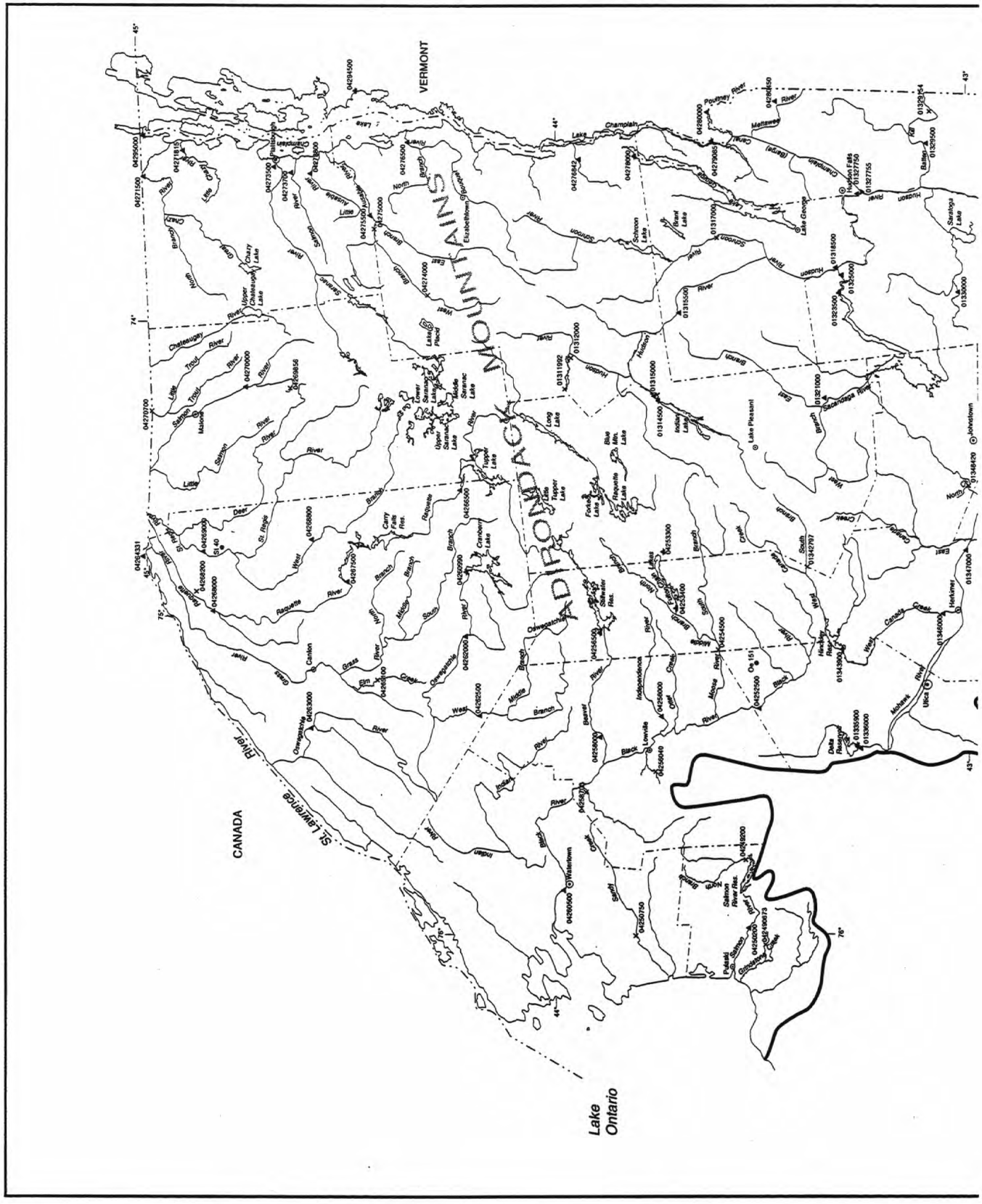
9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A5. 1999, 149 pages.

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.


VERMONT
ADIRONDACK MOUNTAINS
CANADA
St. Lawrence River
Lake Ontario

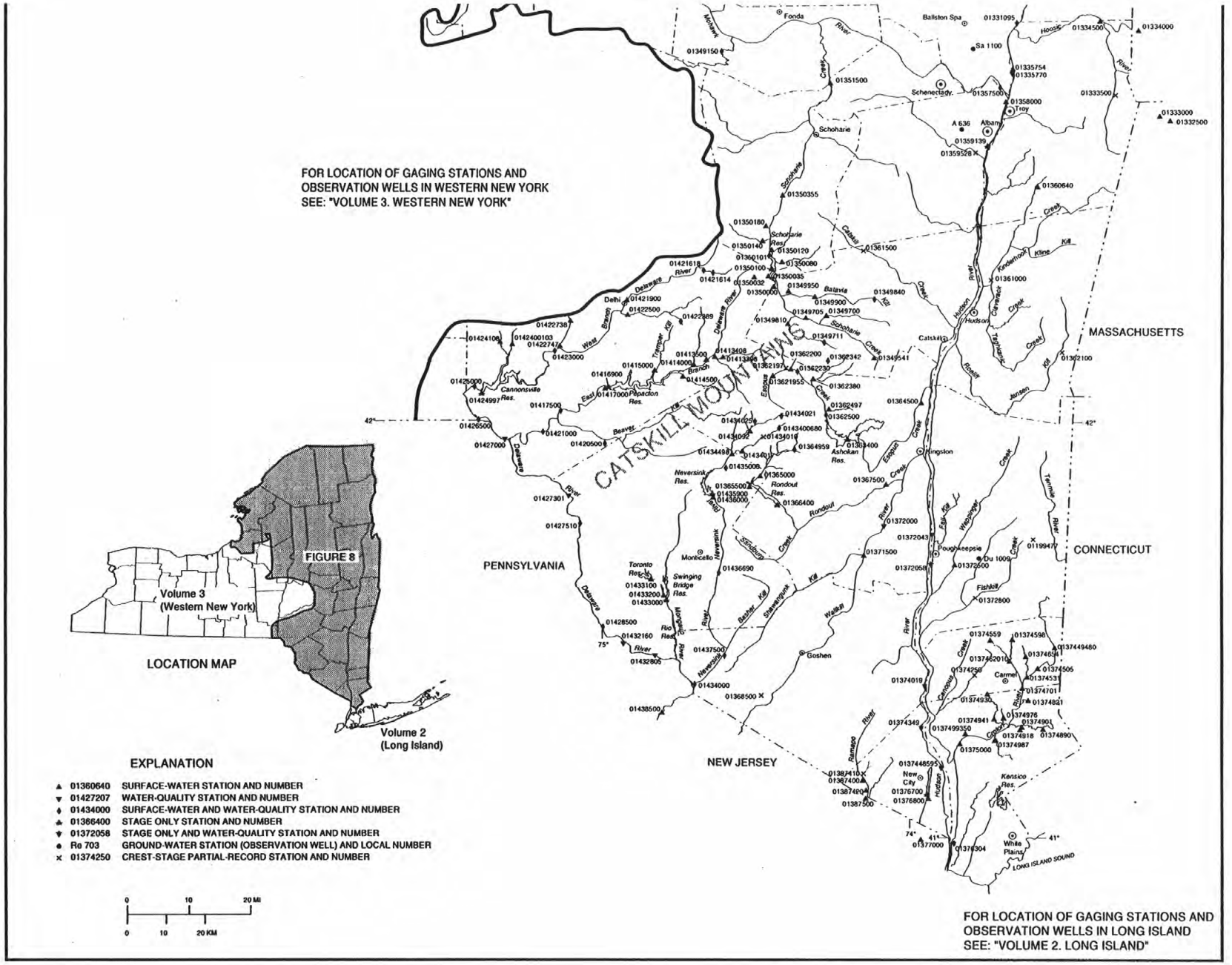


FIGURE 8.-- LOCATION OF GAGING STATIONS AND OBSERVATION WELLS

01314500 INDIAN LAKE NEAR INDIAN LAKE, NY

LOCATION.--Lat 43°45'20", long 74°16'35", Hamilton County, Hydrologic Unit 02020001, at Indian Lake Dam on Indian River, and 2.0 mi south of village of Indian Lake.
DRAINAGE AREA.--131 mi^2.
PERIOD OF RECORD.--July 1900 to current year. Prior to October 1956, published as "Indian Lake Reservoir near Indian Lake."
REVISED RECORDS.--WDR NY-94-1: 1993 (change in contents).
GAGE.--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 ft^3 at elevation, 1,651.29 ft (crest of spillway). Sills of double sluice gates at lowest outlet at elevation 1,615.50 ft. Dead storage unknown. Water is used for power development, for improvement of navigation in lower Hudson River, and to compensate for flow diverted from Hudson River at Glens Falls into Champlain (Barge) Canal. Hudson River-Black River Regulating District telephone gage-height telemeter at station.
COOPERATION.--Elevation record provided by Board of Hudson River-Black River Regulating District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 1,656.71 ft, Mar. 28, 1913, contents, 5.781 bil ft^3; minimum observed, about 1,616.8 ft, Feb. 13, 1948, contents, 0.20 bil ft^3.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 1,652.46 ft, Apr. 6, contents, 4.900 bil ft^3; minimum observed, 1,643.82 ft, Nov. 23, contents, 3.358 bil ft^3.

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

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1644.55	1643.95	1645.03	1644.72	1646.76	1646.43	1651.09	1651.35	1650.58	1649.32	1649.15	1646.90
2	1644.48	1643.91	1645.04	1644.68	1646.71	1646.69	1650.99	1651.31	1650.45	1649.22	1649.26	1646.80
3	1644.41	1644.06	1645.05	1644.63	1646.63	1646.80	1650.99	1651.26	1650.35	1649.13	1649.36	1646.72
4	1644.39	1644.17	1645.02	1644.86	1646.61	1646.86	1651.33	1651.16	1650.19	1649.09	1649.29	1646.68
5	1644.56	1644.21	1645.02	1646.12	1646.54	1646.88	1652.26	1651.06	1650.09	1648.98	1649.23	1646.60
6	1644.69	1644.23	1645.02	1646.91	1646.48	1646.92	1652.46	1650.99	1649.95	1648.94	1649.05	1646.50
7	1644.63	1644.20	1644.99	1647.22	1646.39	1646.90	1652.35	1650.98	1650.07	1648.86	1649.03	1646.40
8	1644.67	1644.18	1645.00	1647.41	1646.35	1646.88	1652.06	1650.89	1650.16	1648.82	1648.90	1646.31
9	1644.60	1644.20	1644.96	1647.43	1646.28	1646.96	1652.18	1650.83	1650.14	1648.77	1648.72	1646.21
10	1644.59	1644.11	1644.94	1647.47	1646.19	1647.40	1652.31	1650.74	1650.08	1649.22	1648.61	1646.13
11	1644.59	1644.08	1645.02	1647.57	1646.12	1648.01	1652.19	1651.25	1650.04	1649.49	1648.43	1646.06
12	1644.58	1644.11	1644.90	1647.62	1646.09	1648.38	1652.05	1651.79	1650.03	1649.65	1648.39	1645.97
13	1644.54	1644.08	1644.88	1647.66	1646.03	1648.63	1651.86	1651.91	1650.00	1649.67	1648.30	1645.95
14	1644.50	1644.10	1644.79	1647.73	1645.98	1648.86	1651.71	1652.04	1650.07	1649.71	1648.18	1645.95
15	1644.58	1644.03	1644.82	1647.72	1645.94	1648.83	1651.56	1652.17	1650.24	1649.63	1648.06	1645.90
16	1644.48	1644.05	1644.79	1647.63	1645.93	1648.83	1651.66	1652.10	1650.25	1649.83	1647.99	1645.85
17	1644.43	1643.97	1644.78	1647.67	1645.83	1648.91	1651.79	1651.92	1650.18	1650.07	1648.00	1645.82
18	1644.41	1643.98	1644.73	1647.62	1645.78	1648.91	1651.78	1651.72	1650.16	1650.08	1647.94	1645.71
19	1644.40	1643.91	1644.73	1647.54	1645.76	1648.83	1651.71	1651.69	1650.13	1650.10	1647.85	1645.60
20	1644.33	1643.85	1644.68	1647.47	1645.65	1648.76	1651.55	1651.57	1650.05	1650.06	1647.67	1645.52
21	1644.27	1643.84	1644.76	1647.43	1645.62	1648.66	1651.54	1651.47	1649.99	1649.78	1647.60	1645.40
22	1644.25	1643.88	1644.90	1647.38	1645.50	1648.57	1651.81	1651.35	1649.98	1649.69	1647.46	1645.36
23	1644.23	1643.82	1644.96	1647.35	1645.44	1648.55	1652.11	1651.20	1649.87	1649.52	1647.35	1645.24
24	1644.22	1643.85	1645.01	1647.26	1645.38	1648.51	1652.18	1651.20	1649.81	1649.38	1647.38	1645.08
25	1644.23	1643.83	1645.01	1647.15	1645.38	1648.71	1652.13	1651.35	1649.73	1649.23	1647.35	1644.99
26	1644.24	1643.87	1644.98	1647.14	1645.45	1648.91	1651.95	1651.43	1649.65	1649.11	1647.31	1644.92
27	1644.14	1644.22	1644.98	1647.05	1645.50	1649.13	1651.85	1651.38	1649.59	1648.95	1647.24	1644.81
28	1644.16	1644.65	1644.94	1647.04	1645.75	1649.33	1651.75	1651.25	1649.48	1648.88	1647.18	1644.67
29	1644.07	1644.89	1644.86	1646.97	1646.13	1650.46	1651.55	1651.07	1649.43	1648.72	1647.08	1644.64
30	1644.07	1644.98	1644.85	1646.88	---	1650.96	1651.41	1650.98	1649.41	1648.72	1647.07	1644.53
31	1644.03	---	1644.77	1646.85	---	1651.09	---	1650.78	---	1648.76	1646.95	---
MEAN	1644.40	1644.11	1644.91	1646.97	1646.01	1648.34	1651.81	1651.36	1650.01	1649.33	1648.11	1645.77
MAX	1644.69	1644.98	1645.05	1647.73	1646.76	1651.09	1652.46	1652.17	1650.58	1650.10	1649.36	1646.90
MIN	1644.03	1643.82	1644.68	1644.63	1645.38	1646.43	1650.99	1650.74	1649.41	1648.72	1646.95	1644.53
‡	3.376	3.563	3.509	3.864	3.785	4.629	4.684	4.739	4.304	4.248	3.866	3.469
‡‡	-38.5	+72.1	-20.2	+132	-32.7	+315	+21.2	+20.5	-168	-20.9	-143	-153

CAL YR 1999 MEAN 1645.94 MAX 1650.64 MIN 1641.12 ‡‡ +10.43
WTR YR 2000 MEAN 1647.60 MAX 1652.46 MIN 1643.82 ‡‡ - 0.32

‡ 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°45'30", long 74°16'05", Hamilton County, Hydrologic Unit 02020001, on right bank 0.8 mi downstream from Indian Lake Dam, 1.0 mi upstream from Big Brook, and 2.0 mi south of village of Indian Lake.
DRAINAGE AREA.--132 mi^2.
PERIOD OF RECORD.--July 1912 to June 1914, June 1915 to September 1915 (monthly discharges only, published in WSP 1302), October 1915 to current year.
REVISED RECORDS.--WDR NY-94-1: 1993.
GAGE.--Water-stage recorder. Datum of gage is 1,604.23 ft above 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 ft^3/s, Mar. 28, 1913, gage height, 7.8 ft; minimum, has been less than 1.0 ft^3/s, when entire flow of river is stored in Indian Lake.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,200 ft^3/s, Apr. 6, gage height, 4.40 ft; minimum, 55 ft^3/s, Aug. 16, gage height, 1.07 ft.

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	191	189	189	197	207	207	616	677	601	233	347	212
2	189	190	189	197	207	208	617	663	476	233	464	212
3	189	191	189	199	207	208	621	656	474	233	461	212
4	194	189	189	213	207	208	737	645	474	233	460	211
5	192	189	195	208	207	208	1070	640	442	218	459	209
6	192	187	204	208	207	208	1180	636	354	160	459	209
7	192	187	204	209	207	209	1090	635	352	160	458	209
8	191	187	204	209	207	209	1010	631	350	159	456	209
9	191	187	203	209	207	213	1070	626	351	162	456	209
10	191	187	203	210	207	216	1090	630	350	164	454	212
11	191	187	199	211	207	214	1010	696	350	160	454	210
12	190	187	199	210	207	217	929	852	350	160	454	210
13	190	187	199	209	207	217	840	917	350	160	453	210
14	191	187	198	209	207	217	776	993	351	186	451	209
15	190	187	200	209	207	217	756	1020	350	221	450	211
16	190	187	200	209	207	259	800	961	350	256	319	209
17	192	187	199	209	207	413	831	887	350	468	345	209
18	192	187	199	209	207	414	818	832	350	467	343	208
19	192	187	199	209	207	414	780	793	350	465	342	207
20	192	187	201	209	207	415	735	758	350	463	341	207
21	192	187	202	209	207	415	745	718	350	463	339	207
22	192	187	199	209	207	416	868	686	350	463	339	269
23	192	187	199	209	204	416	1010	663	350	461	291	320
24	192	187	199	209	202	417	1030	671	349	460	217	319
25	192	186	199	209	202	418	979	704	345	459	216	252
26	191	190	199	209	202	420	902	720	316	458	214	210
27	189	191	199	209	203	420	845	696	233	456	214	209
28	189	189	199	209	210	441	793	668	233	411	214	209
29	189	189	199	209	207	435	749	653	233	232	213	209
30	189	189	199	209	---	490	708	645	233	230	212	209
31	189	---	199	209	---	609	---	637	---	250	212	---
TOTAL	5918	5635	6154	6451	5984	9988	26005	22609	10717	9304	11107	6607
MEAN	191	188	199	208	206	322	867	729	357	300	358	220
MAX	194	191	204	213	210	609	1180	1020	601	468	464	320
MIN	189	186	189	197	202	207	616	626	233	159	212	207

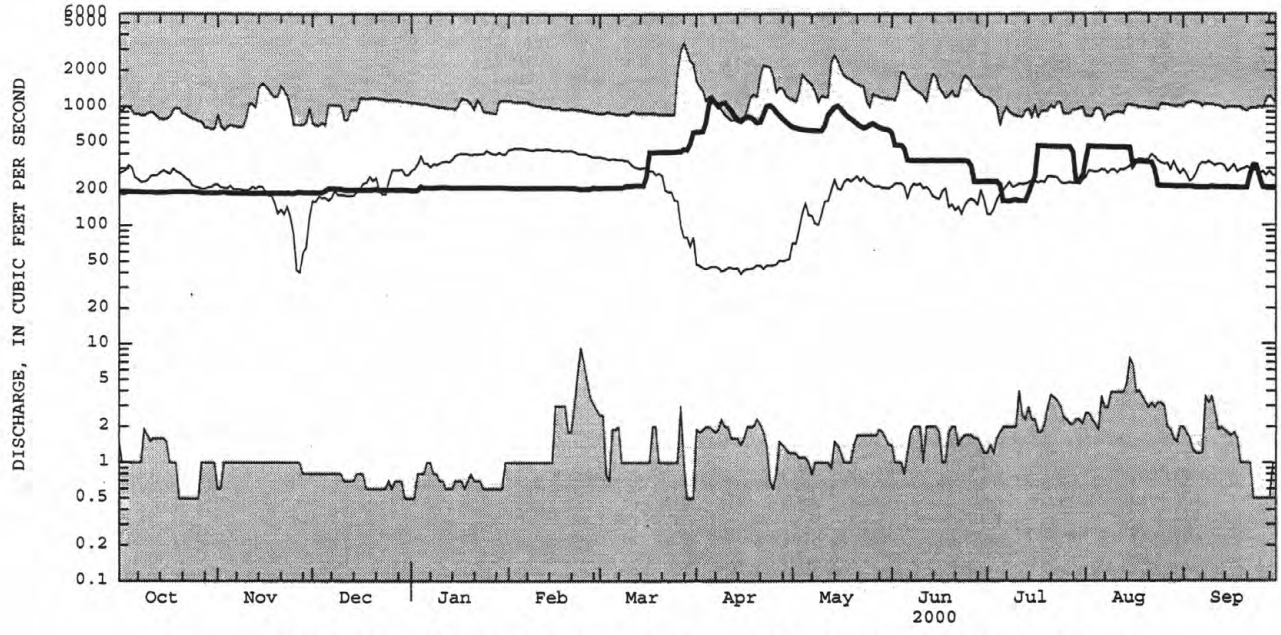
ADJUSTED FOR CHANGE IN CONTENTS OF INDIAN LAKE

MEAN	152	260	179	340	173	637	888	750	189	279	215	66.8
CFSM	1.16	1.97	1.35	2.58	1.31	4.83	6.73	5.68	1.43	2.11	1.63	0.51
IN	1.33	2.20	1.56	2.97	1.37	5.56	7.51	6.55	1.60	2.44	1.88	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2000, BY WATER YEAR (WY)

MEAN	267	221	261	362	412	284	199	315	255	272	358	346
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1912 - 2000	
ANNUAL TOTAL	82987		126479			
ANNUAL MEAN	227		346		296	
ANNUAL MEAN (ADJUSTED)	237		346			
HIGHEST ANNUAL MEAN					457	1976
LOWEST ANNUAL MEAN					106	1931
HIGHEST DAILY MEAN	420	Apr 30	1180	Apr 6	3460	Mar 28 1913
LOWEST DAILY MEAN	76	Jun 16	159	Jul 8	.50	Sep 23 1913
ANNUAL SEVEN-DAY MINIMUM	76	Jun 18	161	Jul 6	.50	Oct 20 1913
ANNUAL RUNOFF (CFSM, ADJUSTED)	1.80		2.62			
ANNUAL RUNOFF (INCHES, ADJUSTED)	24.42		35.55			
10 PERCENT EXCEEDS	366		719		632	
50 PERCENT EXCEEDS	199		210		250	
90 PERCENT EXCEEDS	81		189		8.6	



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

01315500 HUDSON RIVER AT NORTH CREEK, NY

LOCATION.--Lat 43°42'03", long 73°59'02", Warren County, Hydrologic Unit 02020001, on left bank 125 ft upstream from bridge on State Highway 28N in village of North Creek, 500 ft upstream from North Creek, and 26 mi downstream from Indian Lake.
DRAINAGE AREA.--792 mi^2.
PERIOD OF RECORD.--September 1907 to current year.
REVISED RECORDS.--WSP 621: Drainage area. WSP 1432: 1908-18, 1920, 1922. WDR NY-78-1: 1977.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 987.51 ft above 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 ft^3/s, Dec. 31, 1948, gage height, 12.14 ft; minimum, 79 ft^3/s, Sept. 5, 6, 1999, gage height, 1.94 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,200 ft^3/s, Mar. 28, gage height, 8.42 ft; maximum gage height, 9.32 ft, Feb. 28, ice jam; minimum discharge, 366 ft^3/s, Sept. 23, gage height, 2.65 ft.

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	1230	979	1910	e780	e740	4770	4450	3070	1870	846	4670	515
2	1420	968	e1600	797	e740	3870	3880	3300	1660	746	4180	736
3	1180	1190	1460	865	e780	3100	4180	3510	1480	605	3520	1090
4	1170	1560	1350	2640	e780	2500	8660	3230	1300	716	2740	903
5	1840	1420	1310	5700	e760	2040	10600	3130	1280	590	2230	714
6	1780	1250	1310	4420	e740	1780	8080	3860	1340	665	1730	649
7	1530	1140	1300	3340	e720	1560	6020	3990	1980	484	1560	603
8	1310	1050	1270	2170	e700	1560	5280	3760	1890	537	1450	563
9	1270	988	1180	1980	e720	2130	6650	4270	1730	542	1080	612
10	1200	976	1100	1770	e740	4840	6710	5540	1780	2300	1270	517
11	1190	964	1070	e1700	e720	5140	5690	9980	1490	3110	1120	429
12	1220	1020	e1000	e1600	e700	4460	4710	8500	1420	2070	1350	468
13	1130	999	993	e1500	e700	3590	3910	7180	1440	1520	1460	637
14	1110	961	946	e1200	e720	2880	3590	8700	1620	1070	1340	701
15	1320	952	944	e1000	e740	2410	4050	7600	1800	1060	1270	852
16	1470	955	e920	e980	e740	2180	6050	5950	1740	2460	1330	1050
17	1380	909	e900	954	e720	2250	6140	4760	1670	2890	1950	966
18	1240	873	e880	865	e720	e2100	5330	4130	1590	2290	1790	1110
19	1110	844	e800	846	e720	1970	4500	4490	1450	1720	1600	905
20	1040	828	e820	861	e740	1860	3930	4280	1440	1590	1330	617
21	994	947	e1100	829	e720	1800	4800	3700	1230	1340	1030	450
22	1020	1160	e1300	825	e700	1950	9010	3200	1410	1500	1030	387
23	1080	1210	e1300	778	e680	2310	10000	2950	1230	1370	897	462
24	1630	1200	e1200	e780	e700	2900	7770	3410	1310	1130	1130	583
25	1950	1180	e1000	e760	e800	3480	6130	4470	1240	1130	962	613
26	1830	1300	e960	e760	e1100	4270	4940	4360	1070	961	993	616
27	1340	3140	e900	772	e1800	4100	4390	3770	921	1000	864	588
28	1130	3720	872	745	e3300	8000	4050	3200	772	863	687	572
29	1060	3040	844	e760	5340	10500	3670	2730	890	862	731	549
30	1100	2380	e820	e760	---	7420	3340	2400	774	633	618	605
31	1030	---	e800	e760	---	5530	---	2120	---	3360	660	---
TOTAL	40304	40103	34159	44497	29780	109250	170510	139540	42817	41960	48572	20062
MEAN	1300	1337	1102	1435	1027	3524	5684	4501	1427	1354	1567	669
MAX	1950	3720	1910	5700	5340	10500	10600	9980	1980	3360	4670	1110
MIN	994	828	800	745	680	1560	3340	2120	772	484	618	387

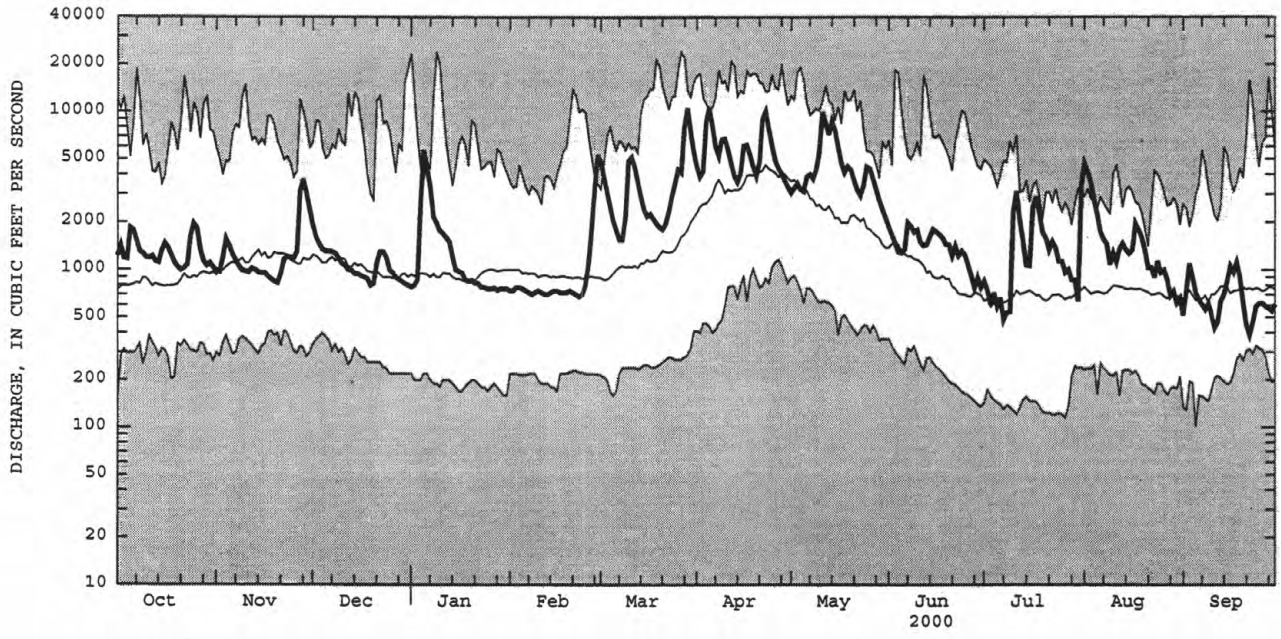
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2000, BY WATER YEAR (WY)

MEAN	1171	1492	1329	1197	1107	1860	4241	2830	1270	839	791	880
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1907 - 2000	
ANNUAL TOTAL	497949		761554			
ANNUAL MEAN	1364		2081		1583	
HIGHEST ANNUAL MEAN					2449	1976
LOWEST ANNUAL MEAN					862	1965
HIGHEST DAILY MEAN	7780	Apr 9	10600	Apr 5	23900	Mar 27 1913
LOWEST DAILY MEAN	100	Sep 5	387	Sep 22	100	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	210	Sep 1	528	Sep 21	120	Jul 20 1934
10 PERCENT EXCEEDS	2720		4550		3360	
50 PERCENT EXCEEDS	1050		1290		995	
90 PERCENT EXCEEDS	313		701		460	

e Estimated

01315500 HUDSON RIVER AT NORTH CREEK, NY--Continued



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

01318500 HUDSON RIVER AT HADLEY, NY

LOCATION.--Lat 43°19'08", long 73°50'41", Saratoga County, Hydrologic Unit 02020001, on right bank at Hadley, 400 ft downstream from outlet of Lake Luzerne, and 0.3 mi upstream from Sacandaga River.
DRAINAGE AREA.--1,664 mi^2.
PERIOD OF RECORD.--July 1921 to current year.
REVISED RECORDS.--WSP 561: 1921-22. WSP 756: Drainage area. WSP 1432: 1931 (m).
GAGE.--Water-stage recorder. Datum of gage is 563.99 ft above 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 ft^3/s, Jan. 1, 1949, gage height, 21.21 ft; minimum, 196 ft^3/s, Sept. 3, 1999, gage height, 0.63 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge for the flood of March 27, 1913, was about 49,000 ft^3/s, based on peak runoff comparison with a station 12.7 mi upstream (drainage area 1,533 mi^2).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 29	0330	*18,700	*11.40	May 11	1830	15,200	9.92
Apr. 5	0400	17,900	11.05	May 14	1515	15,200	9.94
Apr. 23	0615	17,300	10.82				

Minimum discharge, 673 ft^3/s, Sept.22, gage height, 1.92 ft.

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	1940	1770	3550	1470	e1200	7190	8760	6380	3970	1490	7310	1070
2	2120	1700	3060	1470	e1200	6520	7710	6280	3550	1460	6620	970
3	2020	1790	2830	1500	e1200	5810	7620	6470	3240	1380	6460	1630
4	1890	2120	2660	3010	e1150	4970	12800	6030	2860	1300	5290	1660
5	2400	2200	2540	8890	e1200	4460	17200	5590	2700	1340	4510	1480
6	2710	2000	2480	7420	e1200	4050	14600	5960	2820	1190	3830	1260
7	2440	1850	2430	6390	e1200	3730	11700	6310	4310	1160	3490	1160
8	2160	1730	2340	4710	e1200	3830	10200	5950	4020	966	3210	1090
9	1980	1630	2230	4050	e1100	4750	11200	6200	3340	1030	2750	1040
10	1950	1570	2110	3690	e1050	7970	11800	7140	3550	2330	2510	1050
11	1910	1590	2040	e3500	e1100	8450	10600	13400	3090	4290	2560	964
12	1930	1590	1940	e3300	e1100	7820	9350	13300	3040	3390	2840	885
13	1860	1640	1880	e3100	e1100	7010	8040	11500	3030	2460	2870	1160
14	1890	1600	1800	2220	e1050	5960	7430	14700	3580	2080	2710	1360
15	1960	1550	1800	1740	e1100	5290	7760	13300	3650	1750	2510	1300
16	2230	1530	e1700	e1700	e1100	5030	9630	11000	3520	4180	2530	1570
17	2160	1490	e1700	e1700	e1100	5080	10300	9180	3200	5480	3010	1520
18	2090	1420	e1600	e1600	e1100	4640	9450	8020	3090	4560	3050	1570
19	1860	1360	1510	e1600	e1050	4300	8510	7920	2970	3670	2680	1520
20	1770	1360	1430	e1500	e1050	4070	7570	7660	2710	3200	2390	1270
21	1690	1390	1970	e1500	e1050	3930	7930	6980	2550	2910	2100	1080
22	1620	1560	2520	e1400	e1050	4050	12500	6250	2630	2760	1850	792
23	1940	1710	2490	e1300	e1000	4400	16600	5740	2600	2700	1800	773
24	2400	1710	2260	e1300	e1100	5060	14000	6320	2310	2400	1930	853
25	2830	1700	1870	e1300	e1300	5720	11800	7630	2260	2080	1930	991
26	2870	1800	e1800	e1200	1780	6520	10100	7560	2170	1950	1730	989
27	2500	4360	e1700	e1200	2740	6820	9220	6870	1920	1800	1650	961
28	2110	5560	e1700	e1150	5040	11200	8620	6080	1770	1770	1500	923
29	1930	4940	1640	e1150	7260	17100	7810	5430	1560	1610	1300	907
30	1900	4160	1580	e1150	---	13000	7060	4870	1660	1560	1320	883
31	1860	---	e1500	e1150	---	10300	---	4380	---	2770	1120	---
TOTAL	64920	62380	64660	78360	44870	199030	307870	240400	87670	73016	91360	34681
MEAN	2094	2079	2086	2528	1547	6420	10260	7755	2922	2355	2947	1156
MAX	2870	5560	3550	8890	7260	17100	17200	14700	4310	5480	7310	1660
MIN	1620	1360	1430	1150	1000	3730	7060	4380	1560	966	1120	773

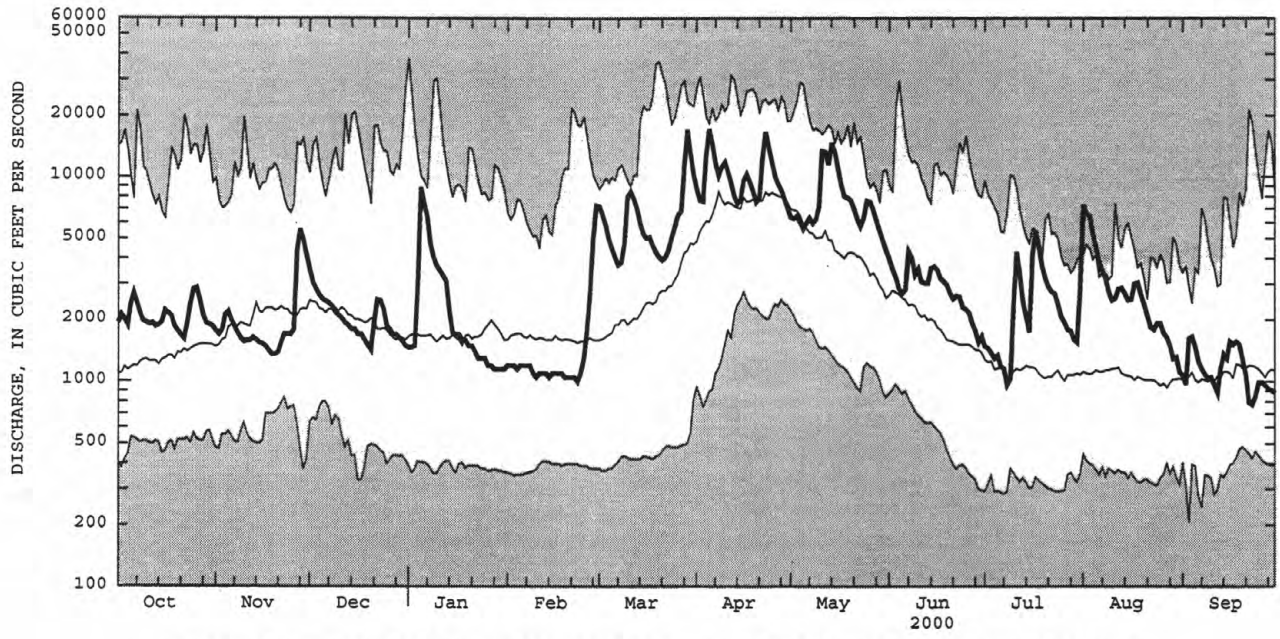
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2000, BY WATER YEAR (WY)

MEAN	1926	2677	2558	2264	2023	3697	8401	5313	2414	1457	1214	1346
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1922 - 2000	
ANNUAL TOTAL	877197		1349217			
ANNUAL MEAN	2403		3686		2939	
HIGHEST ANNUAL MEAN					4574	1976
LOWEST ANNUAL MEAN					1408	1965
HIGHEST DAILY MEAN	14700	Apr 5	17200	Apr 5	38100	Jan 1 1949
LOWEST DAILY MEAN	208	Sep 3	773	Sep 23	208	Sep 3 1999
ANNUAL SEVEN-DAY MINIMUM	333	Sep 2	897	Sep 22	299	Jul 20 1934
10 PERCENT EXCEEDS	4850		7980		6520	
50 PERCENT EXCEEDS	1860		2320		1800	
90 PERCENT EXCEEDS	467		1140		784	

e Estimated

01318500 HUDSON RIVER AT HADLEY, NY--Continued



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

01321000 SACANDAGA RIVER NEAR HOPE, NY

LOCATION.--Lat 43°21'10", long 74°16'15", Hamilton County, Hydrologic Unit 02020002, on left bank 1.5 mi downstream from West Branch Sacandaga River, on State Highway 30, and 4.5 mi upstream from Hope.
DRAINAGE AREA.--491 mi^2.
PERIOD OF RECORD.--September 1911 to current year.
GAGE.--Water-stage recorder. Datum of gage is 881.31 ft above 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 ft^3/s, Mar. 27, 1913, gage height, 11.0 ft, from floodmarks at site then in use; maximum gage height, 13.32 ft, Mar. 1, 1955 (ice jam); minimum discharge, about 16 ft^3/s, Sept. 30, 1913, gage height, 1.17 ft; minimum gage height, 1.03 ft, Sept. 1, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 4	--	a11,000	b*7.38	Apr. 4	1300	11,200	7.07
Mar. 28	1715	*11,600	7.17	May 11	0400	9,960	6.75

a About.
b Ice jam.

Minimum discharge, 147 ft^3/s, July 9, gage height, 1.46 ft.

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	568	349	1240	e400	e390	2690	2790	1570	1080	435	1600	342
2	513	354	1050	e430	e390	2350	2510	1720	900	384	2350	403
3	440	977	935	e540	e410	2010	2720	1680	723	354	2340	446
4	479	992	846	e6400	e400	1730	7560	1490	641	421	1680	426
5	765	825	776	e7000	e390	1500	6030	1490	596	364	1250	372
6	660	715	754	e3600	e380	1290	4500	1580	809	314	1030	412
7	570	637	732	e2500	e370	1190	3560	1500	1780	274	1060	381
8	492	556	675	e1500	e370	1350	3220	1320	1480	246	934	315
9	491	504	611	e1000	e380	2540	4220	1280	1290	283	810	273
10	539	475	592	e940	e390	5110	3440	1630	1330	1790	712	255
11	581	524	e560	e880	e380	3430	2940	6180	1080	1210	633	246
12	627	499	e520	e1000	e370	3350	2640	3890	1130	832	1410	244
13	522	461	e500	e960	e370	2800	2240	3980	1130	655	1350	724
14	523	457	e490	e740	e380	2340	2170	7000	1580	481	1120	661
15	516	463	e470	e620	e400	2020	2980	4620	1570	654	956	741
16	463	446	e450	e540	e390	1920	4170	3680	1300	3930	1620	648
17	444	419	e440	e490	e380	2070	3260	2860	1110	2710	1500	559
18	443	389	e430	e470	e380	1740	2790	2590	960	2160	1140	403
19	383	351	e400	e450	e390	1520	2400	2600	895	1770	952	441
20	352	396	e480	e450	e390	1490	2190	2310	753	1410	792	327
21	347	445	e620	e440	e380	1320	3060	2150	714	1130	711	350
22	327	462	e660	e430	e370	1600	4890	1990	1110	879	602	330
23	566	440	e620	e410	e370	1900	4970	1800	941	747	637	329
24	757	430	e540	e400	e500	2410	3870	3240	811	630	953	332
25	670	440	e500	e400	e600	2560	3170	3470	667	548	766	306
26	578	793	e450	e400	e1100	2970	2560	2760	627	468	646	352
27	533	3870	e430	e410	e1800	2600	2390	2380	585	384	591	279
28	448	2530	e420	e400	3540	7730	2340	1950	540	384	537	264
29	399	1860	e400	e400	3230	6570	2040	1750	469	364	491	269
30	392	1580	e400	e400	---	4480	1830	1380	524	1020	458	248
31	349	---	e390	e400	---	3470	---	1200	---	1390	415	---
TOTAL	15737	23639	18381	35400	19590	82050	99450	79040	29125	28621	32046	11678
MEAN	508	788	593	1142	676	2647	3315	2550	971	923	1034	389
MAX	765	3870	1240	7000	3540	7730	7560	7000	1780	3930	2350	741
MIN	327	349	390	400	370	1190	1830	1200	469	246	415	244

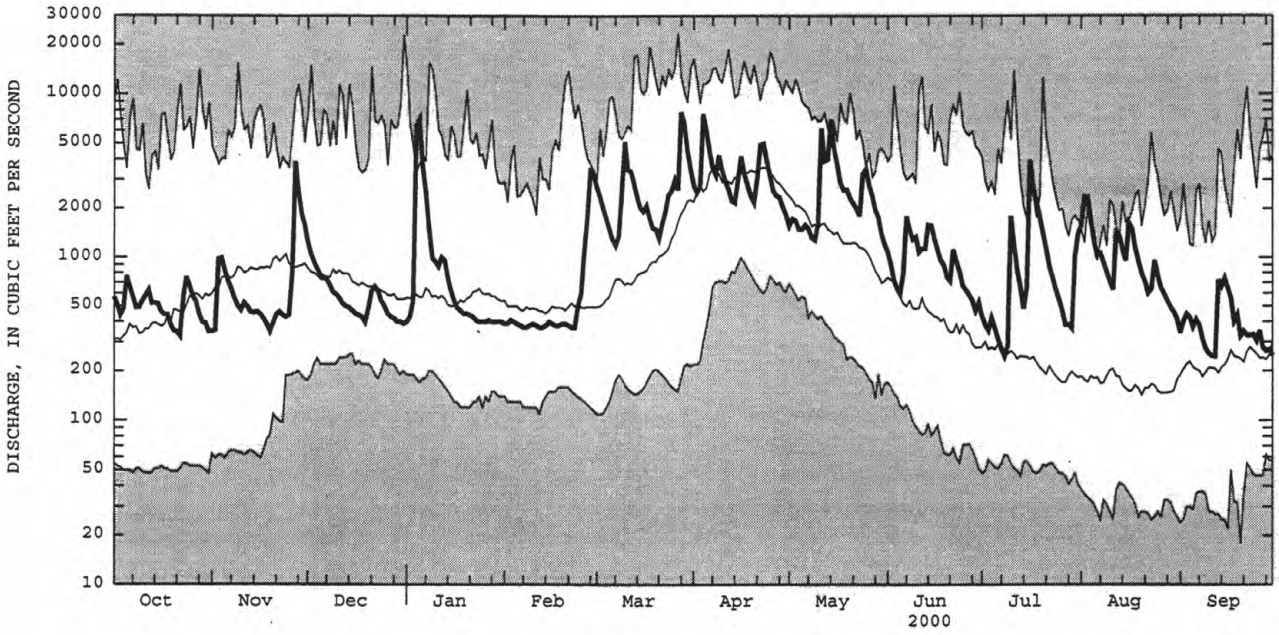
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

MEAN	720	1113	1033	878	717	1650	3583	1767	737	428	276	379
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	316158		474757			
ANNUAL MEAN	866		1297		1106	
HIGHEST ANNUAL MEAN					1706	1976
LOWEST ANNUAL MEAN					611	1965
HIGHEST DAILY MEAN	7170	Apr 4	7730	Mar 28	23500	Mar 27 1913
LOWEST DAILY MEAN	24	Sep 1	244	Sep 12	18	Sep 20 1913
ANNUAL SEVEN-DAY MINIMUM	27	Aug 30	293	Sep 24	26	Sep 10 1913
10 PERCENT EXCEEDS	2030		3000		2690	
50 PERCENT EXCEEDS	490		712		568	
90 PERCENT EXCEEDS	61		370		137	

e Estimated

01321000 SACANDAGA RIVER NEAR HOPE, NY--Continued



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

01323500 GREAT SACANDAGA LAKE AT CONKLINGVILLE, NY

LOCATION.--Lat 43°18'57", long 73°55'39", Saratoga County, Hydrologic Unit 02020002, 800 ft upstream from right end of Conklingville Dam on Sacandaga River at Conklingville.
DRAINAGE AREA.--1,044 mi^2.
PERIOD OF RECORD.--January 1930 to current year. Prior to October 1969, published as "Sacandaga Reservoir at Conklingville."
GAGE.--Water-stage recorder. Datum of gage is 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 ft^3 between elevations 735.0 ft and 768.0 ft. Between elevations 768.0 ft and 771.0 ft (spillway crest) an additional 3.450 bil ft^3 is available exclusively for flood storage. Elevation of inverts of three Dow valves is 699.0 ft. Capacity of 4.600 bil ft^3 below elevation 735.0 ft is considered dead storage, except for extraordinary emergencies or for necessary inspection of structures. Purpose of reservoir is to provide flood control and low-water stream regulation for sanitary improvement, navigation, and power, as required by the public welfare, including public health and safety. Area of water surface of reservoir filled to capacity, elevation, 771.0 ft, is 41.7 mi^2. Discharge over spillway May 1-10, 1983, May 18-25, 1990, Apr. 25-28, 1993, May 13-18, 2000 (only spillage since dam completion in 1930). Satellite and telephone gage-height telemeter at station.
COOPERATION.--Supplemental records provided by Board of Hudson River-Black River Regulating District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 773.29 ft, May 4, 1983, contents, 40.418 bil ft^3; minimum since first filling, 729.55 ft, Mar. 30, 1940, contents, 2.100 bil ft^3.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 772.01 ft, May 15, contents, 38.902 bil ft^3; minimum, 749.03 ft, Feb. 26, contents, 15.077 bil ft^3.

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

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	755.81	754.56	754.07	753.66	753.50	750.41	762.07	770.02	769.42	767.70	766.99	765.62
2	755.79	754.42	754.13	753.59	753.27	750.85	762.39	770.04	769.24	767.61	767.14	765.48
3	755.77	754.52	754.16	753.53	753.05	751.18	762.74	770.04	769.03	767.49	767.38	765.46
4	755.69	754.48	754.20	754.03	752.80	751.40	763.67	770.03	768.80	767.42	767.50	765.33
5	755.74	754.37	754.19	755.57	752.59	751.49	765.09	770.10	768.52	767.29	767.51	765.20
6	755.79	754.33	754.21	756.32	752.35	751.55	765.77	770.10	768.44	767.16	767.44	765.05
7	755.74	754.22	754.25	756.79	752.12	751.59	766.31	770.05	768.88	767.03	767.40	764.90
8	755.73	754.14	754.23	757.07	751.88	751.65	766.73	770.00	769.04	766.90	767.39	764.75
9	755.75	754.08	754.22	757.24	751.68	751.86	767.36	769.94	768.98	766.78	767.38	764.56
10	755.68	754.02	754.24	757.41	751.41	752.50	767.90	769.80	768.90	766.77	767.31	764.39
11	755.68	753.88	754.32	757.73	751.22	753.21	768.11	770.30	768.71	766.73	767.22	764.23
12	755.64	753.85	754.25	758.05	751.01	753.80	768.38	770.55	768.51	766.69	767.33	764.08
13	755.61	753.79	754.24	758.18	750.84	754.32	768.54	770.69	768.38	766.64	767.45	764.02
14	755.59	753.73	754.17	758.28	750.75	754.65	768.67	771.40	768.30	766.57	767.46	763.92
15	755.52	753.68	754.22	758.12	750.66	754.91	768.87	771.79	768.21	766.52	767.48	763.86
16	755.46	753.62	754.29	757.98	750.54	755.17	769.21	771.68	768.12	767.00	767.52	763.76
17	755.40	753.49	754.32	757.78	750.41	755.51	769.54	771.31	768.01	767.48	767.49	763.64
18	755.31	753.39	754.22	757.47	750.23	755.77	769.77	770.90	767.90	767.70	767.38	763.47
19	755.26	753.26	754.14	757.18	750.07	755.95	769.75	770.57	767.81	767.71	767.27	763.33
20	755.23	753.19	754.08	756.88	749.95	756.12	769.50	770.36	767.76	767.70	767.11	763.21
21	755.17	753.11	754.15	756.63	749.78	756.25	769.35	770.07	767.78	767.69	766.94	763.14
22	755.10	753.04	754.20	756.37	749.60	756.45	769.66	769.82	767.89	767.66	766.77	762.91
23	755.15	752.97	754.18	756.06	749.40	756.72	770.16	769.81	767.94	767.56	766.64	762.73
24	755.12	752.92	754.14	755.75	749.20	756.97	770.37	770.00	767.94	767.46	766.65	762.59
25	755.07	752.85	754.07	755.46	749.10	757.33	770.32	770.33	767.94	767.35	766.59	762.41
26	755.03	752.84	754.03	755.23	749.07	757.72	770.07	770.26	767.92	767.24	766.49	762.24
27	754.93	753.23	753.98	754.94	749.12	758.06	769.88	770.11	767.92	767.13	766.36	762.10
28	754.88	753.71	753.91	754.63	749.40	758.77	769.82	769.98	767.88	767.03	766.19	761.87
29	754.78	753.89	753.85	754.32	749.94	760.30	769.85	769.88	767.81	766.92	766.07	761.73
30	754.67	753.97	753.80	754.02	---	761.13	769.94	769.76	767.79	766.89	765.92	761.55
31	754.64	---	753.73	753.80	---	761.66	---	769.60	---	766.93	765.77	---
MEAN	755.38	753.72	754.14	756.13	750.86	755.01	767.99	770.30	768.33	767.19	767.02	763.72
MAX	755.81	754.56	754.32	758.28	753.50	761.66	770.37	771.79	769.42	767.71	767.52	765.62
MIN	754.64	752.84	753.73	753.53	749.07	750.41	762.07	769.60	767.76	766.52	765.77	761.55
‡	20.20	19.61	19.34	19.32	16.09	27.58	36.56	35.98	33.99	33.13	31.72	27.09
‡‡	-448	-228	-101	-7	-1,335	+4,290	+3,464	-217	-768	-321	-526	-1,786

CAL YR 1999 MEAN 756.80 MAX 767.73 MIN 745.09 ‡‡ +107
WTR YR 2000 MEAN 760.84 MAX 771.79 MIN 749.07 ‡‡ +180

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

01325000 SACANDAGA RIVER AT STEWARTS BRIDGE, NEAR HADLEY, NY

LOCATION.--Lat 43°18'41", long 73°52'04", Saratoga County, Hydrologic Unit 02020002, on left bank 1.0 mi downstream from Stewarts Bridge, 1.1 mi west of Hadley, 1.4 mi upstream from mouth, and 1.5 mi downstream from Stewarts Bridge hydroelectric plant.
DRAINAGE AREA.--1,055 mi^2.
PERIOD OF RECORD.--September 1907 to current year. Published as "near Hadley" 1907-1910, "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.--No estimated daily discharges. Records good except those below about 50 ft^3/s, which are fair. Flow regulated by Great Sacandaga Lake since Mar. 27, 1930 (see station 01323500); discharge over spillway May 1-10, 1983, May 18-25, 1990, Apr. 25-28, 1993, May 13-18, 2000 (only spillage since completion of Conklingville Dam in 1930). Extensive diurnal fluctuation caused by release of water from Great Sacandaga Lake, through Elmer J. West hydroelectric station directed by Board of Hudson River-Black River Regulating District and through Stewarts Bridge hydroelectric station. Satellite and telephone gage-height telemeter at station.
COOPERATION.--From Oct. 1, 1932, to Dec. 4, 1979, discharge computed by Board of Hudson River-Black River Regulating District from rating developed by U.S. Geological Survey. Since Dec. 4, 1979, discharge computed by U.S. Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 35,500 ft^3/s, Mar. 28, 1913, gage height, 12.36 ft, site and datum then in use; minimum, 4.2 ft^3/s, May 4, 1985, Mar. 30, 31, Apr. 1-10, 11, 13, 14, 15, 1992. Maximum discharge since construction of Conklingville Dam in 1930, 13,300 ft^3/s, May 4, 1983, gage height, 9.68 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,300 ft^3/s, May 16, 17, gage height, 8.50 ft; minimum, 32 ft^3/s, Mar. 4, gage height, 0.64 ft.

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	1010	1590	1150	1470	4000	1180	34	1910	4040	1830	1970	2540
2	1020	1600	1040	1540	3130	884	34	2850	4040	1850	47	2520
3	1030	1520	1150	1540	3040	1030	35	2930	4060	2000	1020	2540
4	1030	1520	1200	1560	3020	1780	41	2040	4050	1980	1020	2540
5	1000	1520	1240	375	3080	1980	46	1990	4050	2010	2480	2540
6	1020	1470	1210	44	3230	1950	46	2860	2080	2000	2200	2540
7	1030	1510	1170	1020	2990	1980	176	3020	2690	1860	2630	2530
8	1030	1480	1180	1040	3030	1860	34	2970	2940	2000	1480	2550
9	1190	1520	1190	1040	2960	2010	36	2990	3900	2010	1490	2580
10	1200	1530	1030	1230	3020	1910	1390	2310	4000	2050	2480	2570
11	1170	1550	1030	1040	3150	1940	1210	2870	3960	2010	2470	2420
12	1190	1530	1110	1040	2710	1390	1320	4010	4060	1600	3090	2540
13	1190	1510	989	1300	2560	1390	1800	5120	3900	1440	3030	2520
14	1370	1520	1030	2080	2530	1370	1880	5610	3990	1460	1860	2480
15	1360	1530	1390	3040	2410	1040	1800	6810	4010	1560	2160	2510
16	1350	1540	1380	3210	2540	833	1760	9150	3970	1680	2980	2520
17	1390	1540	1350	3960	2550	801	1770	10200	3050	1790	3030	2520
18	1360	1580	1360	4110	2540	1130	3470	10100	3080	2000	3030	2000
19	1330	1520	1400	4110	2520	771	5870	8920	3020	2510	3020	2530
20	1370	1530	1340	4120	2560	754	7720	7930	1540	1900	3030	1920
21	1320	1490	1390	4050	2560	898	7670	7940	1550	2000	3020	2650
22	1300	1460	1550	4000	2550	747	4670	5340	1630	2000	2990	2570
23	1550	1520	1520	3980	2530	738	5200	2890	1210	2020	2540	2520
24	1500	1520	1370	4040	2560	724	5810	3320	1360	2010	2540	2490
25	1550	1340	1340	4050	2200	701	7730	6340	1370	1990	2530	2530
26	1550	1360	1430	4030	2510	658	7800	6310	1370	2010	2490	2400
27	1560	1550	1400	4060	3440	666	6590	5430	1360	2020	2590	2520
28	1550	1370	1400	4020	2460	530	4890	4090	1340	2010	2470	2500
29	1610	1370	1380	4000	2590	117	2180	4060	1340	1990	2520	2190
30	1600	1800	1390	4020	---	913	1960	3980	1510	2020	2520	2750
31	1550	---	1390	4040	---	34	---	4040	---	2020	2540	---
TOTAL	40280	45390	39499	83159	80970	34709	84972	150330	84470	59630	73267	74530
MEAN	1299	1513	1274	2683	2792	1120	2832	4849	2816	1924	2363	2484
MAX	1610	1800	1550	4120	4000	2010	7800	10200	4060	2510	3090	2750
MIN	1000	1340	989	44	2200	34	34	1910	1210	1440	47	1920

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

MEAN	853	1271	1174	2690	1345	5469	6336	4632	2047	1604	1840	699
CFSM	0.81	1.21	1.11	2.55	1.28	5.18	6.01	4.39	1.94	1.52	1.74	0.66
IN.	0.93	1.34	1.28	2.94	1.33	5.98	6.70	5.06	2.16	1.75	2.01	0.74

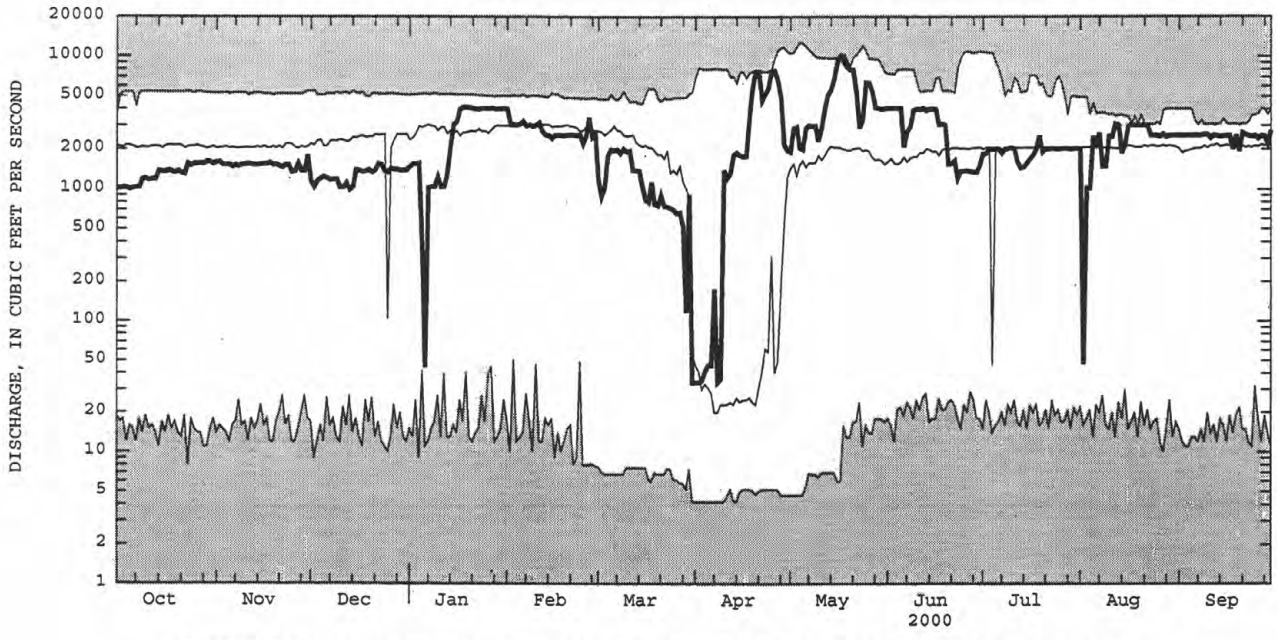
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2000, BY WATER YEAR (WY)

MEAN	1963	2207	2487	2742	2795	1990	1196	2424	2027	1929	1911	1845
MAX	5149	5177	4935	5026	4910	3921	5691	7035	5203	4589	3013	2846
(WY)	1946	1976	1960	1978	1973	1972	1979	1983	1947	1935	1935	1994
MIN	508	968	1117	1210	1144	89.0	5.85	40.5	712	927	872	963
(WY)	1996	1998	1965	1965	1931	1954	1985	1931	1987	1941	1995	1941

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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931 - 2000	
ANNUAL TOTAL	547729.1		851206			
ANNUAL MEAN	1501		2326		2125	
ANNUAL MEAN (ADJUSTED)*	1606		2507		2153	
HIGHEST ANNUAL MEAN					3452	1976
LOWEST ANNUAL MEAN					1122	1965
HIGHEST DAILY MEAN	4210	Feb 14	10200	May 17	12800	May 4 1983
LOWEST DAILY MEAN	5.2	Apr 13	34	Mar 31	4.2	Mar 31 1992
ANNUAL SEVEN-DAY MINIMUM	27	Apr 12	39	Mar 31	4.2	Mar 31 1992
ANNUAL RUNOFF (CFSM, ADJUSTED)*	1.52		2.38		2.04	
ANNUAL RUNOFF (INCHES, ADJUSTED)*	20.67		32.25		27.71	
10 PERCENT EXCEEDS	3040		4040		4050	
50 PERCENT EXCEEDS	1520		1980		2070	
90 PERCENT EXCEEDS	58		1030		32	

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



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

01327750 HUDSON RIVER AT FORT EDWARD, NY

LOCATION.--Lat 43°16'10", long 73°35'47", Washington County, Hydrologic Unit 02020003, on left bank 40 ft upstream from Irving Paper Mill, 150 ft south of River Street in Fort Edward, and 0.4 mi upstream from bridge on State Highway 197.
DRAINAGE AREA.--2,817 mi^2.
PERIOD OF RECORD.--January 1899 to December 1908, December 1976 to current year.
GAGE.--Water-stage recorder. Datum of gage is 100.00 ft above 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 ft^3/s, May 3, 1983, gage height, 28.34 ft; maximum gage height, 28.71 ft, Jan. 11, 1978 (ice jam); minimum discharge, 234 ft^3/s, July 25, 1983; minimum gage height, 19.33 ft, Sept. 4, 1978.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 89,100 ft^3/s, Mar. 28, 1913, at site about 14 mi upstream (drainage area, 2,779 mi^2).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,400 ft^3/s, Apr. 23, gage height, 25.82 ft; minimum, 522 ft^3/s, Oct. 19, gage height, 19.79 ft.

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	2910	2970	5300	2910	5130	8870	9070	8510	7860	3170	8010	3710
2	2950	3690	4480	2820	4260	7800	7970	8210	7510	3250	e7600	3290
3	3130	3440	3840	3170	4180	7100	7330	8930	6880	3550	7320	3550
4	3140	3300	3940	4000	4060	6750	10900	8780	7030	3450	7060	4360
5	2640	3490	3810	8360	4050	6550	18300	7590	6540	3290	5860	3960
6	3670	3540	3410	7300	4210	5890	16000	7550	5440	2990	5810	3950
7	3890	3590	3570	6790	4100	5860	12800	8580	5970	3270	6570	3860
8	3170	2890	3550	6170	e4200	5770	10500	8830	7250	3090	5800	3510
9	2790	3040	3340	4750	4060	6260	10900	8870	7080	2970	4010	3470
10	2990	3190	3260	4850	3880	8810	13700	9110	7200	3700	4490	3600
11	3030	2840	3010	5120	3880	10500	12500	14000	7180	5420	4850	3450
12	3030	3150	3200	4880	4020	10000	11100	18200	7040	5350	5460	3380
13	2970	3100	3070	4360	3630	8930	10800	16900	6640	4530	6140	3190
14	3180	3100	2880	5200	3680	7660	9670	20400	7330	3660	4680	4040
15	3410	2860	2920	4900	3480	7080	9400	20600	7410	3180	5730	4220
16	3230	2940	3050	4590	3490	6280	10700	20400	7550	e6000	4220	3680
17	3370	3090	3300	e6000	3820	6160	12500	19600	e7000	e7400	5360	3720
18	3250	3160	3410	e6200	3710	5850	12200	18200	e6400	6940	6310	3780
19	e3200	2850	2940	e6000	3600	5700	13700	17600	e6100	6050	5520	3820
20	e3300	2740	2530	5560	3610	5280	14800	15500	e5000	5110	5430	3490
21	2900	3030	2970	e5700	3620	4740	15300	15100	e4300	5020	5170	3980
22	2660	2890	4090	e5600	3540	5050	16800	12900	4900	4600	4820	3150
23	3370	3120	3750	e5500	3600	5510	22400	8770	3900	4610	4520	3390
24	3840	3240	3550	5220	3610	5740	20700	9260	3490	4270	4310	2990
25	3920	3230	3180	4980	3640	6460	20000	12600	3900	4330	4450	3400
26	4670	3140	2840	5350	3920	7070	18200	14300	3540	3890	4220	3140
27	4050	4650	2980	e5300	5630	7830	16500	12400	3620	4120	4300	3550
28	3830	6680	3050	e5200	6930	9200	13700	10600	2820	3930	4140	3160
29	3350	6490	2690	4990	10000	18400	11100	9400	3020	3440	3910	3620
30	3460	5620	2770	5050	---	15500	8960	8860	2830	3320	3430	3260
31	3370	---	2820	5160	---	11100	---	8480	---	3720	3820	---
TOTAL	102670	105060	103500	161980	123540	239700	398500	389030	172730	131620	163320	107670
MEAN	3312	3502	3339	5225	4260	7732	13280	12550	5758	4246	5268	3589
MAX	4670	6680	5300	8360	10000	18400	22400	20600	7860	7400	8010	4360
MIN	2640	2740	2530	2820	3480	4740	7330	7550	2820	2970	3430	2990

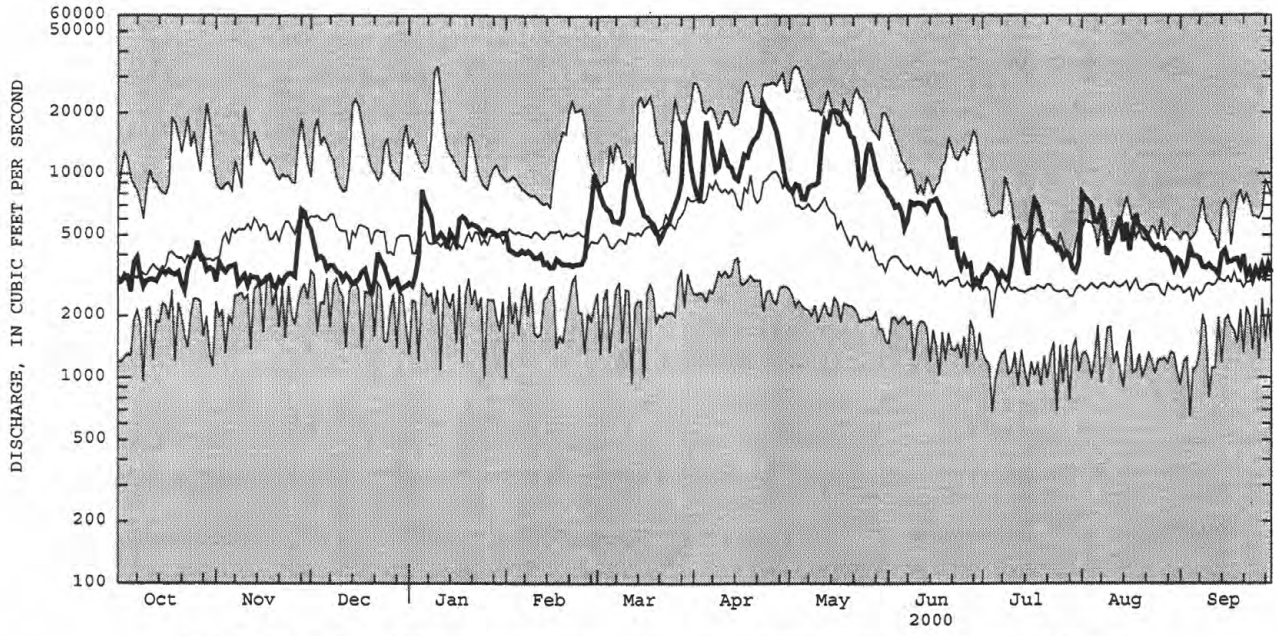
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2000, BY WATER YEAR (WY)

MEAN	4238	5506	5538	5408	5248	6144	10040	7559	4100	2901	2952	3135
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	1962	2361
(WY)	1998	1979	1979	1989	1989	1989	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1977 - 2000	
ANNUAL TOTAL	1414610		2199320			
ANNUAL MEAN	3876		6009		5213	
HIGHEST ANNUAL MEAN					6768	1990
LOWEST ANNUAL MEAN					3569	1995
HIGHEST DAILY MEAN	15200	Apr 5	22400	Apr 23	34100	May 3 1983
LOWEST DAILY MEAN	1450	Jul 16	2530	Dec 20	652	Sep 4 1978
ANNUAL SEVEN-DAY MINIMUM	1850	Aug 16	2860	Dec 27	1270	Aug 23 1995
10 PERCENT EXCEEDS	6790		11100		9220	
50 PERCENT EXCEEDS	3110		4400		3980	
90 PERCENT EXCEEDS	1980		3030		2390	

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.

01327755 HUDSON RIVER AT ROGERS ISLAND AT FORT EDWARD, NY

LOCATION.--Lat 43°15'52", long 73°35'28", Saratoga-Washington Counties, Hydrologic Unit 02020003, at bridges on State Highway 197 over Rogers Island in Fort Edward, 0.4 mi downstream from discharge station (01327750, Hudson River at Fort Edward), and 0.6 mi upstream from Champlain Canal.
DRAINAGE AREA.--2,817 mi^2, at gage.
PERIOD OF RECORD.--Water years 1975 to 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), 1993-2000 (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), 1993-2000 (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). Values reported for sediment discharge suspended, parameter code 80155, are calculated based on instantaneous discharges.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT							
28...	1310	3970	<.030	<.010	<.010	2.0	21
NOV							
08...	1405	2920	<.030	<.010	<.010	2.2	17
18...	1030	2870	<.030	<.010	<.010	1.7	13
23...	1105	2900	<.030	<.010	<.010	1.7	13
DEC							
15...	1040	2010	<.010	<.010	<.010	1.0	5.4
FEB							
29...	1100	11000	<.010	<.010	<.010	10	311
MAR							
01...	1055	8670	<.010	<.010	<.010	5.3	125
03...	1125	6800	<.010	<.010	<.010	3.0	55
15...	1030	6570	<.010	<.010	<.010	1.2	22
29...	1035	19500	<.010	<.010	<.010	27	1440
30...	1310	16100	<.010	<.010	<.010	11	499
APR							
03...	1055	7040	<.010	<.010	<.010	1.9	35
05...	1035	18700	<.010	<.010	<.010	13	655
06...	1015	16300	<.010	<.010	<.010	7.0	308
11...	1520	10500	<.010	<.010	<.010	2.1	59
12...	1455	11000	<.010	<.010	<.010	2.7	80
20...	1235	14000	<.010	<.010	<.010	2.8	107
23...	1100	22900	<.010	<.010	<.010	16	1000
23...	1101	22900	<.010	<.010	<.010	16	1000
25...	1117	19400	<.010	<.010	<.010	5.2	274
MAY							
05...	1012	6880	<.010	<.010	<.010	1.5	28
12...	1230	17600	<.010	<.010	<.010	6.7	320
13...	1035	16800	<.010	<.010	<.010	4.6	208
16...	1105	20200	<.010	<.010	<.010	4.6	248
26...	1115	15000	<.010	<.010	<.010	3.7	151
JUN							
09...	1022	6880	<.010	<.010	<.010	1.9	34
21...	1137	E4300	<.010	<.010	<.010	2.0	E23
JUL							
08...	1115	4960	<.010	<.010	<.010	2.2	29
AUG							
18...	1403	6370	<.020	<.010	<.010	1.3	23
SEP							
14...	1330	3590	<.020	<.010	<.010	1.2	12
27...	1010	1550	<.020	<.010	<.010	1.8	7.4

* Quality control sample, duplicate.
E Estimated daily.

01329500 BATTEN KILL AT BATTENVILLE, NY

LOCATION.--Lat 43°06'05", long 73°25'55", Washington County, Hydrologic Unit 02020003, on left bank 1.0 mi southwest of Battenville, and 1.2 mi upstream from Trout Brook.
DRAINAGE AREA.--394 mi^2.
PERIOD OF RECORD.--September to December 1908 (gage heights only), October 1922 to September 1968, October 1986 to March 1998 (annual maximum only), April 1998 to current year.
GAGE.--Water-stage recorder. Datum of gage is 369.09 ft above 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 ft^3/s, Nov. 4, 1927, gage height, 17.7 ft, from floodmarks; minimum discharge, 7.3 ft^3/s, Oct. 5, 1953 (result of regulation).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1600	*6,270	*8.21	Apr. 5	1530	4,310	6.73

Minimum discharge, 200 ft^3/s, Sept. 30, gage height, 2.78 ft.

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

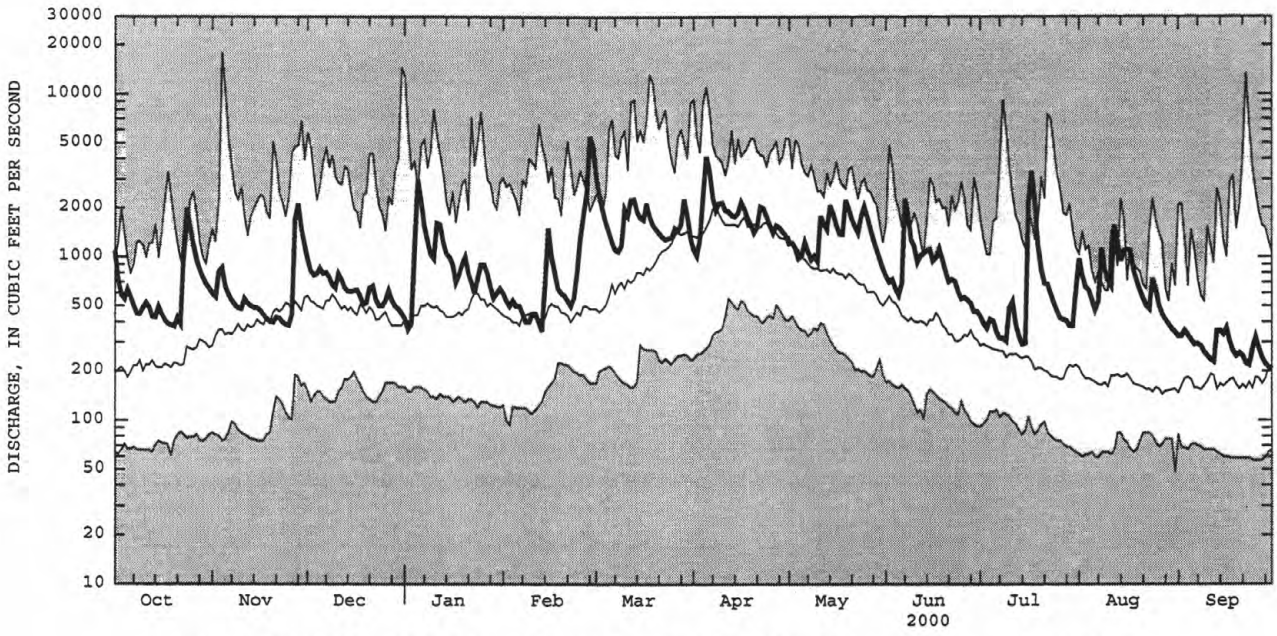
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1090	595	960	419	e600	3060	1110	1210	763	434	971	328
2	734	568	818	359	e540	2370	1020	1220	705	392	763	329
3	585	810	775	386	e500	1930	1290	1140	729	367	652	354
4	552	854	787	1130	e540	1620	2380	981	645	415	627	332
5	633	663	853	2970	e500	1420	4120	1020	586	406	548	312
6	570	588	792	2220	e500	1230	3400	1230	687	350	473	291
7	500	541	804	1560	e450	1110	2340	1080	2260	320	533	295
8	449	507	753	1260	e400	1080	1940	966	1810	319	1130	284
9	447	484	677	1040	e400	1170	2130	1020	1270	306	830	261
10	487	479	646	979	e450	1960	2150	942	1160	486	714	248
11	524	554	788	1610	e450	1800	1930	1780	930	532	661	235
12	492	519	726	1580	e400	2240	1900	1600	1020	389	1560	228
13	431	500	649	1230	e350	2250	1800	1480	1060	328	1250	351
14	428	488	617	1050	e700	1900	1770	2070	1090	293	947	352
15	494	486	613	e1000	e1500	1740	1860	1850	1120	296	1090	337
16	449	469	622	e900	e1000	1690	2160	1580	947	2190	1110	367
17	411	442	628	e700	e800	2120	1970	1390	992	3350	1090	304
18	390	419	575	e780	e640	1770	1730	1380	1120	2170	832	266
19	383	404	511	e900	e600	1580	1580	2230	968	1180	712	248
20	374	397	522	e1000	e580	1480	1410	1970	819	842	623	258
21	423	427	644	e800	e540	1400	1520	1710	710	690	556	248
22	389	422	663	e700	e500	1330	2030	1540	731	681	502	224
23	1080	399	548	e600	e560	1280	1990	1410	708	593	479	218
24	1990	386	e500	e740	e800	1300	1770	1770	614	521	741	271
25	1550	380	e500	e900	e1300	1310	1570	2030	554	465	632	322
26	1200	444	e540	e900	1810	1500	1410	1760	566	422	504	276
27	967	1700	e620	e800	2470	1450	1560	1490	545	413	446	242
28	836	2120	e540	e660	5450	1580	1520	1270	518	407	413	223
29	748	1490	e500	e560	4700	2260	1430	1110	463	377	387	212
30	683	1190	e480	e600	---	1800	1350	970	463	377	362	205
31	641	---	e450	e640	---	1330	---	851	---	631	346	---
TOTAL	20930	19725	20101	30973	30030	52060	56140	44050	26553	20942	22484	8421
MEAN	675	658	648	999	1036	1679	1871	1421	885	676	725	281
MAX	1990	2120	960	2970	5450	3060	4120	2230	2260	3350	1560	367
MIN	374	380	450	359	350	1080	1020	851	463	293	346	205
CFSM	1.71	1.67	1.65	2.54	2.63	4.26	4.75	3.61	2.25	1.71	1.84	.71
IN.	1.98	1.86	1.90	2.92	2.84	4.92	5.30	4.16	2.51	1.98	2.12	.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2000, BY WATER YEAR (WY)

MEAN	327	614	667	734	671	1205	1741	999	521	354	242	273
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1923 - 2000	
ANNUAL TOTAL	259147		352409			
ANNUAL MEAN	710		963		695	
HIGHEST ANNUAL MEAN					980	1928
LOWEST ANNUAL MEAN					335	1965
HIGHEST DAILY MEAN	7710	Jan 25	5450	Feb 28	18000	Nov 4 1927
LOWEST DAILY MEAN	71	Sep 5	205	Sep 30	48	Aug 31 1953
ANNUAL SEVEN-DAY MINIMUM	80	Sep 2	248	Sep 18	58	Sep 21 1964
ANNUAL RUNOFF (CFSM)	1.80		2.44		1.76	
ANNUAL RUNOFF (INCHES)	24.47		33.27		23.98	
10 PERCENT EXCEEDS	1550		1900		1580	
50 PERCENT EXCEEDS	536		711		420	
90 PERCENT EXCEEDS	119		352		141	

e Estimated



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

01330000 GLOWEGEE CREEK AT WEST MILTON, NY

LOCATION.--Lat 43°01'50", long 73°55'40", Saratoga County, Hydrologic Unit 02020003, on left bank at upstream side of highway bridge, 0.5 mi south of West Milton, 1.5 mi upstream from mouth, and 4.0 mi northwest of Ballston Spa.
DRAINAGE AREA.--26.0 mi^2.
PERIOD OF RECORD.--April 1948 to June 1963, October 1990 to current year.
GAGE.--Water-stage recorder. 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 ft^3/s, Dec. 31, 1948, gage height, 7.04 ft (prior to concrete control); maximum gage height, 7.12 ft, Jan. 8, 1998; minimum discharge, 0.37 ft^3/s, Aug. 10, 11, 1949, gage height, 0.67 ft (prior to concrete control).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 28	1400	417	5.19	May 24	1145	431	5.23
Apr. 4	1215	586	5.64	June 7	0230	*666	*5.83

Minimum discharge, 6.1 ft^3/s, Dec. 28, 29, gage height, 2.99 ft.

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	27	9.7	16	7.3	13	152	55	44	26	19	24	11
2	17	9.4	13	7.9	12	122	49	45	33	17	32	18
3	13	13	14	9.8	13	94	62	39	56	17	35	51
4	13	13	15	170	13	78	326	27	33	30	27	27
5	13	11	17	128	13	79	191	32	27	21	20	23
6	11	9.4	18	52	13	83	102	36	146	16	17	18
7	11	9.8	18	35	e13	85	80	31	381	14	38	15
8	9.7	9.3	16	30	12	114	68	27	113	12	39	12
9	10	9.5	14	26	e13	142	127	24	68	12	22	12
10	14	11	14	39	13	171	122	49	50	19	22	13
11	19	22	18	126	e13	110	112	118	41	15	69	12
12	16	17	16	98	e13	244	112	54	44	12	156	15
13	23	16	15	49	13	153	98	75	48	10	85	64
14	17	15	13	e23	18	98	86	188	138	10	47	33
15	18	14	18	e22	39	86	77	76	81	24	48	42
16	14	13	26	e21	42	89	67	48	53	177	52	32
17	12	10	25	e20	34	106	56	38	58	68	38	23
18	12	11	18	e18	28	74	66	57	59	36	27	18
19	11	11	11	e17	27	65	75	112	49	24	22	15
20	14	11	13	e16	26	64	58	82	37	19	17	14
21	12	12	27	e14	24	64	189	62	32	17	16	13
22	12	12	23	e13	22	63	234	55	90	24	13	12
23	19	11	16	12	21	61	155	49	51	19	28	12
24	21	12	11	11	24	58	119	259	34	15	58	21
25	18	12	8.7	11	36	54	80	130	27	13	31	17
26	14	24	e8.0	e11	72	59	64	73	26	12	22	14
27	12	51	e7.2	e11	89	49	84	52	26	13	16	13
28	11	37	6.6	e11	211	218	75	44	24	12	15	12
29	11	25	6.6	11	207	159	59	39	21	11	13	11
30	10	20	6.8	11	---	90	50	35	23	17	12	10
31	10	---	7.3	12	---	68	---	29	---	24	11	---
TOTAL	444.7	461.1	456.2	1043.0	1087	3152	3098	2029	1895	749	1072	603
MEAN	14.3	15.4	14.7	33.6	37.5	102	103	65.5	63.2	24.2	34.6	20.1
MAX	27	51	27	170	211	244	326	259	381	177	156	64
MIN	9.7	9.3	6.6	7.3	12	49	49	24	21	10	11	10
CFSM	.55	.59	.57	1.29	1.44	3.91	3.97	2.52	2.43	.93	1.33	.77
IN.	.64	.66	.65	1.49	1.56	4.51	4.43	2.90	2.71	1.07	1.53	.86

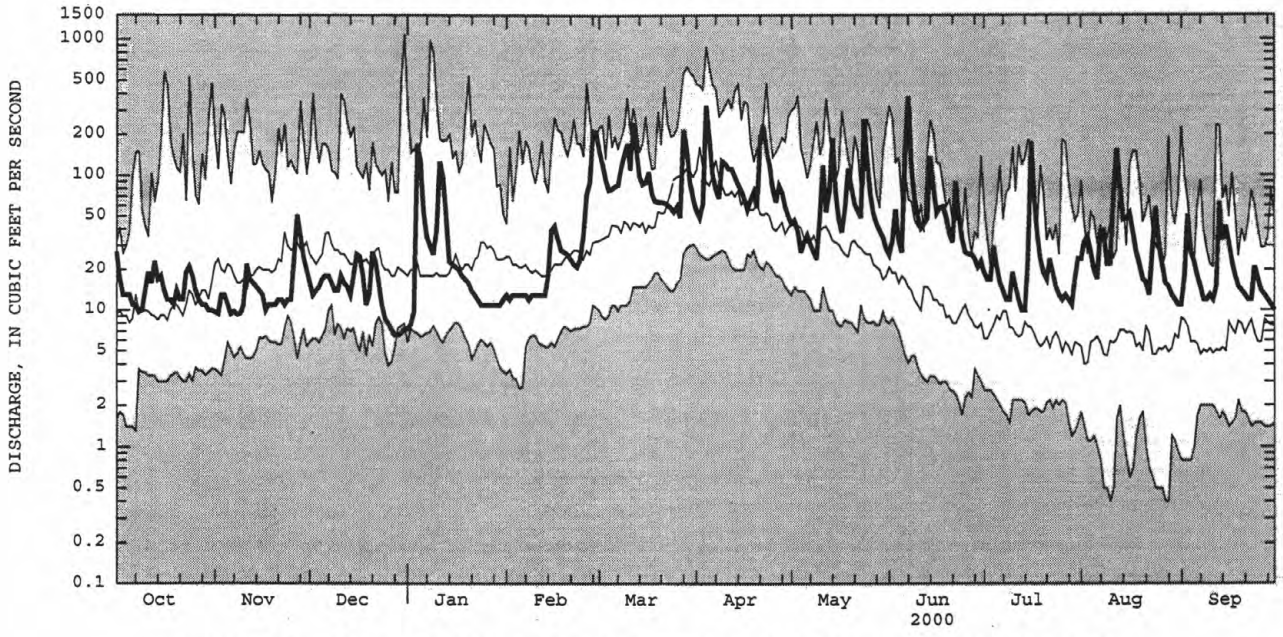
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2000, BY WATER YEAR (WY)

MEAN	20.1	33.8	36.9	38.4	36.1	77.1	97.8	44.6	21.8	13.2	11.3	11.7
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1948 - 2000	
ANNUAL TOTAL	8350.4		16090.0			
ANNUAL MEAN	22.9		44.0		37.2	
HIGHEST ANNUAL MEAN					53.4	1956
LOWEST ANNUAL MEAN					22.4	1999
HIGHEST DAILY MEAN	454	Mar 22	381	Jun 7	1080	Dec 31 1948
LOWEST DAILY MEAN	1.5	Sep 5	6.6	Dec 28	.40	Aug 10 1949
ANNUAL SEVEN-DAY MINIMUM	2.3	Aug 31	7.1	Dec 27	.51	Aug 22 1949
ANNUAL RUNOFF (CFSM)	.88		1.69		1.43	
ANNUAL RUNOFF (INCHES)	11.95		23.02		19.41	
10 PERCENT EXCEEDS	48		107		86	
50 PERCENT EXCEEDS	13		23		19	
90 PERCENT EXCEEDS	3.6		11		4.4	

e Estimated

01330000 GLOWEGEE CREEK AT WEST MILTON, NY--Continued



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

01331095 HUDSON RIVER AT STILLWATER, NY

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--1932-33 and 1966-67 (discharge measurements only), March 1977 to current year. Daily discharge records prior to October 1981 are published with suspended-sediment data.
GAGE.--There is no gage due to construction of powerplant at station. 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 ft^3/s, May 4, 1983; minimum daily discharge, 900 ft^3/s, July 25, 1983; maximum and minimum instantaneous discharges not determined.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, about 28,300 ft^3/s, Apr. 23; minimum daily, about 3,400 ft^3/s, Oct. 22, Dec. 20; maximum and miniumum instantaneous discharges not determined.

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

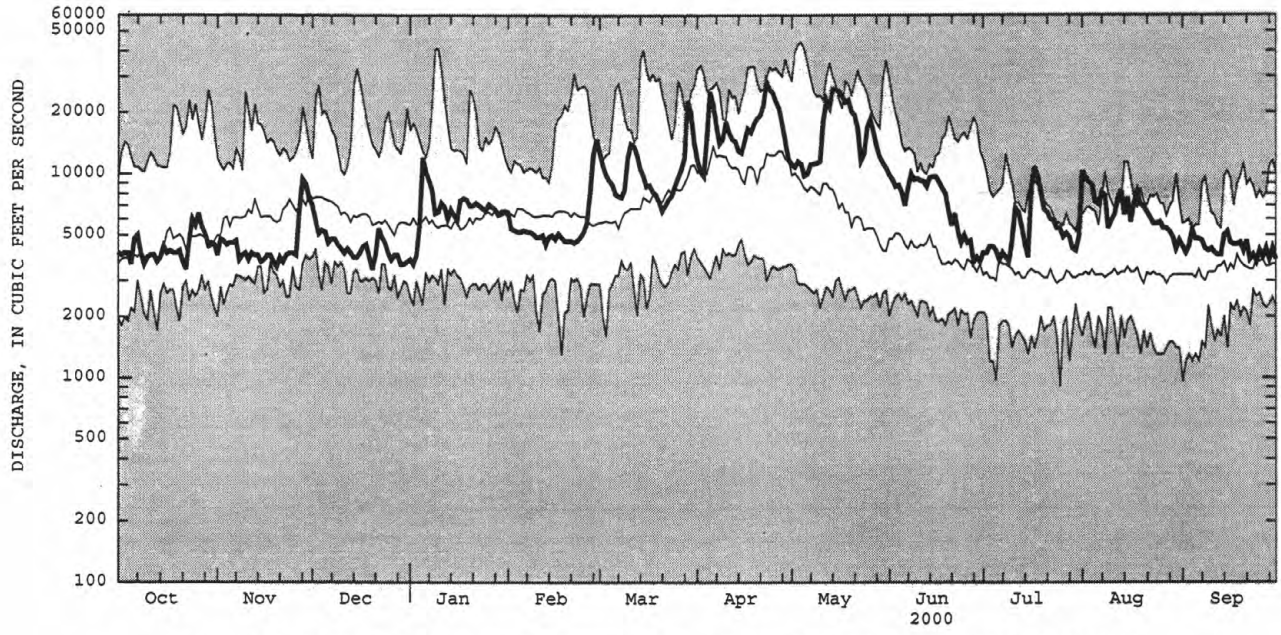
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4100	e4000	e7000	e3800	e6500	e12700	e11700	e11100	e9900	e4100	e10300	e4400
2	e4000	e4800	e5900	e3600	e5400	e11000	e10300	e10800	e9400	e4100	e9600	e4100
3	e4100	e4700	e5100	e4000	e5300	e9900	e9800	e11500	e8700	e4400	e9100	e4400
4	e4100	e4500	e5300	e5500	e5200	e9300	e14900	e11200	e8800	e4400	e8800	e5300
5	e3600	e4600	e5200	e12000	e5200	e8900	e25300	e9800	e8100	e4200	e7300	e4800
6	e4800	e4600	e4600	e10300	e5300	e8000	e22000	e10000	e7000	e3800	e7100	e4800
7	e5000	e4700	e4800	e9300	e5200	e7800	e17200	e11100	e8600	e4100	e8100	e4700
8	e4100	e3800	e4800	e8300	e5200	e7700	e14100	e11200	e10000	e3900	e7800	e4300
9	e3600	e4000	e4500	e6400	e5100	e8400	e14800	e11300	e9400	e3700	e5400	e4200
10	e3900	e4100	e4300	e6500	e4900	e12000	e18000	e11500	e9500	e4700	e5900	e4300
11	e4000	e3800	e4100	e7200	e4900	e14000	e16000	e18200	e9300	e6800	e6300	e4100
12	e4000	e4100	e4300	e6900	e5000	e13700	e14800	e22900	e9200	e6500	e7600	e4000
13	e3700	e4000	e4100	e6000	e4500	e12400	e14400	e21200	e8700	e5500	e8300	e4000
14	e3900	e4000	e3900	e6700	e4900	e10600	e13000	e26100	e9600	e4500	e6300	e5000
15	e4400	e3700	e3900	e6300	e5000	e9800	e12700	e26000	e9700	e3900	e7700	e5200
16	e4100	e3800	e4100	e5900	e4800	e8700	e14500	e25400	e9700	e8600	e5800	e4600
17	e4200	e4000	e4400	e7400	e5100	e8800	e16600	e24100	e9100	e10800	e7200	e4500
18	e4100	e4000	e4500	e7600	e4900	e8200	e16000	e22500	e8500	e9800	e8100	e4500
19	e4100	e3700	e3900	e7500	e4700	e7900	e17600	e23000	e8000	e8100	e7100	e4600
20	e4200	e3500	e3400	e7000	e4700	e7300	e18700	e20200	e6600	e6700	e6900	e4200
21	e3700	e3900	e4000	e7000	e4700	e6600	e19400	e19400	e5600	e6500	e6500	e4700
22	e3400	e3700	e5400	e7200	e4600	e7000	e21800	e16600	e6400	e6000	e6100	e3800
23	e4700	e4000	e4900	e7000	e4700	e7500	e28300	e11600	e5200	e5900	e5700	e4000
24	e6000	e4100	e4600	e6800	e4900	e7800	e26000	e12500	e4600	e5400	e5700	e3700
25	e5600	e4100	e4100	e6600	e5200	e8700	e24900	e16800	e5000	e5400	e5800	e4200
26	e6400	e4000	e3800	e7100	e5800	e9600	e22600	e18500	e4600	e4900	e5400	e3900
27	e5500	e6600	e4000	e6900	e8200	e10500	e20900	e16000	e4700	e5100	e5400	e4300
28	e5100	e9400	e4000	e6700	e12500	e12000	e17600	e13600	e3700	e4900	e5200	e3800
29	e4500	e8900	e3600	e6300	e14800	e23000	e14400	e12100	e3900	e4300	e4900	e4300
30	e4600	e7600	e3600	e6400	---	e20000	e11800	e11300	e3700	e4200	e4300	e3800
31	e4500	---	e3700	e6600	---	e14300	---	e10700	---	e4900	e4700	---
TOTAL	136000	138700	137800	212800	167200	324100	520100	498200	225200	170100	210400	130500
MEAN	4387	4623	4445	6865	5766	10450	17340	16070	7507	5487	6787	4350
MAX	6400	9400	7000	12000	14800	23000	28300	26100	10000	10800	10300	5300
MIN	3400	3500	3400	3600	4500	6600	9800	9800	3700	3700	4300	3700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2000, BY WATER YEAR (WY)

MEAN	5261	6889	6962	6870	6708	8586	12820	9415	5205	3608	3600	3798
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	2523
(WY)	1981	1981	1999	1981	1980	1989	1995	1995	1995	1995	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1977 - 2000	
ANNUAL TOTAL	1817400		2871100			
ANNUAL MEAN	4979		7845		6605	
HIGHEST ANNUAL MEAN					8808	1996
LOWEST ANNUAL MEAN					4344	1995
HIGHEST DAILY MEAN	19700	Apr 5	28300	Apr 23	44100	May 4 1983
LOWEST DAILY MEAN	1600	Jul 16	3400	Oct 22	900	Jul 25 1983
ANNUAL SEVEN-DAY MINIMUM	2060	Aug 18	3760	Dec 27	1390	Aug 23 1995
10 PERCENT EXCEEDS	8900		14800		12300	
50 PERCENT EXCEEDS	4000		5800		5100	
90 PERCENT EXCEEDS	2200		3900		2800	

e Estimated



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

01331095 HUDSON RIVER AT STILLWATER, NY--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 (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 (e).
PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: March 1977 to current year.
REMARKS.--Values reported for sediment discharge suspended, parameter code 80155, are calculated based on instantaneous discharges.
EXTREMES FOR PERIOD OF DAILY RECORD (Water years 1977-2000).--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 280 mg/L, Mar. 30, 1993; 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, 140 mg/L, Feb. 28; minimum daily mean, 1 mg/L on many days.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 6,490 tons, Apr. 5; minimum daily, 9.4 tons, Nov. 20.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT							
28...	1425	E5100	<.030	<.010	<.010	2.0	E27
NOV							
18...	1220	E4000	<.030	<.010	<.010	1.9	E20
DEC							
15...	1200	E3900	<.010	<.010	<.010	.55	E5.8
FEB							
29...	1225	E14800	<.010	<.010	<.010	100	E3980
MAR							
01...	1210	E12700	<.010	<.010	<.010	31	E1060
03...	1245	E9900	<.010	<.010	<.010	12	E309
29...	1215	E23000	<.010	<.010	<.010	63	E3920
30...	1455	E20000	<.010	<.010	<.010	31	E1650
APR							
03...	1205	E9800	<.010	<.010	<.010	2.3	E61
05...	1207	E25300	<.010	<.010	<.010	99	E6760
06...	1129	E22000	<.010	<.010	<.010	29	E1720
06...	1130	E22000	<.010	<.010	<.010	29	E1720
11...	1635	E16000	<.010	<.010	<.010	11	E473
12...	1605	E14800	<.010	<.010	<.010	7.4	E298
20...	1348	E18700	.020	<.010	<.010	6.9	E351
23...	1207	E28300	<.010	<.010	<.010	24	E1860
25...	1227	E24900	<.010	<.010	<.010	12	E834
MAY							
05...	1145	E9800	<.010	<.010	<.010	3.6	E95
12...	1341	E22900	<.010	<.010	<.010	22	E1370
13...	1137	E21200	<.010	<.010	<.010	12	E667
16...	1218	E25400	<.010	<.010	<.010	16	E1130
26...	1222	E18500	<.010	<.010	<.010	16	E807
SEP							
27...	1135	E4300	.020	<.010	<.010	1.8	E20

E Estimated daily.
* Quality control sample, duplicate.

01331095 HUDSON RIVER AT STILLWATER, NY--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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	e11	e1	e11	5	e94	e3	e31	1	e18	37	e1270
2	2	e22	e1	e13	4	e64	e2	e19	1	e15	20	e594
3	2	e22	e2	e25	1	e14	e2	e22	1	e14	12	e321
4	3	e33	e2	e24	6	e86	e9	e134	1	e14	10	e251
5	2	e19	e2	e25	3	e42	e42	e1360	2	e28	8	e192
6	2	e26	e2	e25	2	e25	e42	e1170	2	e29	6	e130
7	2	e27	e2	e25	2	e26	e16	e402	1	e14	4	e84
8	2	e22	e2	e21	2	e26	e8	e179	1	e14	5	e104
9	1	e9.7	e2	e22	2	e24	e5	e86	1	e14	6	e136
10	2	e21	e2	e22	2	e23	e16	e281	1	e13	25	e810
11	1	e11	e2	e21	1	e11	e34	e661	1	e13	30	e1130
12	1	e11	e2	e22	1	e12	e20	e373	1	e14	47	e1740
13	2	e20	e2	e22	1	e11	e10	e162	2	e24	40	e1340
14	5	e53	2	e22	1	e11	e5	e90	2	e26	19	e544
15	4	e48	2	e20	2	e21	e3	e51	1	e14	9	e238
16	2	e22	1	e10	2	e22	e2	e32	2	e26	8	e188
17	2	e23	1	e11	2	e24	e1	e20	3	e41	7	e166
18	1	e11	2	e22	3	e36	e1	e21	2	e26	6	e133
19	1	e11	1	e10	4	e42	e1	e20	2	e25	5	e107
20	4	e45	1	e9.4	2	e18	e1	e19	1	e13	5	e99
21	3	e30	3	e32	4	e43	e1	e19	1	e13	4	e71
22	2	e18	2	e20	1	e15	e1	e19	1	e12	4	e76
23	2	e25	2	e22	6	e79	e1	e19	1	e13	5	e101
24	4	e65	2	e22	5	e62	e1	e18	1	e13	5	e105
25	3	e45	2	e22	4	e44	e1	e18	3	e42	4	e94
26	2	e35	2	e22	3	e31	e1	e19	16	e251	4	e104
27	2	e30	5	e89	3	e32	e1	e19	20	e443	3	e85
28	1	e14	5	e127	5	e54	e1	e18	140	e4720	3	e97
29	1	e12	5	e120	5	e49	e1	e17	100	e4000	47	e2920
30	1	e12	6	e123	5	e49	e1	e17	---	---	35	e1890
31	1	e12	---	---	4	e40	e1	e18	---	---	7	e270

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	2	e63	10	e300	14	e374	13	e144	4	e111	5	e59
2	2	e56	8	e233	13	e330	18	e199	14	e363	5	e55
3	2	e53	13	e404	14	e329	5	e59	6	e147	2	e24
4	31	e1250	10	e302	12	e285	17	e202	11	e261	4	e57
5	95	e6490	8	e212	13	e284	5	e57	2	e39	3	e39
6	32	e1900	9	e243	15	e284	9	e92	1	e19	2	e26
7	14	e650	14	e420	65	e1510	21	e232	4	e87	1	e13
8	10	e381	15	e454	28	e756	10	e105	1	e21	1	e12
9	9	e360	16	e488	23	e584	5	e50	1	e15	1	e11
10	11	e535	16	e497	22	e564	3	e38	3	e48	1	e12
11	12	e518	26	e1280	20	e502	2	e37	1	e17	6	e66
12	8	e320	29	e1790	16	e397	17	e298	4	e82	1	e11
13	6	e233	14	e801	16	e376	10	e148	7	e157	4	e43
14	6	e211	41	e2890	20	e518	5	e61	19	e323	2	e27
15	6	e206	39	e2740	17	e445	2	e21	14	e291	1	e14
16	7	e274	20	e1370	12	e314	8	e186	12	e188	4	e50
17	35	e1570	24	e1560	16	e393	5	e146	11	e214	5	e61
18	19	e821	19	e1150	15	e344	2	e53	2	e44	4	e49
19	9	e428	33	e2050	14	e302	5	e109	2	e38	2	e25
20	7	e353	26	e1420	15	e267	11	e199	2	e37	8	e91
21	6	e314	18	e943	16	e242	6	e105	4	e70	4	e51
22	11	e647	21	e941	12	e207	17	e275	1	e16	4	e41
23	22	e1680	19	e595	10	e140	17	e271	1	e15	5	e54
24	19	e1330	29	e979	9	e112	4	e58	3	e46	4	e40
25	13	e874	28	e1270	11	e148	3	e44	2	e31	3	e34
26	12	e732	19	e949	11	e137	4	e53	2	e29	4	e42
27	16	e903	18	e778	20	e254	4	e55	1	e15	1	e12
28	12	e570	17	e624	8	e80	11	e146	2	e28	2	e21
29	10	e389	11	e359	8	e84	8	e93	1	e13	4	e46
30	8	e255	12	e366	7	e70	2	e23	2	e23	3	e31
31	---	---	13	e376	---	---	11	e146	4	e51	---	---

e Estimated

01332500 HOOSIC RIVER NEAR WILLIAMSTOWN, MA

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

DRAINAGE AREA.--126 mi^2.

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

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

REMARKS.--Records good except those for estimated daily discharges, which are poor. Prior to 1966, slight diurnal fluctuation at low flow caused by mills upstream. Some regulation by Cheshire Reservoir 16 mi upstream. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--60 years, 273 ft^3/s, 29.45 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,350 ft^3/s, June 26, gage height, 8.76 ft; minimum daily, 80 ft^3/s, Feb. 11, 12.

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	382	171	318	148	e115	574	374	290	212	323	293	131
2	220	174	280	149	e110	532	345	278	251	290	230	259
3	172	633	267	176	e105	423	472	249	329	292	420	526
4	326	340	275	317	e100	359	949	229	226	337	798	288
5	326	260	277	511	e98	327	741	244	203	261	338	230
6	235	227	291	253	e92	302	507	251	490	217	249	201
7	194	203	320	241	e88	295	436	223	2070	179	335	157
8	174	191	269	212	e84	356	379	206	799	159	276	145
9	269	180	244	199	e83	551	552	207	520	158	231	142
10	272	184	242	244	e82	1200	501	476	409	192	814	150
11	355	267	286	453	e80	658	425	904	398	166	578	140
12	256	205	238	300	e80	768	404	471	1020	135	1960	123
13	212	192	220	247	e105	614	361	439	584	145	871	508
14	250	184	218	171	217	486	371	448	787	131	666	252
15	245	192	245	e150	300	491	440	333	563	137	714	403
16	205	176	253	e180	202	642	432	285	445	1090	707	323
17	188	161	253	e150	156	1360	352	254	438	446	504	211
18	175	152	212	e130	140	721	352	331	448	296	396	183
19	155	148	180	e120	e105	560	316	511	435	228	325	169
20	211	153	197	e110	e100	484	292	410	343	182	273	232
21	229	179	514	e105	130	444	377	330	292	157	245	178
22	190	162	328	e100	127	443	767	324	444	157	219	153
23	746	154	254	e105	131	454	532	294	458	153	281	149
24	567	151	213	e115	166	472	430	698	304	135	480	385
25	358	153	163	e140	352	461	366	746	472	119	275	273
26	289	234	189	e170	366	550	338	531	2090	113	223	216
27	249	1790	179	e135	610	440	404	393	895	272	198	197
28	223	750	163	e120	1740	850	474	329	640	219	170	162
29	205	482	161	e110	868	739	395	304	466	159	152	151
30	189	384	159	e115	---	545	327	282	355	183	144	146
31	178	---	154	e120	---	433	---	242	---	375	140	---
TOTAL	8245	8832	7562	5796	6932	17534	13411	11512	17386	7406	13505	6783
MEAN	266	294	244	187	239	566	447	371	580	239	436	226
MAX	746	1790	514	511	1740	1360	949	904	2090	1090	1960	526
MIN	155	148	154	100	80	295	292	206	203	113	140	123
CFSM	2.11	2.34	1.94	1.48	1.90	4.49	3.55	2.95	4.60	1.90	3.46	1.79
IN.	2.43	2.61	2.23	1.71	2.05	5.18	3.96	3.40	5.13	2.19	3.99	2.00

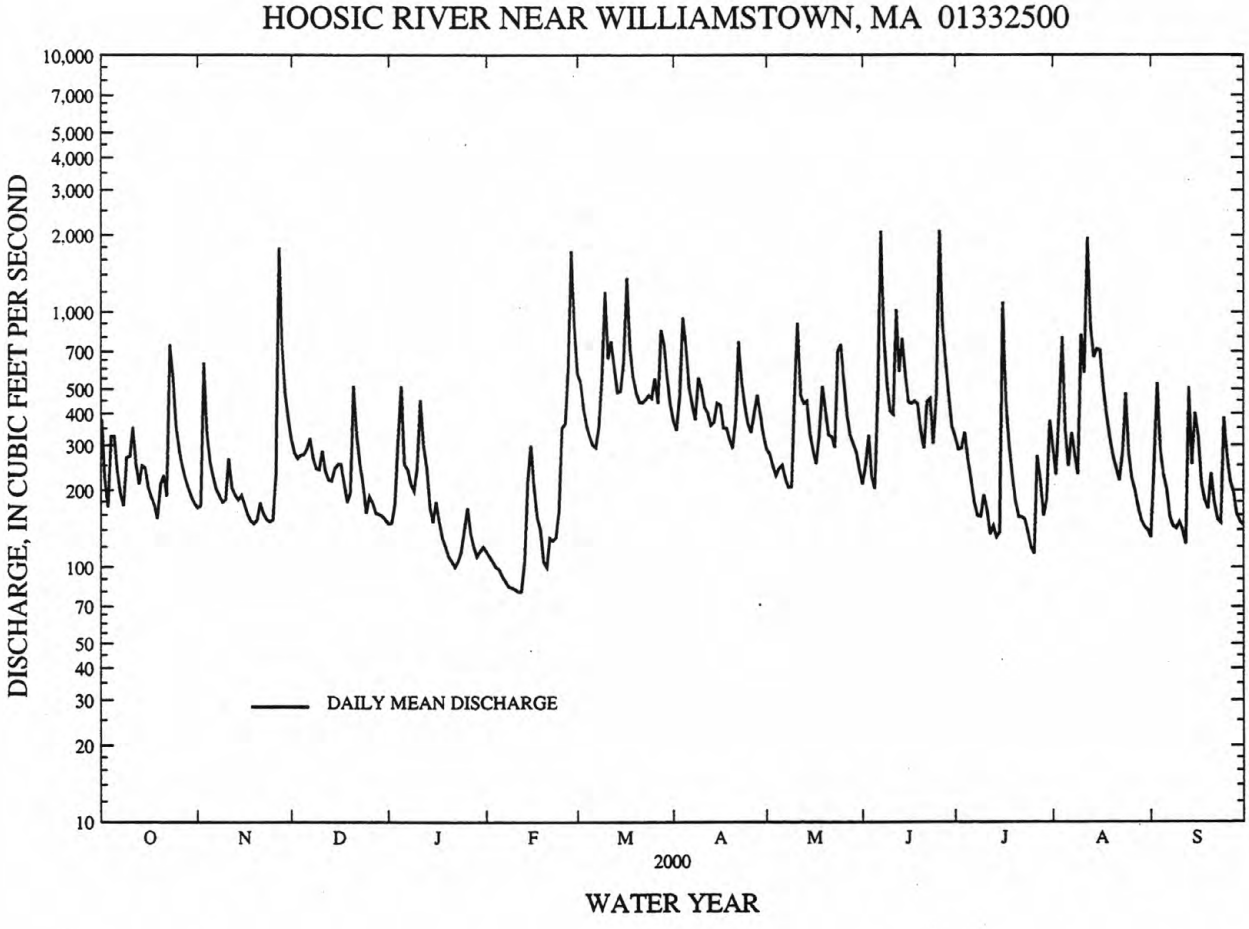
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	173	258	272	249	244	449	668	372	220	134	119	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

01332500 HOOSIC RIVER NEAR WILLIAMSTOWN, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	90224		124904			
ANNUAL MEAN	247		341		273	
HIGHEST ANNUAL MEAN					368	1975
LOWEST ANNUAL MEAN					135	1965
HIGHEST DAILY MEAN	1860	Jan 24	2090	Jun 26	10400	Dec 31 1948
LOWEST DAILY MEAN	41	Sep 5	80	Feb 11	24	Sep 9 1980
ANNUAL SEVEN-DAY MINIMUM	43	Aug 31	84	Feb 6	25	Sep 9 1980
INSTANTANEOUS PEAK FLOW			3350	Jun 26	13000	Dec 31 1948
INSTANTANEOUS PEAK STAGE			8.76	Jun 26	14.85	Dec 31 1948
INSTANTANEOUS LOW FLOW			76	Feb 13	5.8	Aug 30 1940
ANNUAL RUNOFF (CFSM)	1.96		2.71		2.17	
ANNUAL RUNOFF (INCHES)	26.64		36.88		29.45	
10 PERCENT EXCEEDS	489		611		581	
50 PERCENT EXCEEDS	190		264		166	
90 PERCENT EXCEEDS	55		135		66	

e Estimated



01333000 GREEN RIVER AT WILLIAMSTOWN, MA

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

DRAINAGE AREA.--42.6 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 615 ft above 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.--51 years, 82.8 ft^3/s, 26.42 in/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,960 ft^3/s, June. 26, gage height, 4.67 ft; minimum, 24 ft^3/s, Feb. 6, but may have been less during period of ice effect.

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	110	67	129	39	31	291	119	120	77	180	43	47
2	76	67	116	39	31	256	113	114	96	147	39	115
3	64	130	110	44	29	193	139	99	97	144	199	102
4	133	86	108	77	29	163	232	87	70	153	295	78
5	118	75	98	91	27	145	191	82	64	117	167	66
6	97	69	105	55	26	129	159	76	278	95	124	57
7	80	64	104	54	26	121	142	68	826	82	149	51
8	70	60	90	49	e24	127	132	63	411	73	115	46
9	116	57	81	46	e23	174	193	61	290	68	102	41
10	110	57	85	83	e24	285	173	172	215	66	256	40
11	129	62	94	120	e26	237	154	209	216	56	280	37
12	105	53	75	79	e28	421	153	140	288	49	647	38
13	91	51	71	69	e35	306	138	142	213	44	444	156
14	123	49	69	e42	e72	249	133	135	238	39	368	63
15	108	46	74	e40	e60	221	137	115	194	48	309	134
16	91	43	69	e39	49	213	137	101	164	219	301	94
17	82	39	65	e38	43	393	130	87	156	99	214	75
18	76	38	60	e36	e37	268	131	149	143	82	185	66
19	67	36	54	e33	e36	226	120	162	134	68	155	59
20	91	37	56	e32	e35	196	111	140	113	59	125	90
21	81	37	133	e31	34	171	134	126	96	51	105	63
22	72	35	90	e30	36	149	197	122	153	47	93	55
23	292	34	75	e32	37	135	158	112	115	42	112	51
24	196	33	65	e35	e50	125	144	223	85	38	122	72
25	155	34	47	e38	e100	119	130	248	298	36	87	58
26	136	57	e52	e42	167	128	126	200	1110	34	75	51
27	120	576	e49	e36	411	113	149	165	481	50	66	50
28	106	265	e45	e33	801	163	163	140	324	38	60	45
29	95	185	e43	e31	407	162	141	124	244	38	54	41
30	83	151	e42	e33	---	143	129	109	216	40	49	40
31	74	---	e41	32	---	129	---	92	---	52	44	---
TOTAL	3347	2593	2395	1478	2734	6151	4408	3983	7405	2354	5384	1981
MEAN	108	86.4	77.3	47.7	94.3	198	147	128	247	75.9	174	66.0
MAX	292	576	133	120	801	421	232	248	1110	219	647	156
MIN	64	33	41	30	23	113	111	61	64	34	39	37
CFSM	2.53	2.03	1.81	1.12	2.21	4.66	3.45	3.02	5.79	1.78	4.08	1.55
IN.	2.92	2.26	2.09	1.29	2.39	5.37	3.85	3.48	6.47	2.06	4.70	1.73

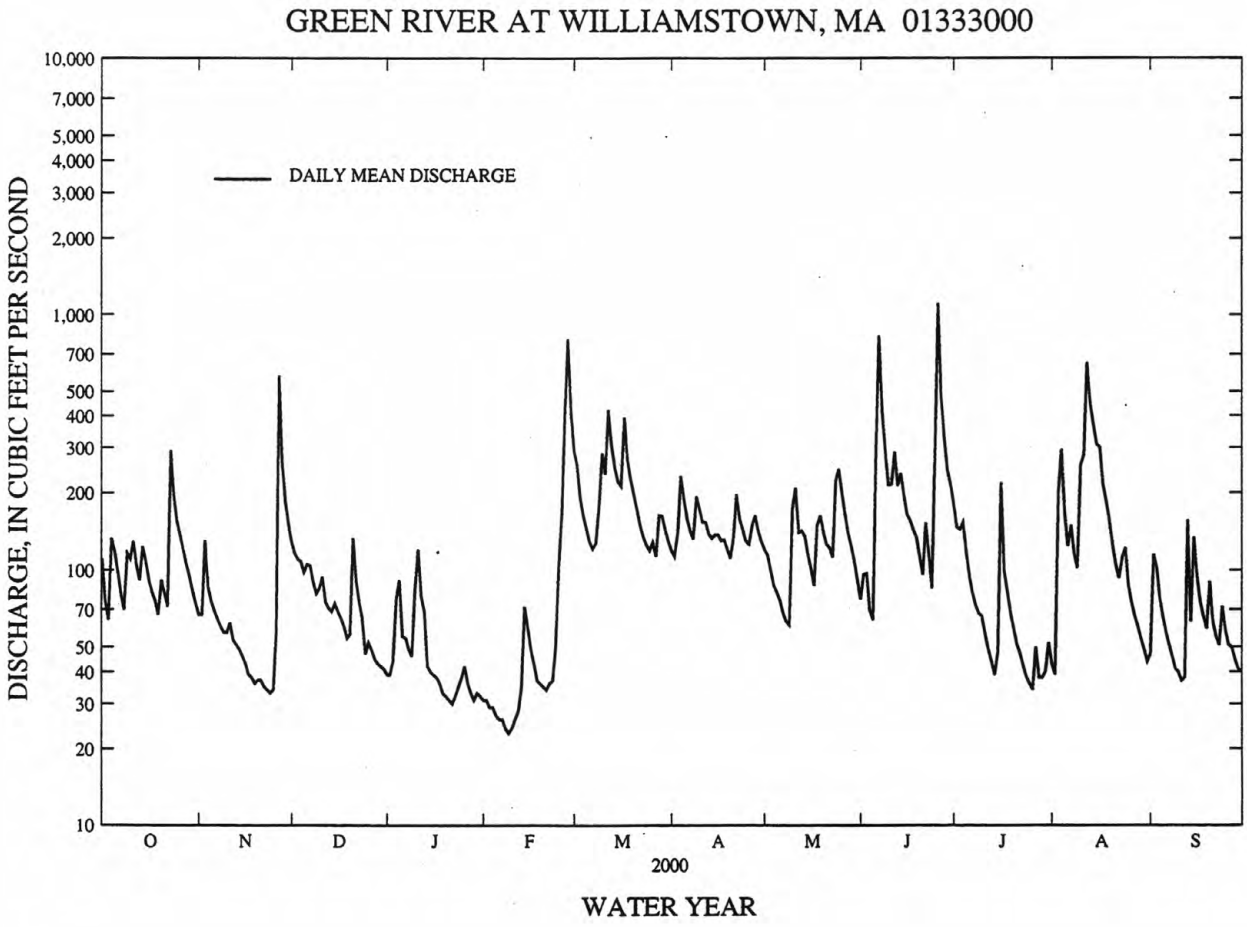
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2000, BY WATER YEAR (WY)

MEAN	46.1	77.3	92.4	82.0	82.8	145	202	112	64.6	32.3	28.9	29.3
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

01333000 GREEN RIVER AT WILLIAMSTOWN, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1949 - 2000	
ANNUAL TOTAL	31275.0		44213			
ANNUAL MEAN	85.7		121		82.8	
HIGHEST ANNUAL MEAN					126	1975
LOWEST ANNUAL MEAN					31.7	1965
HIGHEST DAILY MEAN	993	Jan 24	1110	Jun 26	2200	Dec 21 1973
LOWEST DAILY MEAN	4.5	Aug 13	23	Feb 9	3.2	Sep 20 1964
ANNUAL SEVEN-DAY MINIMUM	5.0	Aug 5	25	Feb 5	3.4	Sep 19 1964
INSTANTANEOUS PEAK FLOW			1960	Jun 26	4060	Dec 21 1973
INSTANTANEOUS PEAK STAGE			4.67	Jun 26	6.35	Mar 13 1977
INSTANTANEOUS LOW FLOW			24	Feb 6	3.1	Sep 20 1964
ANNUAL RUNOFF (CFSM)	2.01		2.84		1.94	
ANNUAL RUNOFF (INCHES)	27.31		38.61		26.42	
10 PERCENT EXCEEDS	179		228		186	
50 PERCENT EXCEEDS	61		92		49	
90 PERCENT EXCEEDS	9.6		37		11	

e Estimated



01334000 WALLOOMSAC RIVER NEAR NORTH BENNINGTON, VT

LOCATION.--Lat 42°54'47", long 73°15'25", Bennington County, Hydrologic Unit 02020003, on left bank, 0.6 mi downstream from Paran Creek and 1.4 mi south of North Bennington.
DRAINAGE AREA.--111 mi^2.
PERIOD OF RECORD.--Discharge records: June 1931 to current year.
Water-quality records: Water years 1953-54.
REVISED RECORDS.--WSP 781: 1933(M).
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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0845	2,210	5.86	July 17	0115	* 3,110	* 6.95

Minimum discharge, 76 ft^3/s, July 14, 15.

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	426	195	259	e108	e125	493	316	264	183	209	160	116
2	279	191	230	e110	e120	432	320	260	301	169	140	168
3	234	465	225	e135	e120	353	452	238	371	155	223	291
4	267	300	271	e340	e115	303	820	220	238	165	418	183
5	266	246	287	532	e110	278	719	289	206	142	207	148
6	232	221	272	246	e105	251	459	318	360	121	160	127
7	202	205	299	216	e102	236	390	261	1080	113	221	115
8	184	192	254	191	e98	250	352	226	464	108	355	109
9	295	183	227	178	e94	362	529	212	365	106	248	103
10	272	199	230	207	e90	775	457	388	319	137	423	100
11	298	322	263	340	e94	500	401	664	292	107	614	91
12	245	238	221	254	e90	681	387	404	512	91	1120	101
13	216	215	205	e195	e87	477	345	397	377	83	506	258
14	224	206	198	e170	e180	373	348	478	440	79	494	152
15	215	213	200	e160	e225	357	448	347	341	95	535	207
16	197	190	198	e150	168	417	501	298	284	1080	591	182
17	182	173	193	e142	e125	845	389	265	285	1270	433	132
18	173	162	170	e136	e110	494	354	352	303	398	335	110
19	158	156	147	e130	e110	401	322	513	275	279	286	100
20	201	160	150	e125	109	363	297	410	230	221	246	143
21	214	196	272	e125	104	341	363	335	202	197	216	124
22	184	174	209	e122	103	337	526	312	245	216	195	106
23	747	163	166	e122	112	349	403	287	242	170	239	131
24	536	157	143	e120	161	376	350	451	189	151	358	436
25	366	164	e122	e125	345	384	312	440	180	135	233	254
26	304	210	e118	e132	370	510	296	370	300	123	190	175
27	270	1150	e115	e130	550	413	348	304	261	150	169	148
28	247	526	e110	e125	1560	696	364	272	223	143	154	132
29	230	361	e108	e122	754	626	336	247	188	129	140	120
30	216	303	e108	e120	---	433	295	221	313	148	130	115
31	206	---	e108	e128	---	353	---	201	---	179	123	---
TOTAL	8286	7836	6078	5436	6436	13459	12199	10244	9569	6869	9862	4677
MEAN	267	261	196	175	222	434	407	330	319	222	318	156
MAX	747	1150	299	532	1560	845	820	664	1080	1270	1120	436
MIN	158	156	108	108	87	236	295	201	180	79	123	91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2000, BY WATER YEAR (WY)

MEAN	151	210	213	198	182	323	533	324	179	124	106	117
MAX	418	412	471	425	575	958	1008	742	436	311	481	585
(WY)	1976	1960	1974	1937	1981	1936	1969	1943	1998	1935	1976	1938
MIN	30.9	39.6	94.6	61.6	54.2	68.0	215	116	53.1	39.8	41.2	25.6
(WY)	1965	1965	1948	1965	1980	1965	1946	1987	1964	1964	1964	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931 - 2000	
ANNUAL TOTAL	82745		100951			
ANNUAL MEAN	227		276		222	
HIGHEST ANNUAL MEAN					362	1976
LOWEST ANNUAL MEAN					98.9	1965
HIGHEST DAILY MEAN	2010	Jan 24	1560	Feb 28	6350	Dec 31 1948
LOWEST DAILY MEAN	38	Aug 13	79	Jul 14	a 21	Sep 22 1964
ANNUAL SEVEN-DAY MINIMUM	42	Aug 1	94	Feb 7	22	Sep 20 1964
INSTANTANEOUS PEAK FLOW			3110	Jul 17	b 8450	Sep 21 1938
INSTANTANEOUS PEAK STAGE			6.95	Jul 17	12.04	Sep 21 1938
INSTANTANEOUS LOW FLOW			c 76	Jul 14	4.0	Sep 27 1932
10 PERCENT EXCEEDS	445		469		458	
50 PERCENT EXCEEDS	190		226		143	
90 PERCENT EXCEEDS	55		113		57	

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

01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY

LOCATION.--Lat 42°56'19", long 73°22'39", Rensselaer County, Hydrologic Unit 02020003, on right bank 0.5 mi upstream from Case Brook, 1.2 mi downstream from Walloomsac River, and 1.2 mi southeast of Eagle Bridge.
DRAINAGE AREA.--510 mi^2.
PERIOD OF RECORD.--August 1910 to March 1922, July 1923 to current year.
REVISED RECORDS.--WSP 741: Drainage area. WSP 756: 1913(m). WSP 1302: 1922(M). WSP 1432: 1913 (minimum gage height). WSP 1502: 1911-12, 1914, 1920-21, 1928(M), 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 fair 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 ft^3/s, Dec. 31, 1948, gage height, 21.15 ft, from floodmark in gage house, from rating curve extended above 30,000 ft^3/s on basis of peak flow over downstream dams and contracted-opening measurements at gage heights 17.8 ft and 21.15 ft; minimum discharge, 24 ft^3/s, Sept. 14, 1913.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	1300	7,580	9.42	June 7	0900	9,280	10.38
Feb. 28	1145	*10,100	*10.79				

Minimum discharge, 253 ft^3/s, Sept. 12, gage height, 2.65 ft.

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	1950	801	1470	e480	e760	3130	1410	1300	843	1220	755	464
2	1140	751	1270	e475	e680	2680	1330	1240	909	1050	611	526
3	897	1910	1200	569	e660	2150	1580	1140	1450	900	682	1230
4	1040	1420	1290	1050	e720	1780	2980	1040	927	1080	2380	844
5	1370	1080	1340	2080	e640	1600	3070	1110	790	903	1180	679
6	1050	958	1260	1050	e640	1430	2140	1170	1430	746	841	577
7	871	858	1400	934	e560	1310	1850	1040	7620	659	915	499
8	760	785	1210	833	e500	1370	1650	918	3800	583	1190	432
9	1010	734	1080	756	e540	1580	2210	871	2510	541	851	410
10	1120	728	1040	795	e600	3340	2230	1300	2000	614	1790	403
11	1270	1170	1190	1720	e560	2540	2040	3280	1620	544	1640	384
12	1060	896	1030	1300	e480	3880	1980	1880	3350	455	5790	364
13	889	797	944	1030	e560	3020	1800	1690	2300	415	3520	1100
14	963	742	914	704	e1400	2310	1740	2040	2660	384	2570	817
15	1070	751	953	679	e2200	2170	1880	1500	2140	379	3000	842
16	886	691	930	863	e1200	2170	2040	1270	1760	2580	2940	980
17	798	626	926	733	e980	4150	1730	1120	1640	3510	2250	662
18	741	577	821	e1100	e800	2850	1670	1150	1720	1450	1720	545
19	678	551	691	e1300	e780	2350	1520	2290	1620	1080	1450	482
20	730	540	689	e1300	e740	2090	1380	1830	1350	851	1210	595
21	920	609	1300	e1000	e680	1880	1480	1480	1140	702	1040	571
22	760	577	1130	e880	e680	1750	2500	1400	1260	740	921	461
23	2710	541	871	e840	e880	1680	2040	1280	1580	613	877	426
24	2800	518	754	e1100	e1400	1670	1750	2040	1110	552	1540	1050
25	1900	519	549	e1300	e2000	1630	1560	2540	970	488	1060	887
26	1540	625	631	e1200	2490	1890	1420	2130	4900	441	834	654
27	1320	4860	646	e1000	3530	1660	1690	1640	2940	535	733	560
28	1150	3240	538	e800	8100	2130	1820	1390	2170	677	664	491
29	1040	2150	e520	e740	4730	2520	1660	1230	1600	507	578	436
30	942	1760	e500	e840	---	1920	1450	1100	1530	527	530	412
31	866	---	e490	e860	---	1590	---	957	---	729	495	---
TOTAL	36241	32765	29577	30311	40490	68220	55600	46366	61639	26455	46557	18783
MEAN	1169	1092	954	978	1396	2201	1853	1496	2055	853	1502	626
MAX	2800	4860	1470	2080	8100	4150	3070	3280	7620	3510	5790	1230
MIN	678	518	490	475	480	1310	1330	871	790	379	495	364
CFSM	2.29	2.14	1.87	1.92	2.74	4.31	3.63	2.93	4.03	1.67	2.94	1.23
IN.	2.64	2.39	2.16	2.21	2.95	4.98	4.06	3.38	4.50	1.93	3.40	1.37

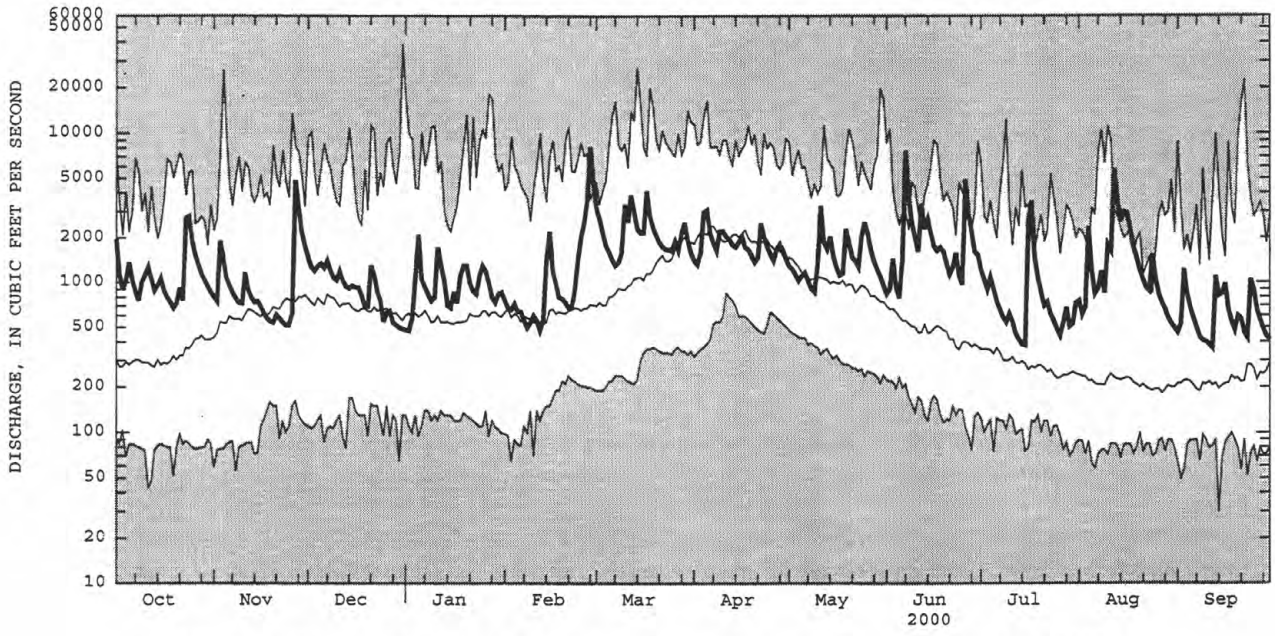
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2000, BY WATER YEAR (WY)

MEAN	529	890	980	962	931	1691	2312	1290	702	438	354	392
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1910 - 2000	
ANNUAL TOTAL	373666		493004			
ANNUAL MEAN	1024		1347		955	
HIGHEST ANNUAL MEAN					1611	1976
LOWEST ANNUAL MEAN					378	1965
HIGHEST DAILY MEAN	8780	Jan 24	8100	Feb 28	39000	Dec 31 1948
LOWEST DAILY MEAN	81	Aug 13	364	Sep 12	30	Sep 14 1913
ANNUAL SEVEN-DAY MINIMUM	91	Aug 7	438	Sep 6	77	Oct 7 1964
ANNUAL RUNOFF (CFSM)	2.01		2.64		1.87	
ANNUAL RUNOFF (INCHES)	27.26		35.96		25.45	
10 PERCENT EXCEEDS	2050		2410		2130	
50 PERCENT EXCEEDS	812		1080		567	
90 PERCENT EXCEEDS	160		540		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.

01335754 HUDSON RIVER ABOVE LOCK 1 NEAR WATERFORD, NY

LOCATION.--Lat 42°49'45", long 73°40'00", Saratoga County, Hydrologic Unit 02020003, 0.4 mi upstream from dam at Lock 1c, 2.8 mi northeast of Waterford, and 3.4 mi downstream from dam at Lock 2c Champlain (Barge) Canal.
DRAINAGE AREA.--4,605 mi^2.
PERIOD OF RECORD.--October 1976 to current year. 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. 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, 71,800 ft^3/s, Mar. 15, 1977; maximum gage height, 36.38 ft, May 30, 31, 1984; minimum daily discharge, 1,170 ft^3/s, July 25, 1983; minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36,000 ft^3/s, Feb. 28, gage height, 27.70 ft; maximum gage height, 32.75 ft, June 7; minimum daily discharge, 3,990 ft^3/s, Sept. 30; minimum instantaneous discharge not determined.

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	7040	5300	9010	4050	e7800	24200	14700	e12500	e11000	5510	e11000	4680
2	6050	5880	7340	4130	e6500	19700	12600	e12000	e11000	5600	e12000	4380
3	5290	6290	6580	4260	e6300	16000	11600	e13000	e10500	5430	e9800	5490
4	5420	7020	6500	7290	e6300	13200	18400	e12800	e9800	5870	e11500	6140
5	5340	6400	6880	16200	e6200	12300	30100	e11500	e8900	5770	e8800	5730
6	5880	6060	6400	14600	e6300	10800	28100	e12000	e8400	5100	e8600	5030
7	6130	5900	6410	10400	e6000	10300	23400	e12500	e17000	5010	e9000	5150
8	5190	5580	6320	9670	e6000	10100	19200	e12600	e15000	4820	e9000	5050
9	4680	4920	5560	8320	e5800	10800	18400	e12700	e12000	4610	e6500	4690
10	5240	5370	6020	7530	5390	15300	22700	e13000	e11500	4940	e8000	4690
11	5270	5560	5410	10200	5210	19500	23600	e23000	e11000	6880	e8700	4780
12	5300	5320	5500	10200	6080	23400	21100	e26000	e12500	8230	e14000	4590
13	4790	5350	5230	8410	5420	22600	e20500	e25000	e11000	6300	e13000	4790
14	4950	5190	4780	7010	5280	17200	e15200	e31000	e12500	5250	e9000	6050
15	5790	5100	5080	6980	6000	15200	e15300	e29000	e12000	4800	e11000	6420
16	5810	4800	5980	6320	6710	13500	e17000	e28000	e11500	e12000	e9000	6120
17	5470	e4900	4790	8950	6410	15400	e20000	e26000	e11800	e16000	e9500	5690
18	5360	4710	5030	9170	6410	14100	e19000	e25000	e11500	e13000	e10000	5230
19	5060	4930	5010	8460	5670	12300	e20000	e26000	e10000	e9400	e8800	4700
20	5520	4230	4440	8130	5510	11700	e21000	e23000	e8500	e7800	e8400	5270
21	5140	4660	4440	7580	5540	10600	e22000	e21000	7470	7750	e7800	e5400
22	4590	5030	6380	e8800	5310	10200	e25000	e20000	7310	7710	e7300	e4500
23	e7600	4750	5850	e8500	5230	10000	e32000	e13000	8300	7040	e6600	4250
24	e9000	e4800	5400	e8400	5450	10400	e30000	e15000	7280	6560	7320	4500
25	e7800	4560	4580	e8500	7190	10500	e28000	e20000	6300	6400	7740	4910
26	e7900	4780	4270	e9000	11500	11500	e25000	e21000	9230	5510	6640	5020
27	e6900	9530	4560	e8800	16900	12900	e23000	e19000	9000	5890	6250	4400
28	e6400	15000	4410	e8100	32600	13200	e20000	e16000	7650	5810	6000	4380
29	6230	11800	4200	e7500	31800	25100	e18000	e14000	5990	5200	5600	4720
30	5530	9950	4090	e7200	---	24800	e14000	e13000	5710	e4700	e4900	3990
31	5860	---	4020	e7800	---	19300	---	e12000	---	e5700	e5000	---
TOTAL	182530	183670	170470	260460	242810	466100	628900	570600	301640	210590	266750	150740
MEAN	5888	6122	5499	8402	8373	15040	20960	18410	10050	6793	8605	5025
MAX	9000	15000	9010	16200	32600	25100	32000	31000	17000	16000	14000	6420
MIN	4590	4230	4020	4050	5210	10000	11600	11500	5710	4610	4900	3990

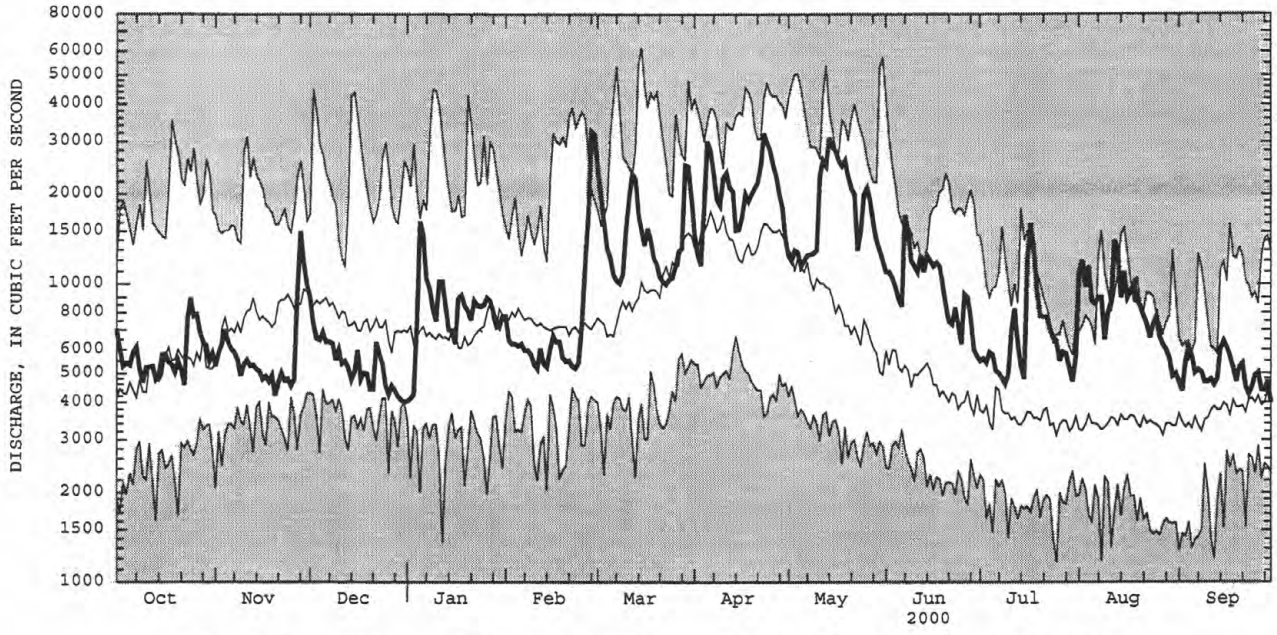
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2000, BY WATER YEAR (WY)

MEAN	6523	8504	8640	8541	8399	11760	16340	11440	6228	4148	4033	4237
MAX	16560	14490	18960	15880	16250	20240	29480	24610	12330	7855	8605	7009
(WY)	1978	1996	1997	1978	1981	1979	1993	1996	1998	1996	2000	1987
MIN	3054	4188	4085	3157	3973	5845	5508	3635	2718	2291	2426	2654
(WY)	1981	1979	1999	1981	1980	1989	1995	1995	1988	1995	1999	1980

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1977 - 2000	
ANNUAL TOTAL	2376350		3635260			
ANNUAL MEAN	6511		9932		8225	
HIGHEST ANNUAL MEAN					11050	1996
LOWEST ANNUAL MEAN					5334	1995
HIGHEST DAILY MEAN	31500	Jan 25	32600	Feb 28	62000	Mar 15 1977
LOWEST DAILY MEAN	2000	Jul 16	3990	Sep 30	1170	Jul 25 1983
ANNUAL SEVEN-DAY MINIMUM	2220	Aug 3	4170	Dec 28	1520	Aug 23 1995
10 PERCENT EXCEEDS	12200		20000		16000	
50 PERCENT EXCEEDS	5290		7400		6120	
90 PERCENT EXCEEDS	2450		4780		3070	

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.

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 mi^2.
PERIOD OF RECORD.--December 1998 to current year.
ORGANIC DATA: OC--1999-2000 (e)
SEDIMENT DATA: 1999-2000 (e).
INSTRUMENTATION.--Point-sample intake for automatic sampler located approximately 40 ft from left bank and 6 in. above the river bottom.
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. Particulate-organic-carbon samples collected between March 1, 1999, and January 11, 2000, were filtered using a 1-micron glass-fiber filter; samples collected after January 11, 2000, were filtered using a 0.7-micron glass-fiber filter.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
DEC							
01...	1503	4370	--	--	2	88	50
03...	1514	4290	--	--	1	75	50
05...	1618	4400	--	--	2	77	50
07...	1706	3570	--	--	2	84	50
10...	1152	4110	--	--	1	86	50
12...	1240	3960	--	--	1	80	50
14...	1328	2330	--	--	1	78	50
MAR							
04...	0250	9620	3.6	>2.0	7	62	50
04...	0730	9980	3.7	1.4	69	88	50
04...	0830	9710	3.6	1.7	63	95	50
04...	1630	17000	3.4	1.4	45	95	50
04...	1750	18100	3.2	1.5	51	95	50
05...	0630	17000	3.4	>2.0	85	96	50
06...	1130	11100	3.4	.8	23	92	50
12...	1415	7590	3.0	.3	3	92	50
13...	1140	7740	3.7	.3	2	89	50
20...	1140	8180	3.6	.5	16	90	50
22...	0900	10400	3.4	3.1	206	94	50
22...	0910	10300	3.4	3.3	170	94	50
22...	1150	11100	3.6	3.5	239	97	50
22...	1210	11000	3.5	4.4	219	96	50
22...	1510	11600	3.5	2.0	105	90	50
22...	2350	18700	3.5	2.0	66	89	50
23...	1010	21000	3.6	1.3	96	91	50
23...	1300	19500	3.8	2.3	88	95	50
24...	1150	16600	3.6	1.1	44	94	50
25...	1200	14000	3.3	.6	14	93	50
28...	1200	12100	3.6	.4	9	93	50
31...	1200	14100	3.2	.4	11	98	50
APR							
01...	0410	12400	3.3	.5	9	89	50
01...	0730	12900	3.4	.5	8	83	50
02...	1110	15400	3.2	.5	10	82	50
02...	2210	18100	3.1	.6	14	72	50
03...	0510	18700	3.2	.8	16	83	50
03...	1450	19000	3.3	.7	15	86	50
04...	0420	19400	3.3	1.0	18	85	50
04...	1135	19200	3.3	.9	17	81	50
04...	1500	19200	3.4	.9	17	80	50
04...	1830	19900	3.4	1.0	17	84	50
04...	2240	21000	3.3	--	22	79	50
05...	1110	23200	3.4	1.3	27	85	50
05...	1300	23200	3.4	1.5	29	79	50
05...	1610	23700	3.3	.9	36	72	50
06...	0650	21300	2.9	2.4	23	82	50
07...	0640	20100	3.3	1.8	15	74	50
08...	1620	20800	3.5	1.3	14	70	50
09...	0830	20800	3.4	.9	14	74	50
09...	2140	21400	3.4	>2.5	14	61	50
10...	0820	20800	3.4	.7	12	79	50
10...	2110	19600	3.6	.8	10	75	50
11...	0920	17400	3.5	.6	6	73	50
11...	2130	16200	3.6	.6	6	82	50
12...	0020	15800	3.5	.6	5	76	50
12...	1520	13800	3.5	.8	5	92	50
13...	1435	e11000	3.6	.5	4	74	50
14...	1155	e10500	3.6	.6	7	72	50
19...	1345	e10100	3.6	.4	4	77	50
22...	0825	e9000	3.7	.3	6	73	50
28...	2020	e5200	3.8	.5	11	88	50
MAY							
03...	1210	e4100	4.1	.5	20	81	50
10...	0100	e5200	4.0	.8	40	81	50
17...	0100	e3500	3.8	.5	13	68	50
19...	1750	e3900	4.2	.6	29	84	50
20...	1040	e10800	3.9	.7	28	78	50
20...	1120	e10800	4.0	.7	26	74	50
21...	1840	e8000	4.7	.8	31	77	50
24...	0810	e5000	4.1	.5	18	90	50
25...	1540	e5100	3.6	.6	22	83	50
28...	0850	e5600	3.4	.6	24	87	50

e Estimated daily.

01335764 HUDSON RIVER BELOW LOCK 1 AT PLEASANTDALE, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
JUN							
03...	1210	e4000	3.5	.5	23	73	50
10...	1210	2800	4.5	.8	20	74	50
17...	1250	4840	4.2	.7	16	71	50
24...	1250	5060	4.4	1.1	22	60	50
24...	1320	4630	4.4	1.3	17	60	50
JUL							
01...	1250	3100	4.1	--	13	66	50
04...	1940	9690	4.6	1.6	109	91	50
09...	1100	3280	4.4	.5	--	--	50
09...	1135	3170	--	--	35	68	50
16...	1110	e2000	4.4	1.4	24	76	50
18...	2110	2320	4.3	.7	12	74	50
21...	1200	3310	4.2	.8	19	89	50
21...	1400	3170	4.2	.9	17	85	50
21...	1600	3030	4.3	--	8	65	50
21...	1800	2290	4.3	.8	8	87	50
21...	2000	2050	4.2	.8	10	51	50
21...	2200	1880	4.4	.6	7	77	50
21...	2335	1750	4.6	1.1	2	83	50
22...	0200	1860	4.7	.6	4	75	50
22...	0400	2570	4.8	.6	4	93	50
22...	0600	2600	4.5	.6	5	42	50
22...	0800	2660	--	--	6	76	50
22...	1120	2410	4.6	.8	10	92	50
22...	1200	2320	4.8	.8	15	83	50
22...	1400	2470	--	--	12	54	50
22...	1600	2260	4.4	.8	4	83	50
22...	1800	2470	4.4	.8	4	81	50
22...	2000	2440	4.4	.7	7	85	50
22...	2200	2630	4.5	1.4	10	85	50
22...	2355	2440	4.5	E1.0	7	86	50
23...	0200	2660	4.7	.7	6	73	50
23...	0400	2470	5.0	.6	5	68	50
23...	0600	2600	4.8	.5	5	85	50
23...	0800	2500	4.6	.8	7	63	50
23...	1020	2570	4.3	.6	8	73	50
30...	1250	2440	4.4	.8	10	76	50
AUG							
06...	1510	1490	4.7	.9	10	61	50
10...	0915	2230	4.4	.4	4	92	50
17...	1130	2630	3.5	1.1	8	81	50
24...	1110	1830	4.5	1.6	13	77	50
31...	1250	2260	4.3	.6	6	87	50
SEP							
07...	1215	2380	4.3	--	4	88	50
14...	1345	2410	4.2	.6	9	92	50
17...	0700	10400	4.2	--	120	96	50
17...	0740	11900	4.2	1.9	91	95	50
17...	0800	12000	4.2	1.7	117	97	50
17...	0850	14200	4.6	2.0	127	88	50
17...	1040	17700	4.1	2.2	100	84	50
17...	1200	18400	4.2	2.0	84	89	50
17...	1310	e16000	4.1	1.9	127	91	50
17...	1410	e16000	3.8	2.0	138	61	50
18...	1130	e12400	5.0	3.9	73	84	50
20...	0825	7330	5.5	.8	14	76	50
20...	2100	7490	5.0	.6	14	98	50
21...	0500	6190	4.8	.7	6	95	50
21...	0840	4420	4.8	.5	8	93	50
21...	1310	6530	4.7	.5	6	98	50
21...	1640	5140	4.1	--	12	97	50
22...	0040	6050	4.1	.3	8	96	50
22...	0840	5360	4.1	.4	12	92	50
22...	1640	7080	4.1	.4	29	93	50
23...	0120	9630	4.1	.5	14	91	50
23...	0920	10400	4.0	.5	12	87	50
23...	1720	9460	4.1	.7	11	88	50
24...	0120	9340	4.1	.6	11	92	50
24...	0920	9520	4.2	.6	14	42	50
24...	1630	4630	4.4	.5	12	80	50
24...	2020	7540	4.6	.2	10	86	50
25...	0420	9000	4.8	.2	10	93	50
25...	1220	7180	5.2	.5	8	96	50
25...	2020	6980	5.5	.5	12	98	50
26...	0420	7130	5.6	.4	9	97	50
26...	1220	6150	5.7	--	11	91	50
26...	2020	5680	5.7	.4	11	52	50
27...	0420	5730	6.2	.4	8	90	50
27...	1000	4840	5.7	.4	8	83	50
27...	1800	4800	5.7	.4	8	88	50
28...	0200	4930	5.6	.4	7	94	50
28...	1000	4340	5.4	.4	10	86	50
29...	1000	4710	4.9	.4	7	81	50
30...	1000	4260	4.5	.4	13	79	50

e Estimated daily.
E Estimated.

01335764 HUDSON RIVER BELOW LOCK 1 AT PLEASANTDALE, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
OCT							
01...	1610	10200	4.5	.6	11	90	50
09...	0225	4880	4.7	.3	7	89	50
15...	1425	5230	4.5	.3	5	78	50
19...	1125	5010	4.3	.3	5	88	50
26...	2050	e7900	4.5	.3	7	96	50
NOV							
02...	0940	6000	3.9	.2	5	78	50
09...	0920	5060	3.9	.3	25	52	50
16...	0850	4840	3.8	.3	1	80	50
23...	0945	4710	3.6	.3	3	71	50
27...	2235	16600	3.2	1.8	57	82	50
28...	1910	12900	4.6	.6	31	96	50
29...	0935	12200	4.7	.9	23	85	50
30...	0925	10500	3.9	.6	9	96	50
DEC							
07...	1205	6330	4.2	.3	3	91	50
14...	1155	4110	3.7	.3	1	90	50
21...	0905	3910	3.6	.3	2	83	50
28...	0855	4420	3.8	.2	1	80	50
JAN							
04...	1135	6360	4.8	.4	16	98	50
04...	2240	11200	4.2	1.1	56	96	50
05...	0030	12200	4.0	1.1	42	85	50
05...	0140	13100	4.0	1.1	32	88	50
05...	0630	15200	4.1	1.2	38	90	50
05...	1200	16900	4.2	1.7	51	90	50
05...	2320	18100	4.7	2.4	69	87	50
06...	0900	15300	4.5	2.3	51	85	50
07...	1050	10600	4.0	.8	11	86	50
10...	1500	7290	4.3	.6	4	86	50
11...	0425	9710	4.2	.8	19	92	50
11...	1445	10800	4.2	1.0	20	96	50
11...	1830	10800	4.4	1.2	34	97	50
12...	0620	11100	4.1	.9	23	94	50
13...	0950	8590	4.3	.9	19	91	50
17...	1200	10300	4.0	.5	8	91	50
18...	1230	9570	3.8	.7	15	94	50
22...	1050	e8800	3.8	.6	10	75	50
23...	1110	e8500	3.6	1.1	28	85	50
24...	1000	e8400	3.6	.5	7	76	50
27...	1310	e8800	--	--	5	78	50
27...	1610	e8800	--	--	28	69	50
28...	2300	e8100	--	--	44	60	50
FEB							
01...	1335	e7800	3.5	.4	7	61	50
01...	1650	e7800	--	--	5	82	50
02...	1310	e6500	--	--	8	85	50
03...	1030	e6300	--	--	4	86	50
03...	1250	e6300	--	--	9	86	50
08...	1055	e6000	3.9	.4	4	86	50
12...	0820	7000	--	--	2	75	50
15...	1000	4920	4.2	--	3	75	50
22...	1345	4980	3.7	.3	2	75	50
23...	1650	5550	--	--	40	93	50
25...	1440	8220	4.6	1.4	52	96	50
25...	1900	7900	5.2	.9	44	97	50
26...	0450	10700	4.8	1.2	47	94	50
26...	1250	12000	4.5	1.6	53	91	50
26...	1330	11600	4.5	1.5	51	92	50
26...	2130	14100	4.6	1.6	64	95	50
26...	2240	13600	4.6	1.7	40	94	50
27...	0640	14100	4.6	1.8	32	85	50
27...	1100	14700	4.4	2.1	41	87	50
*27...	1101	14700	4.3	2.0	--	--	50
27...	1440	16900	4.1	3.3	129	95	50
27...	1610	17400	4.8	4.0	179	95	50
27...	1930	20900	4.4	3.3	161	94	50
*27...	1931	20900	4.5	3.7	--	--	50
28...	0030	26600	4.2	4.4	153	89	50
28...	0230	29400	4.3	4.4	208	84	50
28...	0750	31200	4.3	5.3	273	86	50
28...	1000	32400	4.1	5.9	283	79	50
28...	1340	33300	4.1	5.6	266	80	50
28...	1420	33400	--	--	269	83	50
28...	1540	34200	4.0	5.7	283	81	50
28...	1650	35700	4.1	7.5	266	84	50
28...	1810	35700	3.8	6.4	303	82	50
29...	0210	34400	4.1	7.4	286	81	50
29...	0840	32500	3.9	4.6	163	85	50
29...	1300	31300	3.8	3.7	131	81	50
29...	1655	30600	3.9	3.6	110	91	50
29...	2300	28600	3.7	1.6	86	90	50

e Estimated daily.
* Replicate.

01335764 HUDSON RIVER BELOW LOCK 1 AT PLEASANTDALE, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
MAR							
01...	0510	26600	3.7	2.2	63	89	50
02...	1130	20200	3.3	1.1	26	90	50
02...	1440	19400	3.5	1.1	24	90	50
02...	2240	17300	3.3	1.0	22	89	50
03...	0640	17200	3.2	.8	20	90	50
04...	1630	12900	--	--	12	83	50
07...	1025	10300	3.6	.5	8	89	50
14...	1150	17000	3.7	.9	20	89	50
21...	1140	10400	3.2	.5	8	88	50
28...	1020	12900	3.3	.5	10	69	50
29...	0950	27000	--	--	29	76	50
29...	1120	27000	3.1	.9	34	70	50
29...	1440	27800	3.2	.9	45	85	50
29...	1615	27300	3.5	2.2	48	77	50
29...	1655	27600	3.4	2.2	54	74	50
30...	0055	26700	3.4	>2.5	54	72	50
30...	0545	25700	3.5	2.7	43	76	50
30...	1345	24400	3.7	2.3	30	81	50
30...	2145	24500	4.0	1.9	27	70	50
31...	0055	22000	4.0	1.9	24	77	50
31...	0855	20400	4.3	1.2	13	76	50
31...	2225	16900	4.3	1.0	9	72	50
APR							
01...	0615	15100	4.3	.8	7	92	50
04...	0825	14300	3.8	.8	20	94	50
04...	1110	16800	3.8	.5	74	97	50
04...	1440	20800	3.7	1.5	110	98	50
05...	1050	30800	--	--	180	91	50
05...	1130	30700	4.4	4.0	106	93	50
05...	1630	30100	4.1	2.6	144	95	50
05...	1930	29900	4.0	2.3	67	89	50
06...	0330	29000	4.0	1.8	60	78	50
06...	0700	28700	4.0	1.9	32	65	50
06...	1310	28500	4.2	1.7	43	78	50
06...	1910	26500	4.2	1.4	32	68	50
07...	0310	25300	4.4	1.2	21	76	50
09...	2330	20800	3.7	.9	14	68	50
10...	0710	22500	3.6	.7	14	81	50
10...	2035	24000	3.6	.7	22	82	50
11...	1005	24400	3.6	.7	17	85	50
11...	1150	24200	--	.7	18	83	50
13...	0935	e20500	4.0	.5	8	82	50
13...	1245	e20500	3.9	1.1	32	78	50
14...	0845	e15200	3.8	.5	10	80	50
15...	0355	e15300	3.7	.5	8	80	50
16...	1155	e17000	3.5	.6	9	77	50
17...	1025	e20000	3.3	.6	12	74	50
18...	1430	e19000	3.4	.7	9	75	50
22...	1015	e25000	3.6	.6	21	83	50
22...	1715	e25000	3.5	1.2	27	73	50
22...	2130	e25000	3.6	1.3	27	78	50
23...	0615	e32000	3.6	1.1	26	74	50
23...	1125	e32000	3.7	1.4	37	58	50
23...	1750	e32000	3.7	1.6	38	69	50
*23...	1751	e32000	3.7	1.6	--	--	50
23...	2220	e32000	3.7	1.8	44	70	50
24...	0825	e30000	4.0	1.9	38	72	50
25...	1410	e28000	4.3	1.0	18	63	50
26...	1415	e25000	3.9	.9	9	86	50
MAY							
16...	1620	e28000	--	--	21	86	50
31...	1045	e12000	3.8	.7	11	95	50
JUN							
06...	1225	e8400	3.9	.8	23	97	50
07...	1500	e17000	4.4	4.2	196	96	50
09...	1200	e12000	--	--	33	92	50
13...	0930	e11000	3.9	1.1	40	95	50
20...	1430	e8500	--	1.1	33	97	50
27...	1025	8780	4.2	--	157	99	50
JUL							
03...	0955	3950	4.3	.5	11	93	50
14...	1155	4930	3.7	.5	12	81	50
18...	1530	e13000	5.8	1.5	42	93	50
26...	0910	5230	4.8	.3	6	96	50
AUG							
01...	1410	8120	4.0	.4	8	88	50
29...	2230	5360	5.2	.3	7	--	50
30...	0230	5230	6.1	.3	4	--	50
30...	0630	5230	5.2	.3	4	--	50
*30...	0631	5230	5.2	.3	--	--	50
30...	2205	4880	5.1	.3	5	--	50
31...	0205	4760	5.4	.3	5	--	50
31...	0605	4970	4.9	.2	4	--	50

e Estimated daily.
* Replicate.

01335770 HUDSON RIVER AT WATERFORD, NY

LOCATION.--Lat 42°47'19", long 73°40'28", at Saratoga-Rensselaer County line, Hydrologic Unit 02020003, at bridge on U.S. Highway 4 in Waterford, 0.4 mi upstream from first branch of Mohawk River, and 2.8 mi downstream from dam at lock 1 of the Champlain (Barge) Canal.
DRAINAGE AREA.--4,620 mi^2.
PERIOD OF RECORD.--Water years 1970 to current year.
CHEMICAL DATA: 1970-71 (e), 1972-76 (d), 1978 (e), 1979 (d), 1980-82 (e), 1987 (b), 1988-89 (c), 1990-91 (b), 1992 (a), 1993 (c), 1994 (d), 1995 (c), 1996-97 (a).
MINOR ELEMENTS DATA: 1970-71 (e), 1972-76 (d), 1977-79 (e), 1980-81 (d), 1982 (a), 1983, 1987 (b), 1988-89 (c), 1990-91(b), 1992-93 (a).
PESTICIDE DATA: 1975 (b), 1976 (d), 1977-79 (e), 1982, 1993-94, 1996 (a).
ORGANIC DATA: OC--1974 (c), 1975 (d), 1976 (c), 1978-79 (d), 1993 (c), 1994 (d), 1995 (c), 1996 (a), 1997 (b).
PCB--1975 (b), 1976 (d), 1977-84 (e), 1985 (c), 1986-87 (e), 1988 (d), 1989 (e), 1991 (d), 1992-94 (e), 1995 (d), 1996-2000 (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), 1976-2000 (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 1977-2000).--
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, 238 mg/L, June 7; minimum daily mean, <1 mg/L, Sept. 28.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 16,700 tons, Feb. 28; minimum daily, 11 tons, Sept. 23, 30.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, 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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT							
28...	1525	E6400	<.030	<.010	<.010	4	E62
NOV							
08...	1550	6630	<.030	<.010	<.010	2	38
18...	1400	3790	<.010	<.010	<.010	2	25
23...	1250	4670	<.010	<.010	<.010	3	34
DEC							
15...	1340	4190	<.010	<.010	<.010	2	25
FEB							
29...	1330	31500	<.010	<.010	<.010	120	10200
MAR							
01...	1405	23200	<.010	<.010	<.010	40	2540
03...	1350	15900	<.010	<.010	<.010	16	708
15...	1300	15200	<.010	<.010	<.010	11	441
29...	1415	27300	<.010	<.010	<.010	43	3140
30...	1625	23800	<.010	<.010	<.010	29	1870
APR							
03...	1320	11500	<.010	<.010	<.010	4	110
05...	1334	30800	<.010	<.010	<.010	139	11600
05...	1336	30800	<.010	<.010	<.010	139	11600
06...	1228	29400	<.010	<.010	<.010	--	--
11...	1735	22500	<.010	<.010	<.010	14	832
12...	1700	21200	<.010	<.010	<.010	9.2	529
20...	1439	E21000	<.010	<.010	<.010	8.6	E490
23...	1337	E32000	<.010	<.010	<.010	37	E3170
25...	1405	E28000	<.010	<.010	<.010	15	E1130
MAY							
05...	1307	E11500	<.010	<.010	<.010	3.7	E113
12...	1441	E26000	<.010	<.010	<.010	32	E2260
13...	1225	E25000	<.010	<.010	<.010	17	E1120
16...	1312	E28000	<.010	<.010	<.010	20	E1500
26...	1345	E21000	<.010	<.010	<.010	17	E967
JUN							
09...	1215	E12000	<.010	<.010	<.010	22	E701
21...	1334	8010	<.010	<.010	<.010	11	231
JUL							
08...	1250	3420	<.010	<.010	<.010	6.2	58
AUG							
18...	1543	E10000	<.010	<.010	<.010	14	E381
SEP							
14...	1505	5500	<.020	<.010	<.010	3.5	52
27...	1415	5410	.020	<.010	<.010	4.3	64

E Estimated daily.
* Quality control sample, duplicate.

01335770 HUDSON RIVER AT WATERFORD, NY--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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	7	133	2	29	9	219	2	22	e2	e42	50	3270
2	6	98	2	32	5	99	2	22	e2	e35	26	1380
3	5	71	4	68	4	71	4	46	e2	e34	16	691
4	4	59	4	76	3	53	17	372	e2	e34	10	356
5	3	43	3	52	3	56	55	2430	e2	e33	8	266
6	3	48	3	49	3	52	44	1810	e2	e34	7	204
7	6	99	3	48	3	52	24	674	e2	e32	7	195
8	5	70	2	30	4	68	13	339	e2	e32	7	191
9	5	63	3	40	4	60	6	135	e2	e31	8	233
10	5	71	3	43	4	65	5	102	e2	e29	e25	e1120
11	5	71	6	90	5	73	e15	e413	e2	e28	e39	e2070
12	5	72	3	43	3	45	e20	e551	e2	e33	e53	e3300
13	8	103	2	29	2	28	e10	e227	e2	e29	56	3420
14	8	107	2	28	2	26	e5	e95	e2	e29	24	1110
15	6	94	1	14	2	27	e3	e57	e2	e32	14	575
16	4	63	1	13	2	32	e2	e34	e2	e36	10	364
17	4	59	3	e40	2	26	e2	e48	e2	e35	8	333
18	4	58	3	38	7	95	e2	e50	e2	e35	7	266
19	4	55	3	40	4	54	e2	e46	e2	e31	7	232
20	4	60	3	34	3	36	e2	e44	e2	e30	7	221
21	3	42	3	38	3	36	e2	e41	e2	e30	6	172
22	3	37	2	27	3	52	e2	e48	e2	e29	6	165
23	3	e62	3	38	2	32	e2	e46	e2	e28	6	162
24	13	e316	3	e39	2	29	e2	e45	2	29	5	140
25	12	e253	3	37	2	25	e2	e46	e5	e97	5	142
26	8	e171	6	77	2	23	e2	e49	e10	e310	5	155
27	5	e93	16	493	2	25	e2	e48	15	684	5	174
28	4	e69	34	1380	2	24	e2	e44	183	16700	5	178
29	3	50	22	690	2	23	e2	e40	140	12200	50	3590
30	2	30	14	376	2	22	e2	e39	---	---	48	3270
31	2	32	---	---	2	22	e2	e42	---	---	14	730

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	10	397	3	e101	6	e178	11	164	5	e148	1	13
2	6	204	3	e97	34	e1010	7	106	100	e3240	3	35
3	4	125	2	e70	11	e312	8	117	98	e2590	7	104
4	27	1840	3	e104	11	e291	8	127	46	e1430	4	66
5	161	13100	4	e124	10	e240	7	109	15	e356	4	62
6	47	3570	4	e130	50	e1130	4	55	8	e186	1	14
7	15	948	4	e135	238	e10900	4	54	9	e219	2	28
8	11	570	5	e170	88	e3560	5	65	7	e170	2	27
9	11	546	5	e171	27	e875	3	37	8	e140	3	38
10	11	674	6	e211	17	e528	5	67	5	e108	2	25
11	14	892	16	e994	15	e446	4	74	9	e211	2	26
12	12	684	31	e2180	19	e641	4	89	100	e3780	2	25
13	11	e609	17	e1150	21	e624	3	51	67	e2350	3	39
14	11	e451	39	e3260	19	e641	4	57	33	e802	4	65
15	6	e248	48	e3760	18	e583	20	319	29	e861	4	69
16	8	e367	23	e1740	13	e404	32	e1040	18	e437	4	66
17	9	e486	20	e1400	12	e382	50	e2160	28	e718	4	61
18	8	e410	16	e1080	11	e342	42	e1470	15	e405	2	28
19	7	e378	27	e1900	11	e297	17	e431	10	e238	1	13
20	9	e510	18	e1120	10	e230	10	e211	9	e204	1	14
21	11	e653	12	e680	11	222	7	146	8	e168	1	e15
22	17	e1150	8	e432	10	197	7	146	7	e138	2	e24
23	34	e2940	10	e351	10	224	8	152	7	e125	1	11
24	30	e2430	27	e1090	11	216	7	124	6	119	2	24
25	17	e1290	30	e1620	8	136	6	104	6	125	2	27
26	12	e810	17	e964	12	299	5	74	5	90	2	27
27	10	e621	12	e616	114	2790	4	64	4	68	3	36
28	7	e378	9	e389	41	847	4	63	4	65	<1	12
29	5	e243	8	e302	20	323	3	42	3	45	1	13
30	4	e151	7	e246	13	200	4	e51	2	e26	1	11
31	---	---	6	e194	---	---	4	e62	2	e27	---	---

e Estimated

01336000 MOHAWK RIVER BELOW DELTA DAM, NEAR ROME, NY

LOCATION.--Lat 43°15'52", long 75°26'12", Oneida County, Hydrologic Unit 02020004, on right bank at Rome Fish Hatchery, 1.0 mi downstream from Delta Dam, and 4.0 mi north of Rome.
DRAINAGE AREA.--152 mi^2.
PERIOD OF RECORD.--July 1921 to September 1927 (monthly discharges only, published in WSP 1302), October 1927 to current year.
REVISED RECORDS.--WDR NY-85-1: Drainage area.
GAGE.--Water-stage recorder. 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 ft^3). Small quantity of water diverted from Delta Reservoir for fish hatchery use and later returned to river, part upstream and part downstream from station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,560 ft^3/s, Oct. 2, 1945, gage height, 11.18 ft, from rating curve extended above 5,200 ft^3/s on basis of flow-over-dam measurement of peak flow; minimum discharge, 18 ft^3/s, July 21, 27, Oct. 24, 25, 1983, minimum gage height, 0.63 ft, Oct. 24, 25, 1983.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,550 ft^3/s, May 11, gage height, 7.37 ft; minimum, 142 ft^3/s, Sept. 28, gage height, 1.60 ft.

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

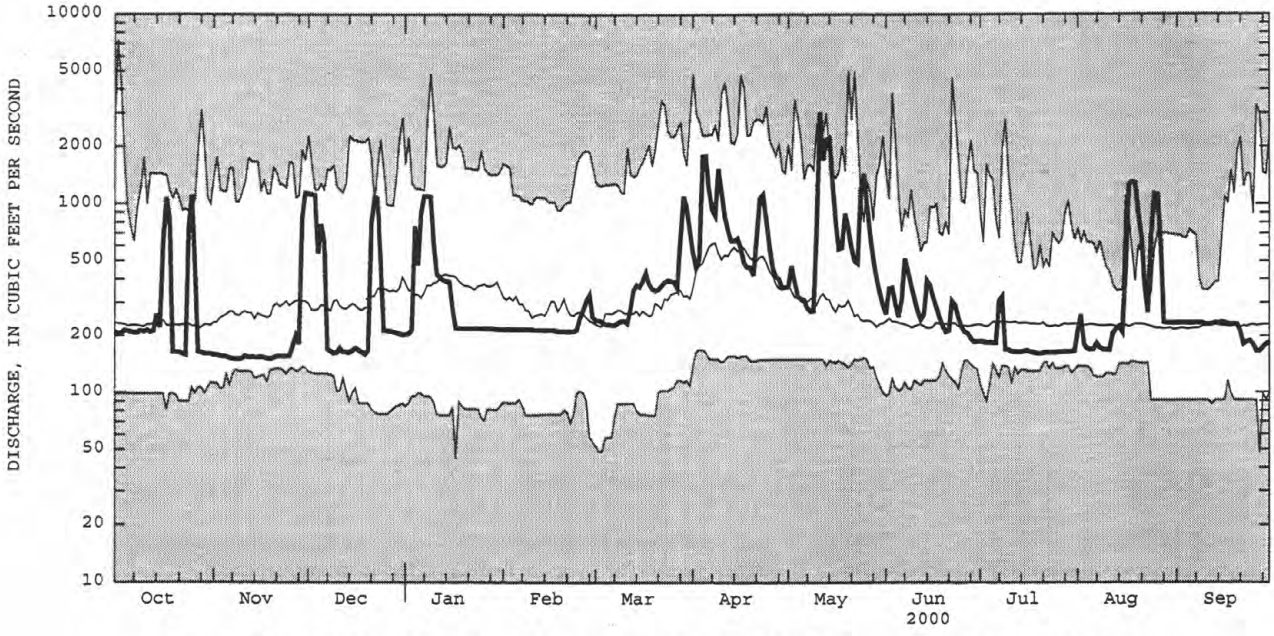
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	159	1130	204	217	244	554	366	262	187	213	234
2	206	159	1120	205	217	242	464	471	357	186	258	234
3	206	157	1110	215	217	238	514	391	361	184	180	234
4	214	156	548	762	217	232	1780	326	294	185	171	234
5	212	156	780	477	217	231	1790	315	252	183	169	234
6	210	153	634	907	217	229	1190	311	311	183	170	234
7	208	152	170	1100	217	229	938	282	512	306	182	234
8	208	151	166	1100	217	235	875	271	443	323	173	234
9	214	151	162	1090	217	240	1530	272	370	169	169	234
10	211	152	163	623	216	241	1160	773	318	169	169	231
11	215	157	172	428	215	234	866	3040	271	165	168	231
12	210	154	164	409	215	277	732	1700	244	164	205	231
13	212	155	164	397	215	349	644	2180	260	164	217	235
14	261	154	163	391	215	373	643	2220	392	164	224	232
15	222	154	167	390	215	365	660	1300	371	166	210	237
16	626	155	172	282	215	393	591	815	319	167	435	235
17	1080	154	168	221	215	432	493	579	283	164	1260	232
18	823	152	164	220	212	379	466	588	251	163	1310	231
19	165	151	160	219	212	358	464	893	226	161	1290	231
20	164	153	167	219	212	349	422	746	210	161	892	230
21	164	156	773	219	212	354	660	589	213	162	673	210
22	161	156	1080	219	212	370	1070	502	305	163	372	181
23	159	156	1070	219	212	387	1120	487	291	163	266	186
24	749	156	497	219	216	397	834	1190	249	163	681	188
25	1110	156	213	219	250	393	608	1430	223	163	1130	180
26	459	175	213	219	273	389	463	991	210	164	1120	166
27	166	199	212	219	307	361	417	692	206	164	628	166
28	164	181	210	219	330	661	401	513	194	164	236	173
29	161	846	208	219	252	1100	361	409	186	164	234	180
30	161	1140	206	217	---	955	363	341	187	165	234	185
31	161	---	203	217	---	719	---	293	---	166	234	---
TOTAL	9691	6406	12529	12264	6574	11956	23073	25276	8571	5515	13873	6477
MEAN	313	214	404	396	227	386	769	815	286	178	448	216
MAX	1110	1140	1130	1100	330	1100	1790	3040	512	323	1310	237
MIN	159	151	160	204	212	229	361	271	186	161	168	166

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2000, BY WATER YEAR (WY)

MEAN	304	360	403	473	383	438	665	385	272	251	236	248
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1928 - 2000	
ANNUAL TOTAL	109780		142205			
ANNUAL MEAN	301		389		368	
HIGHEST ANNUAL MEAN					601	1947
LOWEST ANNUAL MEAN					219	1965
HIGHEST DAILY MEAN	1590	Apr 7	3040	May 11	7270	Oct 2 1945
LOWEST DAILY MEAN	133	Jan 7	151	Nov 8	45	Jan 17 1931
ANNUAL SEVEN-DAY MINIMUM	133	Jan 7	153	Nov 6	55	Feb 28 1931
10 PERCENT EXCEEDS	640		892		726	
50 PERCENT EXCEEDS	207		231		251	
90 PERCENT EXCEEDS	156		163		167	

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.

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 mi^2.
PERIOD OF RECORD.--January 1907, April to December 1907, March 1908 to December 1909, April 1910 to December 1911 (monthly discharges only, published in WSP 1302), January 1912 to December 1913, April 1914 to June 1918 (monthly discharges only, published in WSP 1302), October 1920 to current year.
REVISED RECORDS.--WDR NY-85-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 438.99 ft above 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 ft^3). Diurnal fluctuation at low and medium flow caused by powerplants upstream from station. Diversion at Trenton Falls, 26 mi upstream from station, by Ninemile feeder since 1915 during canal navigation season. Diversion from Hinckley Reservoir for Utica water supply returned to Mohawk River.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to regulation, 23,300 ft^3/s, Mar. 26, 1913, from reports of State Engineer and Surveyor; maximum gage height, 10.47 ft, probably Feb 17, 1943, from floodmark in gage well (ice jam); maximum discharge since regulation, 20,500 ft^3/s, Oct. 2, 1945, gage height, 8.08 ft; minimum discharge, 20 ft^3/s, Sept. 3, 1929, gage height, 0.90 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,500 ft^3/s, May 13, gage height, 7.93 ft; minimum, 527 ft^3/s, Nov. 25, gage height, 2.45 ft.

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	798	857	748	832	e1000	1490	2550	1710	1270	717	896	962
2	743	870	717	844	e840	1800	2330	1980	1470	686	2850	1180
3	757	870	899	1070	e800	1620	2440	1760	1500	707	2770	1110
4	1020	831	1090	3620	e860	1620	5640	1670	1290	780	2040	1030
5	1010	851	1120	2130	e940	1590	7070	1390	1250	690	1850	1020
6	885	843	1260	1200	e900	1520	5670	1180	1820	622	1240	982
7	830	835	1180	1240	e800	1580	3960	1130	2280	633	1390	952
8	803	851	1070	1190	e700	2010	3370	1090	1590	633	1040	953
9	1030	856	1020	1170	e800	2420	4290	1100	1400	645	999	956
10	1050	845	1060	1780	e1000	2460	4020	3640	1360	838	973	942
11	1080	1000	1230	2570	e880	1830	3330	5440	1270	732	962	934
12	961	751	1060	1800	e760	2530	3020	5410	1300	685	1930	1030
13	881	660	991	e1200	e760	1790	2810	8180	1690	632	1510	1610
14	1390	658	992	e1100	999	1610	2880	6960	2170	630	1060	1120
15	1180	649	1100	e1100	1100	1560	2820	5850	1590	1190	1000	1020
16	996	636	1330	e1100	975	1630	2580	4000	1140	1330	1580	1010
17	938	639	1170	e1000	888	1870	2510	3240	879	1170	2610	882
18	928	642	1030	e1000	811	1850	2620	3110	871	2420	1510	841
19	901	642	949	e1200	842	1830	2460	3390	856	1960	1030	840
20	894	646	1130	e1100	815	1890	2370	3070	848	1750	1020	831
21	887	708	1980	e1100	793	1910	3350	2890	1110	1100	1030	855
22	886	699	1210	e1200	803	1870	3270	2740	1390	807	1020	870
23	953	670	1050	e1300	809	1790	3080	2360	992	795	1310	939
24	1140	601	917	e1300	955	1390	3070	4430	882	772	1530	985
25	992	551	e760	e1200	2180	1240	2670	3550	883	758	1110	933
26	975	817	e700	e1200	2450	1260	2250	3860	910	739	1080	899
27	937	1700	e740	e1100	3490	1180	2420	3300	1050	769	1060	880
28	895	1020	e780	e1200	5040	3930	2060	2770	866	769	1050	870
29	892	968	e800	e1200	2020	3320	1800	2660	822	759	1010	874
30	866	837	e800	e1200	---	3400	1750	2430	769	1500	977	884
31	846	---	820	e1100	---	3180	---	1520	---	1090	970	---
TOTAL	29344	24003	31703	41346	36010	60970	94460	97810	37518	29308	42407	29194
MEAN	947	800	1023	1334	1242	1967	3149	3155	1251	945	1368	973
MAX	1390	1700	1980	3620	5040	3930	7070	8180	2280	2420	2850	1610
MIN	743	551	700	832	700	1180	1750	1090	769	622	896	831

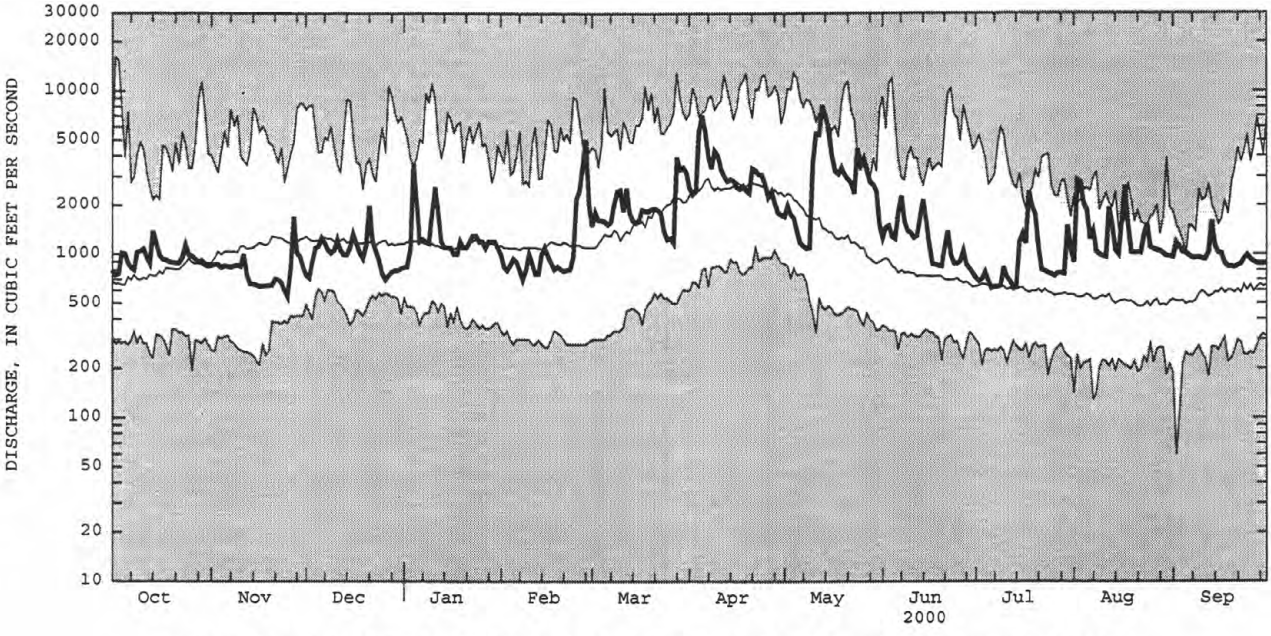
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2000, BY WATER YEAR (WY)

MEAN	943	1323	1389	1339	1241	1886	2910	1873	978	745	602	698
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1921 - 2000	
ANNUAL TOTAL	371823		554073			
ANNUAL MEAN	1019		1514		1326	
HIGHEST ANNUAL MEAN					1872	1972
LOWEST ANNUAL MEAN					829	1965
HIGHEST DAILY MEAN	5600	Jan 24	8180	May 13	16100	Oct 2 1945
LOWEST DAILY MEAN	276	Sep 9	551	Nov 25	59	Sep 2 1929
ANNUAL SEVEN-DAY MINIMUM	301	Sep 4	645	Nov 14	211	Aug 16 1934
10 PERCENT EXCEEDS	2050		2880		2590	
50 PERCENT EXCEEDS	856		1090		1000	
90 PERCENT EXCEEDS	357		760		454	

e Estimated

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



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

01347000 MOHAWK RIVER NEAR LITTLE FALLS, NY

LOCATION.--Lat 43°00'53", long 74°46'47", Herkimer County, Hydrologic Unit 02020004, on left bank 1,800 ft downstream from Fivemile Dam, 2.0 mi upstream from East Canada Creek, and 4.5 mi southeast of city of Little Falls.
DRAINAGE AREA.--1,342 mi^2.
PERIOD OF RECORD.--October 1927 to current year.
REVISED RECORDS.--WSP 741: 1929(M). WSP 1302: 1932(M). WSP 1432: 1928-30. WDR NY-85-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 308.84 ft above 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 ft^3) (see Reservoirs in Hudson River Basin). National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (river channel only), 33,100 ft^3/s, Mar. 14, 1977, gage height, 19.17 ft, from floodmark in gage house; minimum discharge (river channel only), 214 ft^3/s, Aug. 18, 1949, gage height, 3.75 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge (since at least 1898) prior to regulation by Hinckley Reservoir, 34,800 ft^3/s, Mar. 27, 1913 (from report by R. E. Horton, 1913), at site 01346500 "at Little Falls" (drainage area, 1,290 mi^2).
EXTREMES FOR CURRENT YEAR.--Maximum discharge (river channel only), 27,600 ft^3/s, May 14, gage height, 17.50 ft, minimum discharge (river channel only), 824 ft^3/s, July 7, gage height, 5.06 ft.

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	1740	1430	3210	1620	e2600	9730	5350	3090	2270	1520	2170	1400
2	1470	1440	3030	1590	e2100	7580	4400	3530	2490	1340	4720	1890
3	1400	1460	4300	2030	e1700	5710	4550	3550	3530	1310	5700	2390
4	1750	1440	3650	7670	e1800	4550	12100	3090	2770	1450	3120	1690
5	2520	1430	3360	7760	e2000	4010	13600	2730	2310	1370	2500	1570
6	2000	1400	3640	5280	e2000	3690	12300	2460	3550	1220	1940	1520
7	1750	1370	3520	4090	e1800	3490	9370	2310	6320	1110	2200	1430
8	1560	1370	2630	3650	e1500	4110	7170	2250	3850	1170	2110	1430
9	1850	1370	2230	3410	1740	4750	9150	2140	3130	1260	1760	1980
10	2110	1360	2080	4090	2300	5440	9430	4880	2810	1350	1670	2070
11	2170	1580	2440	7440	2120	4260	8710	14000	2470	1280	1560	1630
12	2070	1440	2370	6280	e1700	5510	7610	12700	2490	1180	3330	1660
13	1780	1260	2110	4840	e1400	5100	6670	16500	3470	1060	4810	3630
14	2450	1240	2010	e3300	e1900	4210	6440	21400	7260	1090	2410	2510
15	3240	1250	2120	e3000	2580	3680	6370	17300	5640	3530	2010	2230
16	2380	1230	2650	e2700	2620	3600	5570	11800	2940	3810	2380	2640
17	2270	1200	2620	e3000	e2200	3950	4950	7750	2510	2640	3670	2050
18	2610	1170	2240	e3000	e1800	3840	4920	5590	2320	3310	3400	1710
19	2320	1130	1900	e3300	1860	3660	4090	6430	2200	2710	2720	1560
20	1690	1140	1860	e3200	1900	3770	3960	6430	2010	2290	2600	1490
21	1600	1260	3780	e3000	1810	3910	6220	5500	2000	1720	2210	1460
22	1540	1270	3560	e3000	1780	3740	7900	4780	4160	1400	1960	1500
23	1590	1220	3160	e3100	1870	3490	7920	4140	3260	1360	2000	1540
24	1900	1390	2780	e3200	2810	3090	7450	8600	2340	1330	2910	1880
25	2700	1110	2050	e3100	5970	2760	5940	8320	2010	1240	2500	1830
26	2670	1320	1690	e3000	8860	2740	4620	8290	1940	1220	2560	1620
27	1940	3730	1640	e2800	10900	2600	4000	6810	2090	1240	2450	1490
28	1610	3310	1610	e2900	17800	7820	3990	4670	1940	1230	2030	1390
29	1540	2960	1600	e2900	12600	8760	3570	3780	1700	1190	1590	1350
30	1480	3320	1640	e3000	---	8410	3280	3640	1670	2700	1520	1340
31	1450	---	1620	e2900	---	7210	---	2810	---	3320	1480	---
TOTAL	61150	47600	79100	114150	104020	149170	201600	211270	89450	53950	79990	53880
MEAN	1973	1587	2552	3682	3587	4812	6720	6815	2982	1740	2580	1796
MAX	3240	3730	4300	7760	17800	9730	13600	21400	7260	3810	5700	3630
MIN	1400	1110	1600	1590	1400	2600	3280	2140	1670	1060	1480	1340

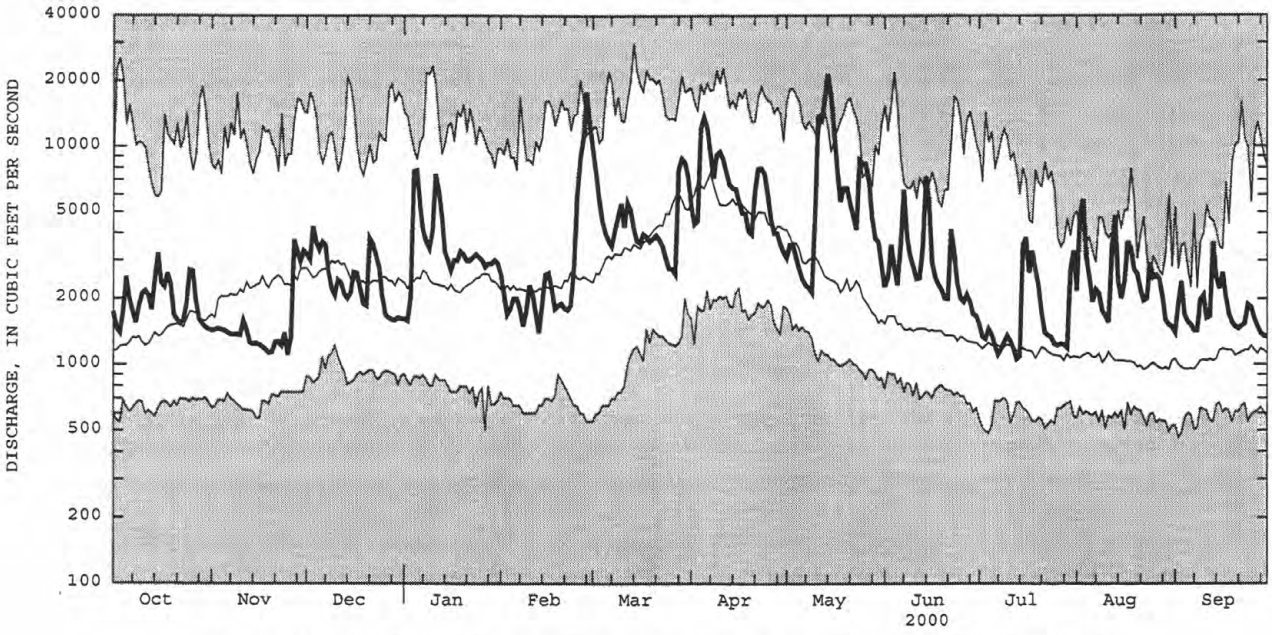
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2000, BY WATER YEAR (WY)

MEAN	1899	2806	3115	3085	2947	4794	6042	3367	1889	1480	1193	1408
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1928 - 2000	
ANNUAL TOTAL	805805		1245330			
ANNUAL MEAN	2208		3403		2833	
HIGHEST ANNUAL MEAN					4208	1976
LOWEST ANNUAL MEAN					1684	1931
HIGHEST DAILY MEAN	10500	Jan 25	21400	May 14	29900	Mar 14 1977
LOWEST DAILY MEAN	566	Sep 3	1060	Jul 13	463	Sep 2 1934
ANNUAL SEVEN-DAY MINIMUM	608	Aug 31	1190	Nov 14	529	Aug 29 1934
10 PERCENT EXCEEDS	4360		6920		5940	
50 PERCENT EXCEEDS	1600		2500		1940	
90 PERCENT EXCEEDS	724		1370		901	

e Estimated

01347000 MOHAWK RIVER NEAR LITTLE FALLS, NY--Continued



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

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

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1993 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 640 ft above 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 ft^3/s, Nov. 9, 1996, gage height, 8.88 ft; minimum, 0.23 ft^3/s, Aug. 27, 28, 29, 1995, gage height, 1.26 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 4	1045	1,830	6.83	Apr. 22	1415	1,800	6.78
Jan. 10	2330	1,310	6.04	May 14	0030	1,870	6.88
Feb. 28	0315	2,900	8.14	June 7	0300	*3,320	*8.58
Mar. 12	0745	1,220	5.88	June 13	2300	2,220	7.34
Mar. 28	1145	2,310	7.46	Aug. 12	1445	1,890	6.91
Apr. 4	1315	2,700	7.92				

Minimum recorded discharge, 4.5 ft^3/s, Nov. 8, 9, 19, 20; minimum recorded gage height, 1.69 ft, Nov. 7, 8, 9, 19, 20, but may have been less during period of estimated record Nov. 17.

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	19	5.7	e36	e14	e40	290	103	62	33	31	38	17
2	13	5.8	e33	e15	e35	304	87	62	37	24	31	18
3	11	6.5	27	26	e38	184	153	50	65	22	22	35
4	12	7.2	34	1010	e37	132	1770	44	32	32	47	21
5	18	5.8	45	488	e36	127	541	39	28	32	23	18
6	15	5.4	39	139	e35	116	236	36	1040	20	18	17
7	13	5.0	36	94	e38	121	157	32	1580	17	27	15
8	11	4.8	29	69	e35	304	131	29	252	15	25	13
9	10	4.7	26	56	e36	305	373	28	141	14	18	19
10	11	5.1	25	184	e37	355	300	62	98	15	31	39
11	12	6.4	30	694	e38	303	292	248	79	13	209	21
12	11	6.9	e34	235	e40	671	305	70	410	11	887	19
13	9.2	6.1	23	123	e50	241	229	750	503	11	245	117
14	8.7	6.0	23	80	80	174	215	616	696	12	105	40
15	9.8	5.9	31	e73	398	223	210	162	192	84	80	42
16	8.7	5.6	84	e64	366	168	144	105	117	372	87	33
17	7.9	e5.2	71	e58	266	413	108	76	93	163	54	22
18	7.6	5.7	44	e53	192	189	136	156	82	56	40	18
19	7.3	4.7	e50	e48	e160	182	148	267	85	35	34	16
20	7.3	4.7	28	e45	e140	190	100	202	58	28	28	15
21	7.5	5.3	70	e42	e120	156	338	144	53	26	24	14
22	7.2	6.2	50	e39	e110	122	791	123	202	80	21	14
23	8.5	5.5	e35	e36	e115	102	397	125	90	31	179	14
24	8.9	5.2	e30	e34	e350	88	306	441	53	23	153	28
25	7.7	5.4	e25	e33	e480	78	161	224	43	20	51	20
26	6.9	20	e21	e32	e730	97	119	121	43	17	34	15
27	6.5	203	e19	e31	e1100	70	145	85	42	17	28	13
28	6.0	89	e18	e30	2010	1020	139	65	34	17	24	12
29	5.8	55	e17	e31	507	319	96	54	31	16	21	10
30	5.6	45	e16	e32	---	199	75	45	62	19	20	10
31	5.7	---	e15	e35	---	134	---	37	---	45	20	---
TOTAL	298.8	552.8	1064	3943	7619	7377	8305	4560	6274	1318	2624	705
MEAN	9.64	18.4	34.3	127	263	238	277	147	209	42.5	84.6	23.5
MAX	19	203	84	1010	2010	1020	1770	750	1580	372	887	117
MIN	5.6	4.7	15	14	35	70	75	28	28	11	18	10
CFSM	.16	.31	.57	2.13	4.40	3.99	4.64	2.46	3.50	.71	1.42	.39
IN.	.19	.34	.66	2.46	4.75	4.60	5.17	2.84	3.91	.82	1.64	.44

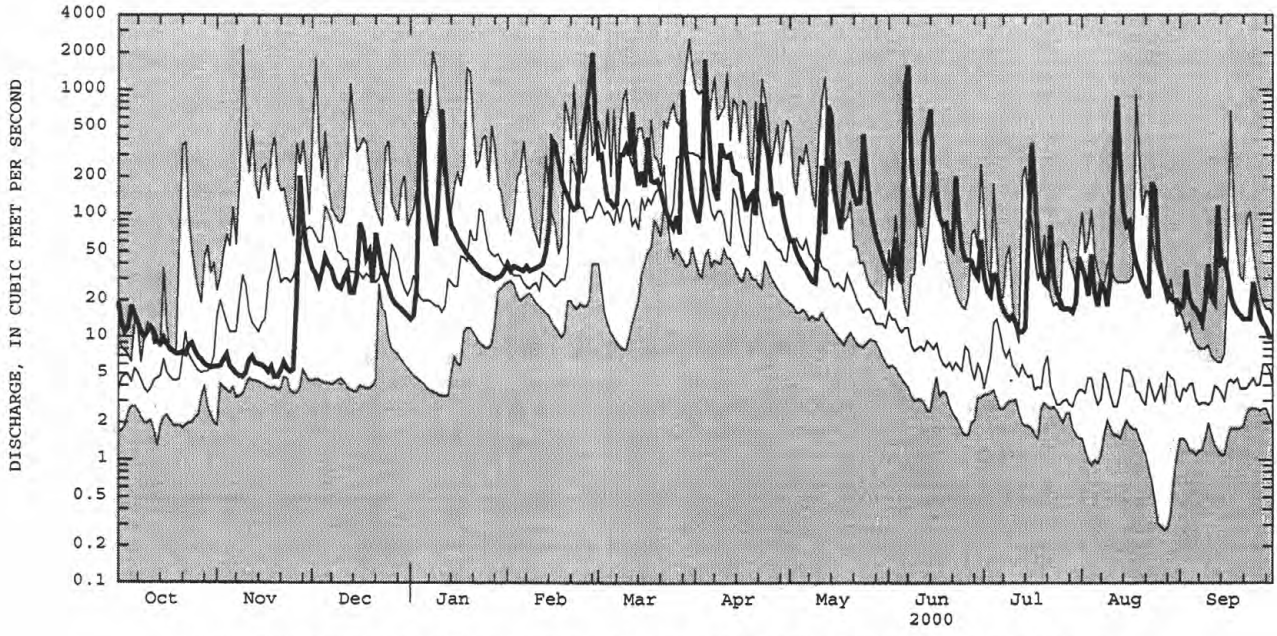
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

MEAN	12.7	60.9	79.5	121	120	197	232	71.8	41.7	17.0	25.0	11.9
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	2.21
(WY)	1998	1999	1999	1994	1995	1996	1995	1999	1999	1995	1995	1995

e Estimated

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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	15930.43		44640.6			
ANNUAL MEAN	43.6		122		80.6	
HIGHEST ANNUAL MEAN					122	2000
LOWEST ANNUAL MEAN					38.0	1995
HIGHEST DAILY MEAN	700	Mar 4	2010	Feb 28	2600	Mar 30 1993
LOWEST DAILY MEAN	.90	Aug 4	4.7	Nov 9	.27	Aug 27 1995
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 1	5.3	Nov 19	.37	Aug 23 1995
ANNUAL RUNOFF (CFSM)	.73		2.04		1.35	
ANNUAL RUNOFF (INCHES)	9.93		27.82		18.35	
10 PERCENT EXCEEDS	102		304		214	
50 PERCENT EXCEEDS	12		38		21	
90 PERCENT EXCEEDS	2.1		7.7		2.9	



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

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).
PESTICIDE DATA: 1993 (a), 1994 (d), 1995-99 (e).
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), 1998-2000 (d).
BIOLOGICAL DATA:
Bacteria--1993 (a).
Phytoplankton--1993 (a).
SEDIMENT DATA: 1993 (c), 1994-95 (e), 1996-97 (c), 1998-2000 (d).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: March 1993 to current year.
INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings.
REMARKS.--Temperature probe may be influenced by solar radiation during periods of low flow. Pesticide data collected before March 28 were analyzed using the USGS Schedule 2001/2010 method and the USGS Kansas District Organic Geochemistry Laboratory GCMS and HPLC methods and those collected on or after March 28 were analyzed using the USGS Schedule 2001/2010 method and the USGS Kansas District Organic Geochemistry Laboratory LCMS method (see tables following the Introduction to the Hudson NAWQA section near the end of this report). A sampling method code of 10 indicates an equal-width increment sample, 60 indicates a weighted-bottle sample, 70 indicates a grab sample. Interruption of temperature record was due to malfunction of recording instrument.
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.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 27.0°C, Aug. 9, 10; minimum, 0.0°C on several days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	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											
01...	1510	17	--	--	--	--	--	--	--	--	--
06...	1215	15	746	87	9.8	8.0	784	--	9.0	400	130
NOV											
04...	0950	7.7	--	--	9.2	7.8	1080	--	6.5	550	179
DEC											
08...	0845	30	757	--	11.0	--	--	2.5	4.0	270	86.0
JAN											
05...	0830	478	--	--	12.4	--	--	-1.0	1.0	120	39.0
FEB											
02...	1000	e35	--	--	--	7.6	721	--	--	320	105
MAR											
06...	1410	104	748	64	8.3	7.7	413	9.5	3.5	170	56.8
28...	1310	2270	723	96	11.2	7.3	166	--	6.5	67	21.1
APR											
17...	1110	106	--	--	--	--	--	--	9.5	--	--
*17...	1115	106	--	--	--	--	--	--	9.5	--	--
MAY											
02...	1420	65	--	--	--	7.5	483	--	--	210	68.4
17...	1355	75	--	--	--	--	--	--	--	--	--
JUN											
05...	1435	27	--	--	--	8.1	595	--	16.0	270	87.0
21...	1040	45	--	--	--	--	--	--	--	--	--
JUL											
05...	1045	31	742	61	5.2	7.7	578	--	21.5	260	85.4
17...	1330	132	--	--	--	--	--	--	--	--	--
31...	1345	40	749	57	5.0	7.9	675	--	21.0	290	94.4
AUG											
16...	1025	90	--	--	--	--	--	--	--	--	--
SEP											
05...	1050	19	758	92	9.0	7.7	707	--	16.5	300	94.5
*05...	1051	19	758	92	9.0	7.7	707	--	16.5	300	97.2
19...	1100	16	--	--	--	--	--	--	--	--	--

e Estimated daily.
* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	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)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT											
01...	--	--	--	--	--	--	--	--	--	--	--
06...	19.5	2.6	.6	27.4	13	125	45.9	.2	1.4	210	.22
NOV											
04...	25.9	2.5	.5	27.0	10	148	49.1	.2	.2	353	.20
DEC											
08...	12.6	2.1	.6	20.7	14	151	36.5	.1	4.2	102	.31
JAN											
05...	5.61	2.9	.4	9.9	15	89	18.8	<.1	4.3	25.3	.49
FEB											
02...	14.9	1.5	.5	19.8	12	172	36.6	.1	4.9	144	.14
MAR											
06...	7.77	1.8	.5	15.1	16	117	29.2	<.1	4.5	38.5	.24
28...	3.52	2.8	.3	6.1	16	--	8.5	<.1	3.9	9.4	.46
APR											
17...	--	--	--	--	--	--	--	--	--	--	--
*17...	--	--	--	--	--	--	--	--	--	--	--
MAY											
02...	9.67	1.5	.4	14.3	13	147	26.2	<.1	.9	61.5	.20
17...	--	--	--	--	--	--	--	--	--	--	--
JUN											
05...	12.6	1.8	.5	17.9	13	175	27.4	.1	1.2	93.8	.24
21...	--	--	--	--	--	--	--	--	--	--	--
JUL											
05...	11.8	2.3	.3	13.0	10	168	18.5	.1	3.2	92.9	.31
17...	--	--	--	--	--	--	--	--	--	--	--
31...	14.0	2.7	.4	14.7	10	128	22.2	.1	4.0	123	.34
AUG											
16...	--	--	--	--	--	--	--	--	--	--	--
SEP											
05...	15.5	3.2	.4	14.1	9	172	20.5	.2	3.9	117	.36
*05...	14.6	3.2	.3	13.4	9	180	19.7	.2	3.9	117	.39
19...	--	--	--	--	--	--	--	--	--	--	--

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)
OCT											
01...	--	--	--	--	--	--	--	--	--	--	<.05
06...	.29	<.020	.745	<.010	E.003	<.010	.011	518	<10	9	<.20
NOV											
04...	.29	<.020	.239	<.010	E.005	<.010	.012	752	20	14	--
DEC											
08...	.31	<.020	.655	<.010	.008	<.010	.016	385	E10	10	<.20
JAN											
05...	.78	.028	2.07	<.010	.052	.038	.158	193	30	7	<.20
FEB											
02...	.16	.027	1.68	<.010	.009	<.010	.012	475	<10	8	--
MAR											
06...	.37	<.020	1.36	<.010	.016	.015	.036	248	<10	13	--
28...	2.7	.039	.499	<.010	.049	.036	.901	112	40	<2	<.05
APR											
17...	--	--	--	--	--	--	--	--	--	--	<.05
*17...	--	--	--	--	--	--	--	--	--	--	<.05
MAY											
02...	.23	<.020	.985	<.010	E.003	<.010	.010	291	E10	11	<.05
17...	--	--	--	--	--	--	--	--	--	--	<.05
JUN											
05...	.34	.022	.766	.010	.008	<.010	.024	376	10	7	<.05
21...	--	--	--	--	--	--	--	--	--	--	<.05
JUL											
05...	.61	<.020	.773	<.010	.014	<.010	.048	353	E10	9	<.05
17...	--	--	--	--	--	--	--	--	--	--	.16
31...	.46	.022	.913	<.010	.015	.010	.045	418	10	8	<.05
AUG											
16...	--	--	--	--	--	--	--	--	--	--	<.05
SEP											
05...	.45	.039	.658	<.010	.015	.013	.027	402	10	12	<.05
*05...	.46	.033	.654	<.010	.014	.010	.027	406	10	14	<.05
19...	--	--	--	--	--	--	--	--	--	--	<.05

* Replicate.
E Estimated.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALACHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	CYANAZINE-AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DIAZINON, DISSOLVED (UG/L) (39572)	METOLACHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)
OCT											
01...	<.050	<.002	<.05	.019	<.004	<.004	<.050	E.019	<.05	<.002	.62
06...	<.200	<.002	<.05	.022	<.004	<.004	<.050	E.027	<.05	<.002	.66
NOV											
04...	--	<.002	<.05	.015	<.004	<.004	<.050	E.014	<.05	<.002	--
DEC											
08...	<.200	<.002	<.05	.021	<.004	<.004	<.050	E.024	<.05	<.002	<.20
JAN											
05...	<.200	<.002	<.05	.014	<.004	<.004	<.050	E.009	<.05	<.002	.55
FEB											
02...	--	--	--	--	--	--	--	--	--	--	--
MAR											
06...	--	<.002	<.05	.013	<.004	<.004	<.050	E.017	<.05	<.002	--
28...	<.050	<.002	--	.020	<.004	<.004	--	E.022	--	<.002	.37
APR											
17...	<.050	<.002	--	.011	<.004	<.004	--	E.013	--	<.002	.45
*17...	<.050	--	--	--	--	--	--	--	--	--	.45
MAY											
02...	.200	<.002	--	.013	<.004	<.004	--	E.014	--	<.002	.43
17...	.420	<.002	--	.034	<.004	<.004	--	E.018	--	<.002	.70
JUN											
05...	<.050	<.002	--	.077	<.004	<.004	--	E.016	--	<.002	.42
21...	<.050	<.002	--	.041	<.004	.010	--	E.020	--	<.002	.44
JUL											
05...	<.050	<.002	--	.610	<.004	.008	--	E.030	--	<.002	.37
17...	.120	.351	--	6.28	.023	.452	--	E.11	--	<.002	1.06
31...	<.050	.005	--	.890	<.004	<.010	--	E.050	--	<.002	.45
AUG											
16...	<.050	<.002	--	.094	<.004	.007	--	E.017	--	.009	.29
SEP											
05...	.070	<.002	--	.075	<.004	<.004	--	E.046	--	<.002	.56
*05...	.070	<.002	--	.074	<.004	<.004	--	E.043	--	<.002	.54
19...	<.050	<.002	--	.036	<.004	<.004	--	E.031	--	<.002	.76

DATE	METOLACHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PROMETRYN, WATER, DISS, REC (UG/L) (04036)	PROPAZINE WATER DISS REC (UG/L) (38535)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TERBUTRYN WATER, DISS, REC (UG/L) (38888)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAMPLING METHOD, CODES (82398)
OCT										
01...	.23	.015	<.004	<.05	<.05	<.005	<.05	--	--	70
06...	<.20	.020	<.004	<.05	<.05	<.005	<.05	6	90	10
NOV										
04...	--	.006	<.004	<.05	<.05	<.005	<.05	9	66	10
DEC										
08...	<.20	.007	<.004	<.05	<.05	<.005	<.05	3	98	10
JAN										
05...	<.20	.034	<.004	<.05	<.05	<.005	<.05	133	98	70
FEB										
02...	--	--	--	--	--	--	--	187	99	70
MAR										
06...	--	.023	<.004	<.05	<.05	<.005	<.05	89	99	10
28...	.21	.031	<.004	--	--	<.005	--	857	90	10
APR										
17...	.21	.013	<.004	--	--	<.005	--	--	--	10
*17...	.21	--	--	--	--	--	--	--	--	10
MAY										
02...	.24	.012	<.004	--	--	<.005	--	6	79	10
17...	.38	.023	<.004	--	--	.010	--	--	--	10
JUN										
05...	.14	.046	<.004	--	--	.006	--	7	97	10
21...	.14	.030	<.004	--	--	.007	--	--	--	10
JUL										
05...	.13	2.19	<.010	--	--	E.005	--	17	98	10
17...	.66	1.85	.021	--	--	.012	--	--	--	10
31...	.21	.125	<.004	--	--	<.005	--	16	91	10
AUG										
16...	.16	.077	<.004	--	--	.005	--	--	--	60
SEP										
05...	.14	.021	<.004	--	--	<.005	--	7	93	10
*05...	.15	.021	<.004	--	--	<.005	--	6	98	10
19...	.18	.013	<.004	--	--	<.005	--	--	--	10

E Estimated.
* Replicate.

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.5	13.5	15.0	11.0	8.0	9.0	1.5	.0	.5	---	---	---
2	15.5	12.0	14.0	10.5	8.5	9.0	.5	.0	.0	---	---	---
3	16.0	13.5	14.5	11.5	9.0	10.5	1.5	.0	.5	---	---	---
4	14.5	11.5	12.5	9.0	6.0	7.5	3.5	1.5	2.5	---	---	---
5	12.5	11.0	11.5	7.0	5.0	6.0	6.5	3.5	5.0	---	---	---
6	11.0	9.0	10.0	8.5	7.0	7.5	8.5	6.5	7.5	---	---	---
7	10.0	7.0	8.5	7.5	4.5	6.0	7.5	5.0	6.5	---	---	---
8	10.5	6.0	8.5	4.5	3.5	4.0	5.0	3.0	4.5	---	---	---
9	14.0	10.0	12.0	6.5	4.0	5.0	3.0	1.5	2.0	---	---	---
10	13.5	11.5	12.5	9.5	6.5	8.0	2.5	.5	1.5	---	---	---
11	16.0	12.5	14.0	9.5	6.5	8.5	2.0	.0	1.0	---	---	---
12	13.5	10.5	12.0	6.5	4.5	5.0	1.0	.0	.0	---	---	---
13	14.0	10.5	12.5	6.0	5.0	5.5	.5	.0	.0	---	---	---
14	14.0	10.0	12.5	6.0	5.0	5.5	1.0	.0	.5	---	---	---
15	11.5	8.0	9.5	5.0	3.0	4.0	1.5	.0	.5	---	---	---
16	12.5	8.0	10.5	3.0	.5	1.5	3.0	1.5	2.0	---	---	---
17	13.0	11.0	12.0	2.0	.0	1.0	2.5	.5	2.0	---	---	---
18	13.0	11.0	12.5	2.5	.5	1.5	.5	.0	.0	---	---	---
19	11.0	8.0	9.0	4.0	1.5	2.5	.5	.0	.0	---	---	---
20	9.5	9.0	9.0	4.0	3.0	3.5	.0	.0	.0	---	---	---
21	10.0	8.5	9.0	5.5	3.5	4.5	.0	.0	.0	---	---	---
22	9.0	7.5	8.0	8.0	5.5	6.5	.0	.0	.0	---	---	---
23	8.5	8.0	8.5	10.0	8.0	8.5	.0	.0	.0	---	---	---
24	9.0	7.5	8.0	11.0	9.0	9.5	---	.0	---	---	---	---
25	9.0	7.0	8.0	10.0	8.0	9.0	---	---	---	---	---	---
26	9.0	7.0	8.0	9.5	7.5	8.5	---	---	---	---	---	---
27	8.5	7.5	8.0	9.5	8.5	9.0	---	---	---	---	---	---
28	8.5	6.0	7.0	8.5	5.5	7.0	---	---	---	---	---	---
29	8.5	6.0	7.0	5.5	3.5	5.0	---	---	---	---	---	---
30	9.0	7.0	7.5	3.5	1.5	3.0	---	---	---	---	---	---
31	9.5	8.0	8.5	---	---	---	---	---	---	---	---	---
MONTH	16.5	6.0	10.5	11.5	.0	6.0	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	12.0	10.0	11.0
2	---	---	---	---	---	---	---	---	---	15.0	10.0	12.0
3	---	---	---	---	---	---	---	---	---	17.0	10.5	13.5
4	---	---	---	---	---	---	---	---	---	19.0	12.5	15.5
5	---	---	---	---	---	---	---	---	---	21.0	16.0	18.0
6	---	---	---	---	---	---	---	---	---	23.0	17.0	20.0
7	---	---	---	---	---	---	---	---	---	25.0	18.5	21.5
8	---	---	---	---	---	---	---	---	---	25.0	20.0	22.0
9	---	---	---	---	---	---	---	---	---	25.0	20.0	22.5
10	---	---	---	---	---	---	---	---	---	23.0	16.5	20.5
11	---	---	---	---	---	---	---	---	---	17.5	14.0	15.0
12	---	---	---	---	---	---	---	---	---	15.5	14.5	15.0
13	---	---	---	---	---	---	---	---	---	16.5	13.0	15.0
14	---	---	---	---	---	---	---	---	---	15.5	12.5	14.0
15	---	---	---	---	---	---	---	---	---	14.0	11.0	12.0
16	---	---	---	---	---	---	---	---	---	14.5	10.0	12.5
17	---	---	---	---	---	---	---	---	---	17.0	13.0	15.0
18	---	---	---	---	---	---	---	---	---	16.0	14.5	15.5
19	---	---	---	---	---	---	9.0	---	---	16.0	10.5	13.0
20	---	---	---	---	---	---	12.5	9.0	10.5	10.5	10.0	10.0
21	---	---	---	---	---	---	11.5	8.0	9.5	11.0	10.0	10.5
22	---	---	---	---	---	---	8.0	6.0	7.0	12.5	11.0	12.0
23	---	---	---	---	---	---	7.0	6.5	6.5	14.5	12.0	13.5
24	---	---	---	---	---	---	11.5	6.0	8.5	16.5	13.0	15.0
25	---	---	---	---	---	---	12.0	8.5	10.5	16.0	13.5	14.5
26	---	---	---	---	---	---	11.5	8.0	9.0	14.0	12.5	13.5
27	---	---	---	---	---	---	8.0	7.0	7.5	16.0	12.0	14.0
28	---	---	---	---	---	---	10.5	7.0	8.5	15.5	13.5	14.5
29	---	---	---	---	---	---	13.0	8.5	11.0	17.0	12.5	14.5
30	---	---	---	---	---	---	14.5	10.5	12.5	20.0	13.5	16.5
31	---	---	---	---	---	---	---	---	---	22.5	15.0	18.5
MONTH	---	---	---	---	---	---	---	---	---	25.0	10.0	15.0

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.0	18.5	21.0	25.0	17.0	21.0	22.0	19.5	20.5	25.5	21.5	23.5
2	22.0	19.0	20.5	26.5	19.5	23.0	25.0	20.0	22.0	26.0	23.0	24.5
3	21.5	16.5	19.0	24.5	21.5	22.0	26.5	21.5	24.0	24.0	22.0	23.0
4	19.5	16.0	18.0	24.5	20.5	22.0	24.5	21.0	22.5	22.0	18.5	21.0
5	18.0	15.0	16.0	25.5	20.0	22.5	25.0	19.0	22.0	20.0	15.5	18.0
6	15.0	11.5	12.5	22.5	19.0	21.0	22.5	19.0	20.5	19.5	14.5	17.0
7	14.0	10.5	12.0	23.0	18.5	20.5	24.5	19.5	21.5	19.5	14.5	17.0
8	14.5	11.5	13.0	23.5	17.5	21.0	25.5	20.5	23.0	20.5	15.5	18.0
9	17.0	14.0	15.5	22.5	19.0	20.5	27.0	22.0	24.5	20.5	19.0	19.5
10	21.0	15.5	18.5	24.0	20.0	22.0	27.0	23.0	25.0	21.0	18.5	19.5
11	22.5	19.5	20.5	25.0	19.5	22.5	24.0	18.5	21.5	19.5	18.5	19.0
12	20.5	15.5	17.0	26.0	20.0	23.0	18.5	17.0	18.0	20.5	18.5	19.5
13	15.5	14.5	15.0	26.5	21.0	24.0	18.5	16.0	17.5	20.0	18.0	19.0
14	14.5	13.0	13.5	26.0	22.5	24.5	18.0	16.5	17.5	20.5	16.0	18.0
15	17.5	13.0	15.0	23.5	18.0	20.5	21.0	17.0	19.0	18.5	16.0	17.5
16	20.5	17.0	19.0	18.5	17.0	18.0	21.5	19.5	20.5	17.0	14.0	15.5
17	21.5	19.5	20.5	20.5	17.0	18.5	20.5	18.0	19.0	17.0	13.0	15.0
18	19.5	16.0	18.0	22.5	19.0	20.5	18.5	16.0	17.5	18.5	14.5	16.5
19	19.5	15.0	17.0	21.0	18.5	19.5	20.5	15.5	18.0	18.0	15.5	17.0
20	22.5	17.0	19.5	23.5	16.5	20.0	21.0	16.0	18.0	21.5	17.0	19.0
21	21.5	19.0	20.0	21.0	17.5	19.0	21.5	15.0	18.0	20.5	17.5	18.5
22	21.5	18.5	20.0	20.0	16.5	18.0	23.0	16.5	19.5	19.0	15.0	17.0
23	22.5	19.0	20.5	23.5	17.0	20.0	20.5	16.5	18.0	17.5	15.0	15.5
24	23.0	18.5	20.5	23.5	18.0	21.0	20.0	16.0	18.0	16.5	14.5	16.0
25	25.0	19.5	22.0	25.5	19.0	22.5	22.0	17.0	19.5	16.0	12.5	14.5
26	25.5	22.0	23.5	24.0	20.5	21.5	23.5	17.5	20.0	14.5	12.5	13.0
27	23.5	21.5	22.5	21.5	20.0	20.5	23.0	19.0	20.5	15.0	10.0	13.0
28	25.0	19.5	22.0	24.0	20.0	21.5	23.0	19.0	21.0	15.0	12.0	13.5
29	22.5	19.5	21.0	23.0	21.0	22.0	24.0	19.5	21.5	13.0	9.0	11.0
30	22.0	17.5	19.5	22.5	21.0	21.5	23.5	20.5	22.0	13.5	9.0	11.5
31	---	---	---	21.0	20.0	20.5	26.0	20.5	23.0	---	---	---
MONTH	25.5	10.5	18.5	26.5	16.5	21.0	27.0	15.0	20.5	26.0	9.0	17.5

01349541 SUGARLOAF BROOK SOUTH OF TANNERSVILLE, NY

LOCATION.--Lat 42°08'42", long 74°07'24", Greene County, Hydrologic Unit 02020005, on left bank 140 ft upstream from bridge on Dale Lane, and 4.9 mi southeast of Tannersville.
DRAINAGE AREA.--1.12 mi^2.
PERIOD OF RECORD.--September 1999 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,940 ft above 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, 455 ft^3/s, Sept. 16, 1999, gage height, 4.08 ft, from rating curve extended above 50 ft^3/s on basis of runoff comparison of peak flows from nearby stations; minimum discharge, 0.28 ft^3/s, July 13, 14, 2000, gage height, 1.06 ft.
EXTREMES FOR CURRENT PERIOD.--September 1999: Maximum discharge, 455 ft^3/s, Sept. 16, gage height, 4.08 ft, from rating curve extended above 50 ft^3/s on basis of runoff comparison of peak flows from nearby stations; minimum discharge, 0.97 ft^3/s, Sept. 16, 29, 30, gage height, 1.24 ft.

Water year 2000: Peak discharges greater than base discharge of 60 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2115	a*173	*2.92	June 6	1715	a168	2.90
Feb. 28	0415	62	2.37	July 15	1645	82	2.49
Mar. 28	0830	70	2.42				

a From rating curve extended as explained above.

Minimum discharge, 0.28 ft^3/s, July 13, 14, gage height, 1.06 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	e124
17	---	---	---	---	---	---	---	---	---	---	---	54
18	---	---	---	---	---	---	---	---	---	---	---	8.7
19	---	---	---	---	---	---	---	---	---	---	---	4.2
20	---	---	---	---	---	---	---	---	---	---	---	2.6
21	---	---	---	---	---	---	---	---	---	---	---	4.3
22	---	---	---	---	---	---	---	---	---	---	---	4.9
23	---	---	---	---	---	---	---	---	---	---	---	4.2
24	---	---	---	---	---	---	---	---	---	---	---	2.8
25	---	---	---	---	---	---	---	---	---	---	---	2.0
26	---	---	---	---	---	---	---	---	---	---	---	1.6
27	---	---	---	---	---	---	---	---	---	---	---	1.3
28	---	---	---	---	---	---	---	---	---	---	---	1.1
29	---	---	---	---	---	---	---	---	---	---	---	1.0
30	---	---	---	---	---	---	---	---	---	---	---	6.6
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
CFSM	---	---	---	---	---	---	---	---	---	---	---	---
IN.	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated

01349541 SUGARLOAF BROOK SOUTH OF TANNERSVILLE, NY--Continued

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

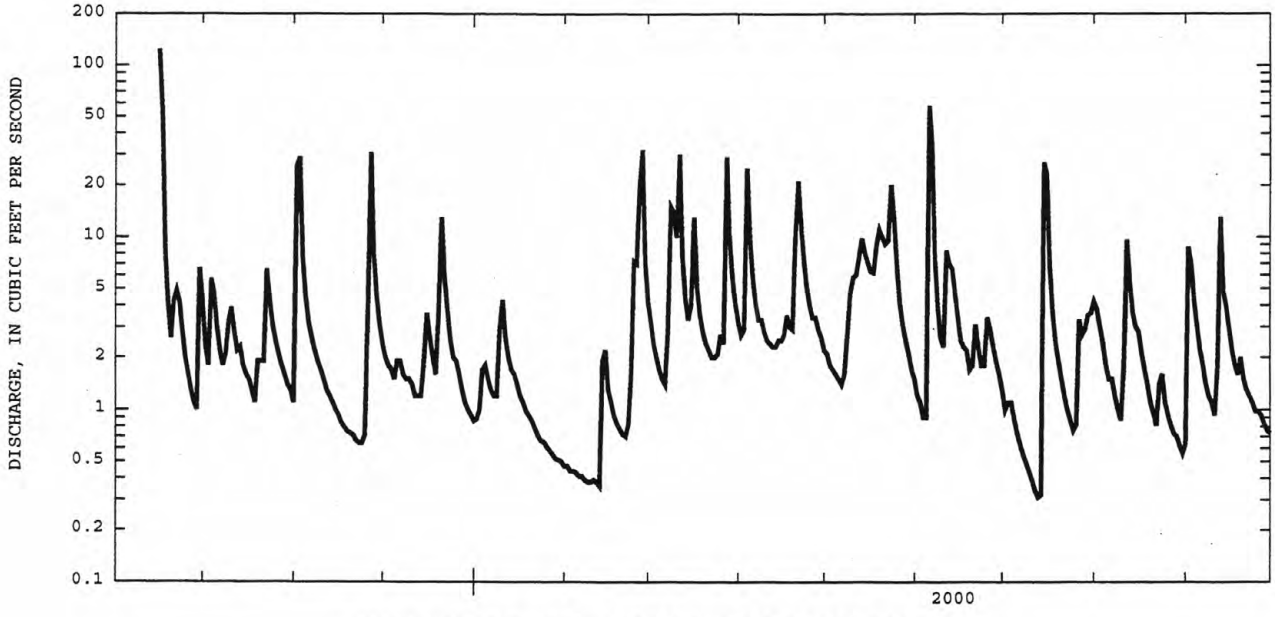
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	1.1	2.4	.86	.47	4.2	3.2	2.2	1.5	1.3	4.2	.63
2	2.3	26	2.0	.88	.47	3.2	2.7	2.1	1.2	1.0	3.8	8.7
3	1.8	29	1.8	1.0	.44	2.4	2.9	1.8	1.1	1.1	3.0	6.9
4	5.7	7.4	1.7	1.7	.44	2.0	25	1.7	.90	1.1	2.4	4.2
5	4.7	4.5	1.5	1.8	.43	1.7	10	1.6	.90	.88	1.8	3.0
6	3.0	3.2	1.9	1.5	.41	1.5	5.7	1.5	58	.73	1.5	2.2
7	2.2	2.6	1.9	e1.3	.41	1.4	4.1	1.4	35	.63	1.5	1.8
8	1.8	2.2	1.6	1.2	.39	2.9	3.3	1.6	7.5	.55	1.2	1.4
9	2.1	1.9	1.5	1.2	.38	15	3.3	2.7	4.0	.49	1.0	1.2
10	3.2	1.7	1.5	2.9	.38	14	2.8	4.7	2.6	.44	.87	1.1
11	3.9	1.5	1.4	4.3	.39	10	2.5	5.8	2.3	.39	1.8	.93
12	2.8	1.3	1.2	2.6	.38	30	2.4	6.0	8.3	.34	9.6	1.8
13	2.2	1.2	1.2	2.0	.36	7.7	2.3	7.6	7.0	.31	5.5	13
14	2.3	1.1	1.2	1.7	1.9	4.4	2.3	9.8	6.5	.32	3.6	4.8
15	1.8	1.0	1.9	1.6	2.2	3.3	2.5	8.1	4.7	27	3.0	3.9
16	1.6	.93	3.6	1.4	1.3	4.0	2.5	7.1	3.4	23	2.8	2.9
17	1.5	.84	2.6	1.2	1.1	13	2.7	6.3	2.5	6.7	2.1	2.2
18	1.3	.79	2.0	1.1	.92	5.1	3.5	6.2	2.3	3.6	1.7	1.8
19	1.1	.75	1.6	.98	.83	3.5	3.0	8.9	2.2	2.4	1.4	1.6
20	1.9	.73	3.8	.92	.77	2.8	2.9	11	1.7	1.9	1.1	2.0
21	1.9	.71	13	.86	.72	2.4	10	10	1.8	1.5	.96	1.5
22	1.9	.66	5.8	.78	.70	2.2	21	9.1	3.1	1.2	.81	1.3
23	6.5	.64	3.7	.71	.82	2.0	12	9.5	2.3	1.0	1.4	1.2
24	4.4	.64	2.5	.66	1.7	2.0	7.3	20	1.8	.87	1.6	1.1
25	3.1	.71	2.0	.65	7.2	2.1	5.1	13	1.8	.76	1.1	.98
26	2.5	3.8	1.9	.61	7.0	2.7	4.0	6.7	3.4	.82	.93	.98
27	2.1	31	1.6	.58	20	2.4	3.4	4.1	2.9	3.3	.81	.93
28	1.8	7.9	1.3	.55	32	29	3.4	3.1	2.3	2.7	.73	.83
29	1.6	4.5	1.1	.52	7.1	9.9	2.9	2.5	1.9	2.9	.70	.76
30	1.4	3.1	1.0	.51	---	5.7	2.6	2.1	1.6	3.5	.62	.73
31	1.3	---	.93	.50	---	4.1	---	1.7	---	3.6	.56	---
TOTAL	79.9	143.40	73.13	39.07	91.61	196.6	161.3	179.9	176.50	96.33	64.09	76.37
MEAN	2.58	4.78	2.36	1.26	3.16	6.34	5.38	5.80	5.88	3.11	2.07	2.55
MAX	6.5	31	13	4.3	32	30	25	20	58	27	9.6	13
MIN	1.1	.64	.93	.50	.36	1.4	2.3	1.4	.90	.31	.56	.63
CFSM	2.30	4.27	2.11	1.13	2.82	5.66	4.80	5.18	5.25	2.77	1.85	2.27
IN.	2.65	4.76	2.43	1.30	3.04	6.53	5.36	5.98	5.86	3.20	2.13	2.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	2.58	4.78	2.36	1.26	3.16	6.34	5.38	5.80	5.88	3.11	2.07	2.55
MAX	2.58	4.78	2.36	1.26	3.16	6.34	5.38	5.80	5.88	3.11	2.07	2.55
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
MIN	2.58	4.78	2.36	1.26	3.16	6.34	5.38	5.80	5.88	3.11	2.07	2.55
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	1378.20			
ANNUAL MEAN	3.77		3.77	
HIGHEST ANNUAL MEAN			3.77	2000
LOWEST ANNUAL MEAN			3.77	2000
HIGHEST DAILY MEAN	58	Jun 6	124	Sep 16 1999
LOWEST DAILY MEAN	.31	Jul 13	.31	Jul 13 2000
ANNUAL SEVEN-DAY MINIMUM	.38	Feb 7	.38	Feb 7 2000
ANNUAL RUNOFF (CFSM)	3.36		3.36	
ANNUAL RUNOFF (INCHES)	45.78		45.68	
10 PERCENT EXCEEDS	7.8		8.1	
50 PERCENT EXCEEDS	1.9		2.0	
90 PERCENT EXCEEDS	.70		.71	

e Estimated



DAILY MEAN DISCHARGE - SEPTEMBER 1999 TO SEPTEMBER 2000.

01349700 EAST KILL NEAR JEWETT CENTER, NY

LOCATION.--Lat 42°14'57", long 74°18'11", Greene County, Hydrologic Unit 02020005, on right bank 6 ft downstream from bridge on Mill Hollow Road, and 1.3 mi northeast of Jewett Center.
DRAINAGE AREA.--35.6 mi^2.
PERIOD OF RECORD.--Occassional low-flow and/or miscellaneous discharge measurements, water years 1951, 1955-61, 1964, 1987, and annual maximum, water years 1965-74, 1987, 1996. December 1996 to current year.
REVISED RECORDS.--WDR NY-99-1: 1996-97(M), 1998.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,452.26 ft above sea level. Prior to December 1996, crest-stage gage at same site at datum 1456.76 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, 13,500 ft^3/s, Jan. 19, 1996, gage height, 17.00 ft, present datum, from floodmark, from rating curve extended above 1,000 ft^3/s on basis of contracted-opening measurement of peak flow; minimum discharge (since December 1996), 0.84 ft^3/s, Aug. 13, 1997; minimum gage height, 4.24 ft, Aug. 10, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2315	a2,710	9.26	June 7	0130	a*4,140	*10.49
Feb. 28	0430	1,600	8.19				

a From rating curve extended as explained above.

Minimum discharge, 5.1 ft^3/s, July 15; minimum gage height, 4.37 ft, Sept. 30.

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	87	33	72	27	e23	218	109	77	38	28	36	7.7
2	57	292	63	30	e21	189	94	73	56	21	31	9.5
3	47	765	61	39	e19	139	108	66	88	20	27	8.9
4	112	233	61	49	e18	109	215	57	51	28	26	11
5	115	146	56	58	e17	95	183	53	47	21	20	11
6	83	109	58	e35	e16	80	126	62	1190	16	18	8.9
7	65	88	56	e31	e15	75	104	53	1430	13	18	8.1
8	56	73	49	e29	e15	99	96	47	310	11	17	7.4
9	60	65	45	32	e14	148	161	44	160	9.9	14	7.0
10	60	58	43	49	e14	228	122	64	105	9.3	13	6.8
11	61	54	44	120	e15	215	107	117	106	8.0	13	6.3
12	50	47	39	74	e17	505	113	96	247	6.9	66	7.1
13	44	45	37	60	e21	249	108	330	181	6.2	68	43
14	55	42	38	e44	e40	166	107	382	186	5.6	46	22
15	51	38	64	e39	e140	129	105	179	118	111	60	18
16	45	35	78	e36	e76	117	94	124	87	312	50	16
17	41	31	66	e33	e54	352	89	97	71	109	39	14
18	40	28	53	e31	e43	182	148	93	65	64	32	12
19	36	27	e41	e29	e38	144	112	168	67	44	27	11
20	41	27	43	e28	e34	122	95	163	53	35	23	11
21	44	25	120	e26	e31	108	130	120	45	30	20	9.3
22	40	24	83	e25	e32	95	359	103	65	25	17	8.4
23	78	22	e56	e24	e35	84	279	100	46	21	16	7.7
24	74	21	e45	e23	69	75	198	115	36	18	17	7.5
25	57	24	e38	e25	216	71	143	135	31	17	16	7.2
26	50	41	e40	e31	277	85	117	103	35	15	13	7.2
27	45	369	e36	e26	555	70	114	83	31	21	12	7.3
28	41	160	e32	e24	956	555	135	70	26	27	10	6.7
29	39	105	e30	e22	398	293	106	61	33	33	8.9	6.2
30	37	83	e29	e23	---	178	89	52	44	56	8.5	5.9
31	35	---	e28	e28	---	133	---	44	---	44	8.1	---
TOTAL	1746	3110	1604	1150	3219	5308	4066	3331	5048	1185.9	790.5	320.1
MEAN	56.3	104	51.7	37.1	111	171	136	107	168	38.3	25.5	10.7
MAX	115	765	120	120	956	555	359	382	1430	312	68	43
MIN	35	21	28	22	14	70	89	44	26	5.6	8.1	5.9
CFSM	1.58	2.91	1.45	1.04	3.12	4.81	3.81	3.02	4.73	1.07	.72	.30
IN.	1.82	3.25	1.68	1.20	3.36	5.55	4.25	3.48	5.27	1.24	.83	.33

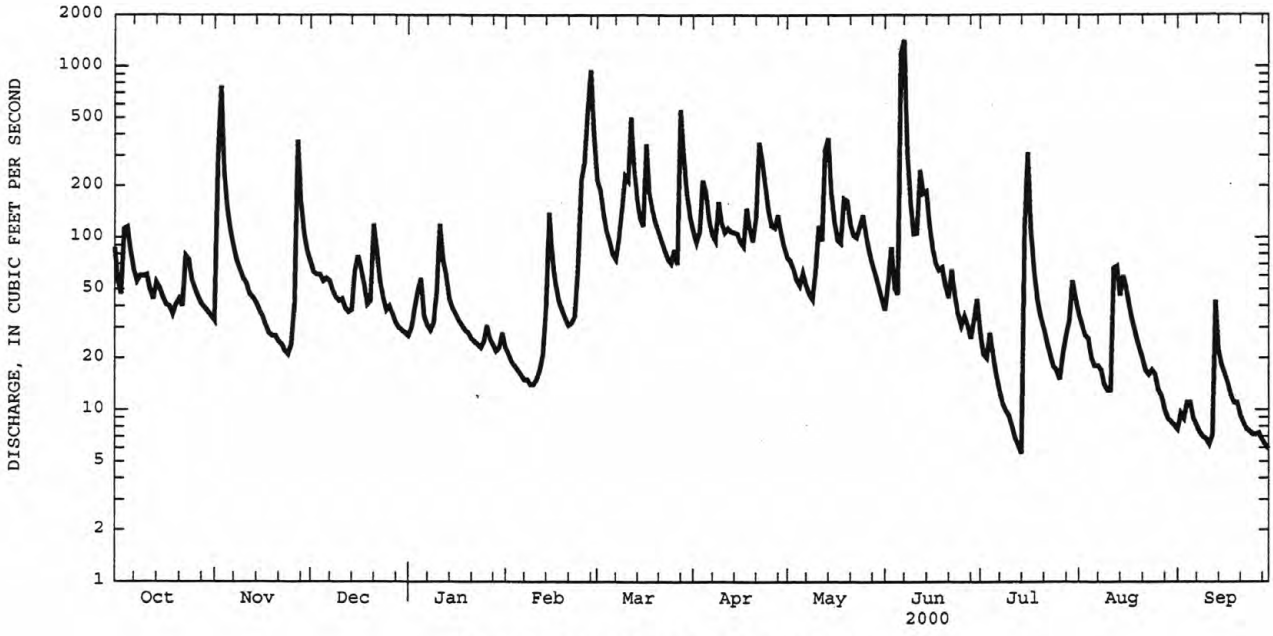
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

MEAN	24.3	90.3	36.2	109	75.2	158	145	122	83.2	21.1	8.68	47.7
MAX	56.3	158	51.7	181	111	212	224	240	168	38.3	25.5	167
(WY)	2000	1998	2000	1998	2000	1998	1997	1998	2000	2000	2000	1999
MIN	7.35	9.60	12.0	37.1	52.4	68.5	79.7	55.1	9.98	2.79	2.84	1.90
(WY)	1998	1999	1999	2000	1999	1997	1999	1999	1999	1997	1998	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	28839.5		30878.5			
ANNUAL MEAN	79.0		84.4		83.4	
HIGHEST ANNUAL MEAN					102	1998
LOWEST ANNUAL MEAN					63.9	1999
HIGHEST DAILY MEAN	1980	Sep 17	1430	Jun 7	2010	May 10 1998
LOWEST DAILY MEAN	1.7	Aug 20	5.6	Jul 14	.91	Aug 11 1997
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 7	6.9	Sep 24	1.0	Aug 6 1997
ANNUAL RUNOFF (CFSM)	2.22		2.37		2.34	
ANNUAL RUNOFF (INCHES)	30.14		32.27		31.83	
10 PERCENT EXCEEDS	132		167		150	
50 PERCENT EXCEEDS	45		46		35	
90 PERCENT EXCEEDS	3.6		12		3.1	

e Estimated

01349700 EAST KILL NEAR JEWETT CENTER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01349705 SCHOHARIE CREEK NEAR LEXINGTON, NY

LOCATION.--Lat 42°14'13", long 74°20'26", Greene County, Hydrologic Unit 02020005, on left bank 0.2 mi downstream from bridge on Bush Road, and 1.2 mi east of Lexington.
DRAINAGE AREA.--96.8 mi^2.
PERIOD OF RECORD.--August 1999 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,340 ft above 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 ft^3/s, Sept. 16, 1999, gage height, about 16.5 ft, from reconstructed graph; outside gage height was 18.10 ft, from floodmark, from rating curve extended above 5,000 ft^3/s on basis of runoff comparison of peak flows from nearby stations and step-backwater analysis of peak flow; minimum discharge, 7.4 ft^3/s, Sept. 6, 1999, gage height, 1.62 ft.
EXTREMES FOR CURRENT PERIOD.--August to September 1999: Maximum discharge, 23,000 ft^3/s, Sept. 16, gage height, about 16.5 ft, from reconstructed graph; outside gage height was 18.10 ft, from floodmark, from rating curve extended above 5,000 ft^3/s on basis of runoff comparison of peak flows from nearby stations and step-backwater analysis of peak flow; minimum discharge, 7.4 ft^3/s, Sept. 6, gage height, 1.62 ft.

Water year 2000: Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2330	8,410	8.55	Mar. 28	1030	4,180	6.09
Feb. 28	0515	4,950	6.55	June 6	1915	a*10,900	*9.93

a From rating curve extended as explained above.

Minimum discharge, 21 ft^3/s, July 12, gage height, 2.13 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	14
2	---	---	---	---	---	---	---	---	---	---	---	12
3	---	---	---	---	---	---	---	---	---	---	---	10
4	---	---	---	---	---	---	---	---	---	---	---	8.9
5	---	---	---	---	---	---	---	---	---	---	---	8.0
6	---	---	---	---	---	---	---	---	---	---	---	14
7	---	---	---	---	---	---	---	---	---	---	---	30
8	---	---	---	---	---	---	---	---	---	---	---	161
9	---	---	---	---	---	---	---	---	---	---	---	88
10	---	---	---	---	---	---	---	---	---	---	---	76
11	---	---	---	---	---	---	---	---	---	---	---	76
12	---	---	---	---	---	---	---	---	---	---	---	54
13	---	---	---	---	---	---	---	---	---	---	---	41
14	---	---	---	---	---	---	---	---	---	---	---	33
15	---	---	---	---	---	---	---	---	---	---	---	30
16	---	---	---	---	---	---	---	---	---	---	---	4120
17	---	---	---	---	---	---	---	---	---	---	---	6870
18	---	---	---	---	---	---	---	---	---	---	12	948
19	---	---	---	---	---	---	---	---	---	---	9.2	410
20	---	---	---	---	---	---	---	---	---	---	7.9	268
21	---	---	---	---	---	---	---	---	---	---	17	248
22	---	---	---	---	---	---	---	---	---	---	25	312
23	---	---	---	---	---	---	---	---	---	---	18	288
24	---	---	---	---	---	---	---	---	---	---	13	209
25	---	---	---	---	---	---	---	---	---	---	10	164
26	---	---	---	---	---	---	---	---	---	---	11	136
27	---	---	---	---	---	---	---	---	---	---	51	115
28	---	---	---	---	---	---	---	---	---	---	41	101
29	---	---	---	---	---	---	---	---	---	---	26	95
30	---	---	---	---	---	---	---	---	---	---	20	308
31	---	---	---	---	---	---	---	---	---	---	17	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	15247.9
MEAN	---	---	---	---	---	---	---	---	---	---	---	508
MAX	---	---	---	---	---	---	---	---	---	---	---	6870
MIN	---	---	---	---	---	---	---	---	---	---	---	8.0
CFSM	---	---	---	---	---	---	---	---	---	---	---	5.25
IN.	---	---	---	---	---	---	---	---	---	---	---	5.86

01349705 SCHOHARIE CREEK NEAR LEXINGTON, NY--Continued

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	276	101	206	e90	e64	589	301	202	123	110	125	28
2	189	887	183	97	e58	495	261	190	173	91	112	55
3	154	2700	174	120	e54	356	288	173	259	84	94	92
4	349	668	178	141	e50	280	769	153	148	110	86	76
5	337	400	161	171	e48	250	593	142	136	84	68	60
6	251	304	173	98	e46	215	385	145	3910	68	59	45
7	206	245	174	e90	e44	198	308	130	4640	58	62	38
8	176	204	142	e84	e42	240	277	117	1000	51	55	33
9	186	185	130	e90	e40	399	420	111	500	46	47	31
10	183	171	128	150	e42	747	327	155	335	43	43	31
11	198	155	122	391	e45	669	285	271	300	38	41	28
12	163	132	104	218	e49	1950	311	220	911	27	329	29
13	144	128	107	166	e56	767	286	710	625	29	242	260
14	172	119	110	99	e120	464	272	943	612	28	155	137
15	157	105	182	e92	e540	357	268	421	400	662	181	105
16	137	87	253	e86	e300	323	249	306	303	1350	166	85
17	125	81	197	e82	e160	1110	241	245	244	399	127	67
18	125	79	147	e76	e100	411	368	240	217	227	101	55
19	105	72	120	e72	e96	388	295	420	222	156	87	49
20	124	78	128	e68	e92	328	256	442	187	122	74	53
21	143	76	496	e64	e90	288	388	339	155	99	64	47
22	125	72	283	e62	e90	256	1360	286	238	84	56	39
23	282	68	e210	e60	e100	230	896	286	165	72	53	35
24	249	66	e150	e60	e220	211	586	418	129	61	73	33
25	197	72	e120	e66	e700	200	412	452	118	54	57	31
26	171	126	e110	e74	e800	232	331	331	159	49	47	30
27	153	1560	e100	e66	e1700	200	307	259	150	99	41	31
28	138	544	e98	e56	3210	1960	331	218	122	115	38	29
29	128	330	e96	e52	1050	901	269	190	152	109	34	26
30	118	251	e92	e52	---	501	231	164	159	165	31	24
31	109	---	e90	e70	---	372	---	141	---	133	30	---
TOTAL	5570	10066	4964	3163	10006	15887	11871	8820	16792	4823	2778	1682
MEAN	180	336	160	102	345	512	396	285	560	156	89.6	56.1
MAX	349	2700	496	391	3210	1960	1360	943	4640	1350	329	260
MIN	105	66	90	52	40	198	231	111	118	27	30	24
CFSM	1.86	3.47	1.65	1.05	3.56	5.29	4.09	2.94	5.78	1.61	.93	.58
IN.	2.14	3.87	1.91	1.22	3.85	6.11	4.56	3.39	6.45	1.85	1.07	.65

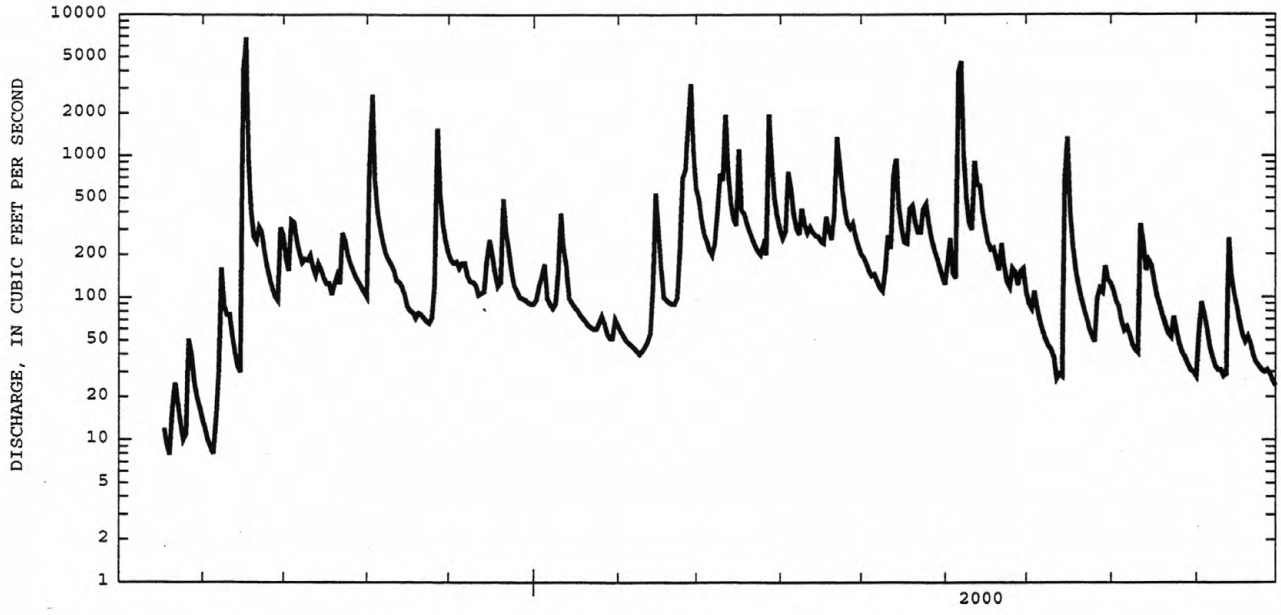
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	180	336	160	102	345	512	396	285	560	156	89.6	282
MAX	180	336	160	102	345	512	396	285	560	156	89.6	508
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999
MIN	180	336	160	102	345	512	396	285	560	156	89.6	56.1
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	96422			
ANNUAL MEAN	263		263	
HIGHEST ANNUAL MEAN			263	2000
LOWEST ANNUAL MEAN			263	2000
HIGHEST DAILY MEAN	4640	Jun 7	6870	Sep 17 1999
LOWEST DAILY MEAN	24	Sep 30	7.9	Aug 20 1999
ANNUAL SEVEN-DAY MINIMUM	29	Sep 24	12	Aug 31 1999
ANNUAL RUNOFF (CFSM)	2.72		2.72	
ANNUAL RUNOFF (INCHES)	37.05		36.98	
10 PERCENT EXCEEDS	497		492	
50 PERCENT EXCEEDS	149		138	
90 PERCENT EXCEEDS	47		35	

e Estimated

01349705 SCHOHARIE CREEK NEAR LEXINGTON, NY--Continued



DAILY MEAN DISCHARGE - AUGUST 1999 TO SEPTEMBER 2000.

01349711 WEST KILL BELOW HUNTER BROOK NEAR SPRUCETON, NY

LOCATION.--Lat 42°11'06", long 74°16'38", Greene County, Hydrologic Unit 02020005, on left bank 6 ft upstream from bridge on Spruceton Road, and 6.4 mi east of West Kill.
DRAINAGE AREA.--4.97 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,070 ft above sea level, from topographic map.
REMARKS.--Records good except those above 60 ft^3/s, which are fair, and those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080 ft^3/s, Sept. 16, 1999, gage height, 4.32 ft, from rating curve extended above 300 ft^3/s; minimum discharge, 0.45 ft^3/s, Sept. 19, 20-21, 22, 30, Oct. 1, 2, 3-6, 7, 8, 1998, Aug. 18, 19, 20, 25, 26, 1999; minimum gage height, 0.65 ft, Sept. 19, 20-21, 22, 30, Oct. 1, 2, 3-6, 7, 8, 1998.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2145	236	2.42	Mar. 28	0930	128	2.06
Feb. 28	0330	192	2.29	June 6	2315	*372	*2.74
Mar. 12	0615	114	2.00				

Minimum discharge, 2.9 ft^3/s, Feb. 12, 13, gage height, 0.70 ft.

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

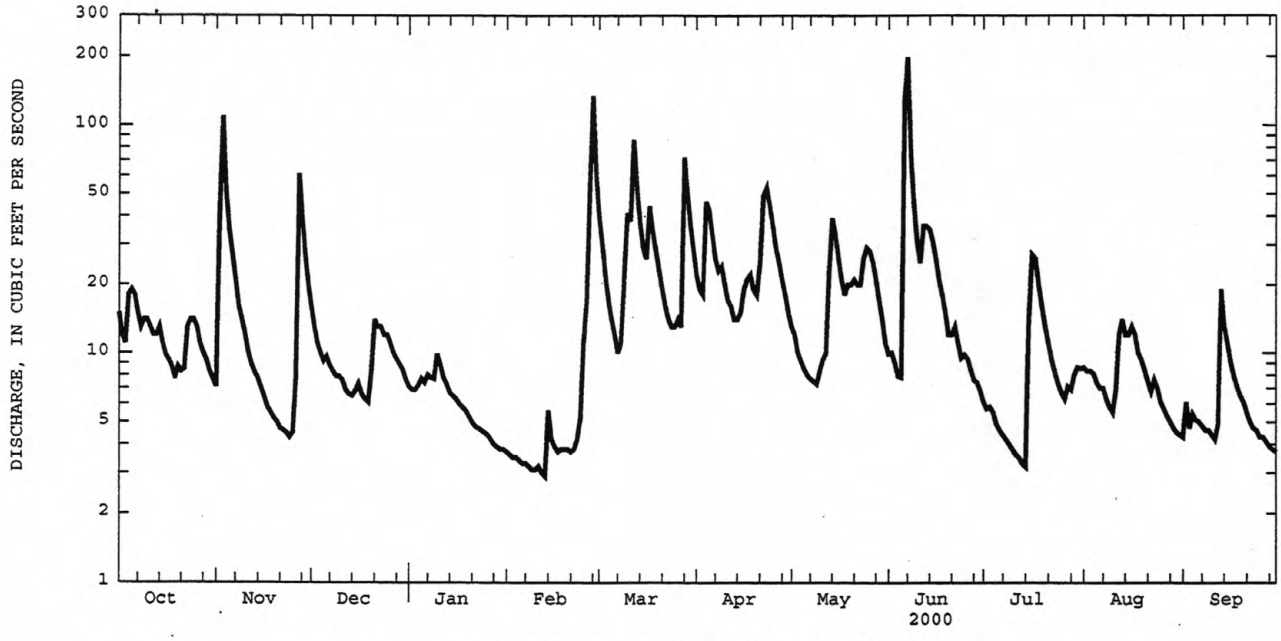
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e15	7.1	16	7.1	3.7	39	22	13	9.9	6.1	8.6	4.3
2	12	43	13	6.9	3.6	30	19	12	10	5.7	8.3	6.1
3	11	109	11	6.9	3.5	22	18	10	9.0	5.8	8.3	4.7
4	18	50	10	e7.2	3.5	17	46	9.2	7.9	5.5	8.1	5.4
5	19	35	9.2	e7.7	3.4	14	42	8.5	7.8	4.9	7.4	5.1
6	18	27	9.6	e7.4	3.3	12	33	8.0	128	4.6	7.0	5.0
7	15	21	8.8	8.0	3.3	10	26	7.7	197	4.4	7.0	4.8
8	13	16	8.3	7.8	3.2	11	23	7.5	73	4.2	6.3	4.6
9	14	14	7.9	7.7	3.1	21	24	7.3	44	4.0	5.8	4.6
10	14	12	7.9	9.9	3.1	41	20	8.3	31	3.8	5.5	4.4
11	13	10	7.6	8.9	3.2	38	17	9.3	25	3.6	6.9	4.2
12	12	8.9	6.9	7.8	3.0	86	16	10	36	3.5	12	4.9
13	12	8.2	6.6	e7.3	2.9	53	14	23	36	3.3	14	19
14	13	7.7	6.5	6.7	5.6	37	14	39	35	3.2	12	13
15	11	7.0	6.8	e6.5	4.2	29	15	33	31	14	12	11
16	9.8	6.4	7.3	e6.3	3.9	26	19	26	26	27	13	9.1
17	9.3	5.8	6.6	e6.0	3.7	44	21	21	21	26	12	7.9
18	8.7	5.5	6.3	e5.8	3.8	34	22	18	18	20	10	7.1
19	7.7	5.2	6.1	e5.6	3.8	28	19	20	15	16	9.3	6.5
20	8.7	5.0	8.3	e5.3	3.8	23	18	20	12	13	8.4	6.1
21	8.3	4.7	e14	e5.0	3.7	19	25	21	12	11	7.5	5.5
22	8.5	4.6	e13	e4.8	3.8	16	49	20	13	9.3	6.8	5.0
23	13	4.5	e13	4.7	4.2	14	53	20	11	8.2	7.6	4.7
24	14	4.3	e12	4.6	5.2	13	44	26	9.5	7.3	7.0	4.6
25	14	4.5	e12	4.5	11	13	36	29	9.8	6.7	6.1	4.3
26	13	7.6	e11	4.4	17	14	29	28	9.4	6.3	5.7	4.3
27	11	61	e10	4.2	56	13	25	25	8.4	7.1	5.3	4.1
28	10	40	e9.4	4.0	134	72	21	21	7.6	6.9	5.0	3.9
29	9.3	27	8.9	3.9	60	50	18	17	7.4	8.0	4.7	3.8
30	8.3	20	8.4	3.8	---	36	15	14	6.8	8.6	4.5	3.7
31	7.7	---	7.6	e3.8	---	28	---	11	---	8.5	4.4	---
TOTAL	371.3	582.0	290.0	190.5	366.5	903	763	542.8	867.5	266.5	246.5	181.7
MEAN	12.0	19.4	9.35	6.15	12.6	29.1	25.4	17.5	28.9	8.60	7.95	6.06
MAX	19	109	16	9.9	134	86	53	39	197	27	14	19
MIN	7.7	4.3	6.1	3.8	2.9	10	14	7.3	6.8	3.2	4.4	3.7
CFSM	2.41	3.90	1.88	1.24	2.54	5.86	5.12	3.52	5.82	1.73	1.60	1.22
IN.	2.78	4.36	2.17	1.43	2.74	6.76	5.71	4.06	6.49	1.99	1.85	1.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	7.55	14.8	6.86	19.9	11.1	26.8	22.4	24.0	21.0	8.21	3.33	13.7
MAX	12.0	20.2	9.35	28.3	14.8	29.1	25.4	37.6	29.7	10.2	7.95	34.4
(WY)	2000	1998	2000	1998	1999	2000	2000	1998	1998	1998	2000	1999
MIN	3.60	4.79	4.45	6.15	5.75	23.3	17.4	16.9	4.36	5.83	.88	.60
(WY)	1998	1999	1999	2000	1998	1999	1999	1999	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	5582.32		5571.3			
ANNUAL MEAN	15.3		15.2		15.0	
HIGHEST ANNUAL MEAN					16.4	1998
LOWEST ANNUAL MEAN					13.3	1999
HIGHEST DAILY MEAN	360	Sep 16	197	Jun 7	360	Sep 16 1999
LOWEST DAILY MEAN	.47	Aug 19	2.9	Feb 13	.45	Sep 20 1998
ANNUAL SEVEN-DAY MINIMUM	.57	Aug 14	3.1	Feb 7	.46	Oct 1 1998
ANNUAL RUNOFF (CFSM)	3.08		3.06		3.01	
ANNUAL RUNOFF (INCHES)	41.78		41.70		40.91	
10 PERCENT EXCEEDS	28		32		30	
50 PERCENT EXCEEDS	9.8		9.3		8.4	
90 PERCENT EXCEEDS	1.2		4.2		1.6	

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01349810 WEST KILL NEAR WEST KILL, NY

LOCATION.--Lat 42°13'49", long 74°23'36", Greene County, Hydrologic Unit 02020005, on right bank about 400 ft upstream from Beech Ridge Brook, 0.3 mi upstream from State Highway 42 bridge, and 1.4 mi north of West Kill.
DRAINAGE AREA.--27.0 mi^2.
PERIOD OF RECORD.--Occassional miscellaneous discharge measurements, water years 1953, 1956, 1987, and 1996. Annual maximum gage heights only, water years 1965-69. October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,440 ft above 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, 6,330 ft^3/s, Sept. 16, 1999, gage height, 10.86 ft, from rating curve extended above 1,380 ft^3/s on basis of contracted-opening measurements at gage heights 10.86 ft and 11.06 ft; minimum discharge, 1.8 ft^3/s, Sept. 13, 14, 15, 20, 21, 22, 1998; minimum gage height, 1.06 ft, Sept. 12, 2000.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 6,500 ft^3/s, Jan. 19, 1996, gage height, 11.06 ft, from floodmarks, on basis of contracted-opening measurement of peak flow.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum(*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2215	1,160	3.99	Mar. 28	0930	537	2.88
Feb. 28	0400	1,140	3.95	June 7	0100	*1,650	*4.75

Minimum discharge, 7.3 ft^3/s, Sept. 12, gage height, 1.06 ft.

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	100	28	89	29	e18	203	99	67	38	38	36	10
2	82	172	79	30	e16	160	86	63	43	33	33	15
3	75	457	71	30	e15	118	89	55	42	34	31	12
4	123	224	67	34	e14	95	172	50	32	36	30	15
5	88	148	60	37	e13	82	162	46	31	29	26	14
6	69	112	66	e30	e13	70	131	43	536	25	24	11
7	61	92	59	e29	e12	63	109	39	875	23	25	10
8	53	78	54	e28	e12	67	96	37	327	20	21	9.4
9	58	69	50	e27	e11	93	124	35	186	19	18	9.1
10	55	62	49	40	e12	168	97	49	125	17	17	8.8
11	54	57	48	57	e13	181	87	58	99	16	17	7.9
12	48	51	43	43	e16	361	93	56	185	14	32	10
13	45	47	41	e38	e22	230	82	117	161	13	31	56
14	53	44	42	e35	e30	164	78	157	156	12	30	34
15	45	41	48	e33	45	127	77	120	133	77	35	34
16	41	41	52	e32	e32	106	81	97	109	143	41	28
17	38	42	46	e30	e30	214	86	77	89	135	36	25
18	36	38	43	e28	e28	145	104	70	81	85	33	22
19	35	35	40	e27	e26	123	89	95	73	61	30	21
20	40	34	44	e26	25	106	84	95	59	50	26	21
21	38	32	82	e25	24	91	114	90	53	41	23	18
22	37	30	70	e24	e26	81	228	86	71	35	21	16
23	66	29	e60	e23	30	72	241	85	53	30	22	15
24	59	27	e54	e23	52	65	198	110	45	26	23	14
25	56	29	e50	e24	123	62	153	118	43	24	19	13
26	52	41	e46	e27	199	67	123	102	51	22	17	13
27	49	238	e43	e23	420	62	107	86	41	27	15	12
28	45	155	e40	e20	731	282	101	73	37	32	13	11
29	41	124	38	e18	319	206	84	62	55	34	12	10
30	36	104	e35	e17	---	154	74	52	48	39	11	9.5
31	30	---	e32	e20	---	121	---	44	---	38	11	---
TOTAL	1708	2681	1641	907	2327	4139	3449	2334	3877	1228	759	504.7
MEAN	55.1	89.4	52.9	29.3	80.2	134	115	75.3	129	39.6	24.5	16.8
MAX	123	457	89	57	731	361	241	157	875	143	41	56
MIN	30	27	32	17	11	62	74	35	31	12	11	7.9
CFSM	2.04	3.31	1.96	1.08	2.97	4.95	4.26	2.79	4.79	1.47	.91	.62
IN.	2.35	3.69	2.26	1.25	3.21	5.70	4.75	3.22	5.34	1.69	1.05	.70

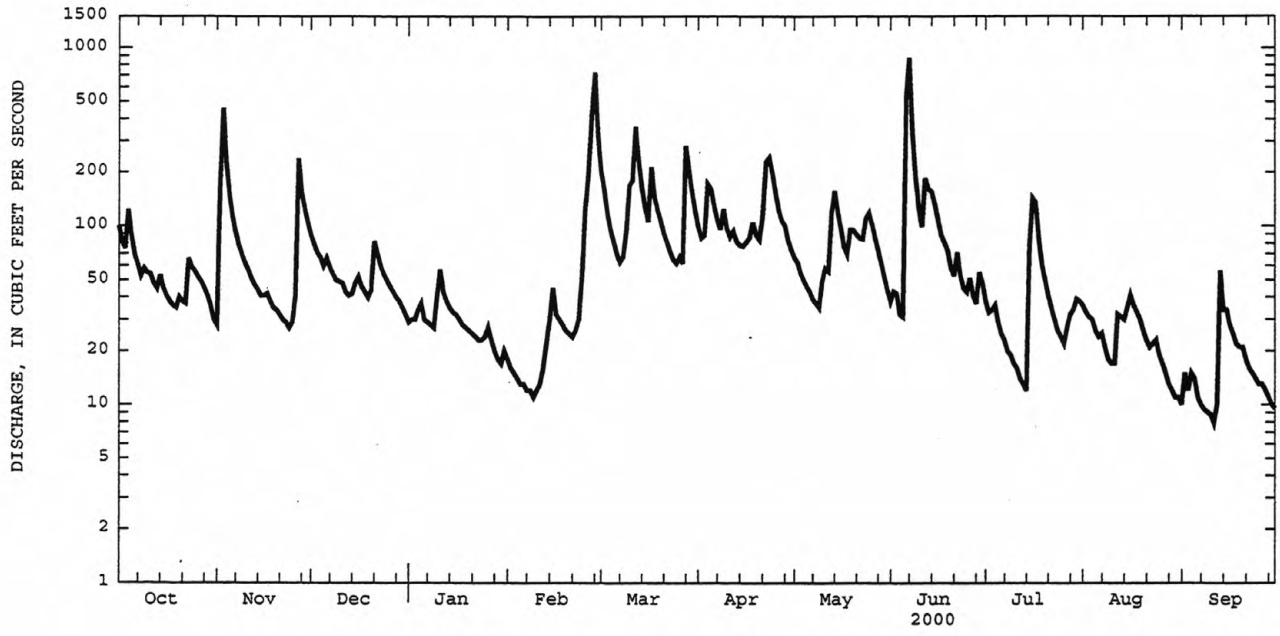
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	27.8	62.3	35.5	102	59.8	136	106	97.3	90.6	40.9	11.0	54.5
MAX	55.1	89.4	52.9	139	80.2	161	115	155	129	49.1	24.5	144
(WY)	2000	2000	2000	1999	2000	1998	2000	1998	2000	1998	2000	1999
MIN	8.46	17.7	17.2	29.3	43.9	115	91.2	61.2	14.3	34.0	3.82	2.41
(WY)	1998	1999	1999	2000	1998	1999	1999	1999	1999	1999	1998	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	25992.0		25554.7			
ANNUAL MEAN	71.2		69.8		68.6	
HIGHEST ANNUAL MEAN					76.6	1998
LOWEST ANNUAL MEAN					59.3	1999
HIGHEST DAILY MEAN	1450	Sep 17	875	Jun 7	1450	Sep 17 1999
LOWEST DAILY MEAN	2.5	Aug 19	7.9	Sep 11	1.8	Sep 21 1998
ANNUAL SEVEN-DAY MINIMUM	3.0	Aug 14	9.5	Sep 6	2.1	Sep 9 1998
ANNUAL RUNOFF (CFSM)	2.64		2.59		2.54	
ANNUAL RUNOFF (INCHES)	35.81		35.21		34.51	
10 PERCENT EXCEEDS	126		144		140	
50 PERCENT EXCEEDS	47		44		41	
90 PERCENT EXCEEDS	5.5		15		5.7	

e Estimated

01349810 WEST KILL NEAR WEST KILL, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01349840 BATAVIA KILL NEAR MAPLECREST, NY

LOCATION.--Lat 42°17'22", long 74°06'59", Greene County, Hydrologic Unit 02020005, on left bank off County Route 56, 4.1 mi northeast of Maplecrest.
DRAINAGE AREA.--2.03 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,160 ft above sea level, from topographic map.
REMARKS.--Records good except those above 150 ft^3/s and those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 800 ft^3/s, Sept. 16, 1999, gage height, 6.12 ft, from rating curve extended above 80 ft^3/s on basis of step-backwater analysis of peak flow; minimum recorded discharge, 0.24 ft^3/s, Sept. 6, 1998; minimum gage height, 1.18 ft, July 14, 2000.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 600 ft^3/s, Jan. 19, 1996, gage height, about 6.0 ft, from floodmark, from rating curve extended as explained above.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 70 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2130	141	3.64	Mar. 28	0830	91	3.25
Feb. 28	0430	76	3.11	June 6	2315	a*351	*4.72

a From rating curve extended as explained above.

Minimum discharge, 1.0 ft^3/s, July 14, Sept. 30; minimum gage height, 1.18 ft, July 14.

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

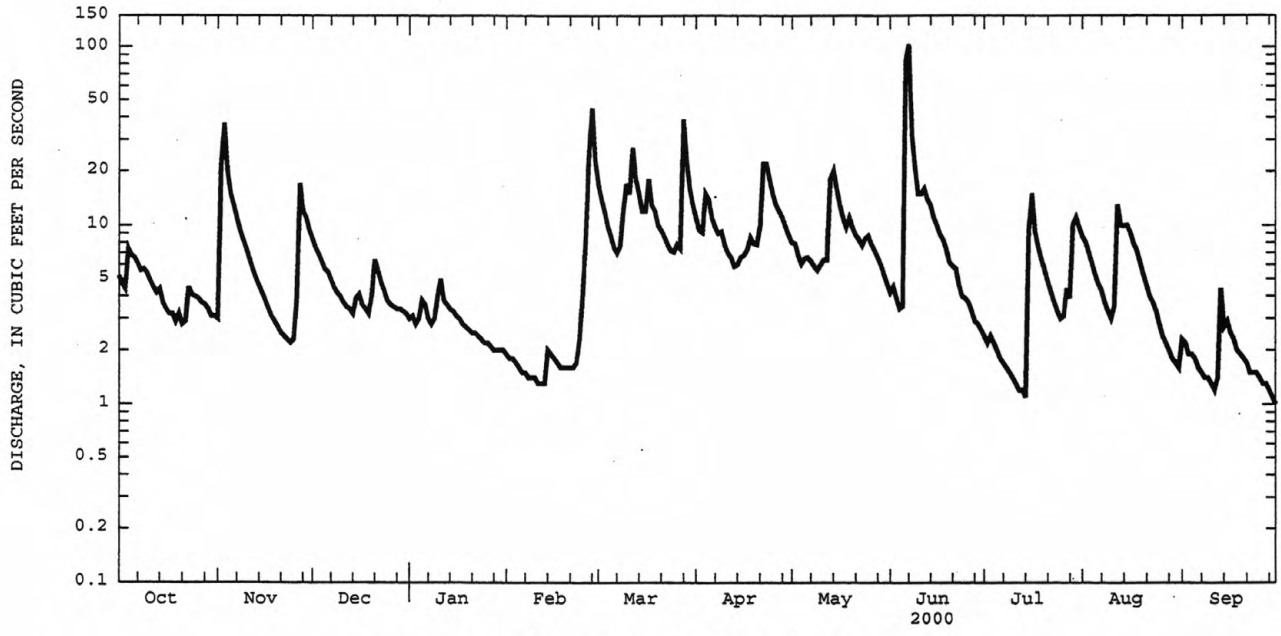
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	3.0	8.4	e3.0	e1.9	17	11	8.0	4.2	2.4	e8.6	2.3
2	4.7	21	7.5	e3.1	e1.8	14	9.4	7.9	4.5	2.2	e8.0	2.2
3	4.4	37	6.9	e2.8	e1.8	12	9.1	6.8	3.9	2.4	7.0	1.9
4	7.4	20	6.3	e3.0	e1.7	9.9	15	6.1	3.4	2.2	6.1	1.9
5	6.8	15	5.7	3.8	e1.6	8.7	14	6.5	3.5	2.0	5.3	1.8
6	6.6	13	5.5	3.6	e1.5	7.5	11	6.6	84	1.8	4.7	1.6
7	6.1	11	5.0	e3.0	e1.5	7.0	9.8	6.3	103	1.7	4.3	1.5
8	5.6	9.4	4.5	e2.8	e1.4	7.6	9.0	5.9	32	1.6	3.7	1.4
9	5.7	8.3	4.2	e3.0	e1.4	12	9.2	5.6	21	1.5	3.3	1.4
10	5.4	7.4	4.0	e4.0	e1.4	17	7.8	6.0	15	1.4	3.0	1.3
11	4.9	6.5	3.7	5.0	e1.3	15	7.0	6.4	15	1.3	3.5	1.2
12	4.5	5.7	3.5	e3.8	e1.3	27	6.6	6.4	16	1.2	13	1.4
13	4.2	5.1	3.4	e3.6	e1.3	18	5.9	18	14	1.2	10	4.4
14	4.4	4.6	3.2	e3.4	e2.0	15	6.0	20	13	1.1	9.9	2.7
15	3.7	4.2	3.9	e3.3	e1.9	12	6.6	16	11	9.3	10	2.9
16	3.4	3.8	4.1	e3.1	e1.8	12	6.8	13	10	15	9.1	2.5
17	3.2	3.4	3.6	e3.0	e1.7	18	7.3	11	8.9	9.1	7.9	2.3
18	3.2	3.1	3.4	e2.8	e1.6	13	8.5	9.8	8.3	7.5	7.2	2.0
19	2.9	2.9	3.2	e2.7	e1.6	12	7.9	11	7.3	6.4	6.2	1.9
20	3.2	2.7	4.0	e2.6	e1.6	10	7.8	9.7	6.2	5.6	5.3	1.8
21	2.8	2.5	6.4	e2.5	e1.6	9.4	10	8.8	5.9	4.8	4.6	1.7
22	2.9	2.4	5.6	e2.5	e1.6	8.6	22	8.3	5.7	4.2	4.0	1.5
23	4.5	2.3	e4.8	e2.4	e1.7	7.8	22	7.7	4.6	3.7	3.7	1.5
24	4.1	2.2	e4.3	e2.3	e2.3	7.2	18	8.4	4.0	3.3	3.3	1.5
25	4.0	2.3	e3.8	e2.2	e4.0	7.1	15	8.7	3.9	3.0	2.8	1.4
26	3.9	3.9	e3.6	e2.2	8.5	7.8	13	7.8	3.7	3.1	2.4	1.3
27	3.7	17	e3.5	e2.1	26	7.4	12	7.2	3.3	4.4	2.2	1.3
28	3.6	12	e3.4	e2.0	45	39	11	6.6	2.9	3.9	2.0	1.2
29	3.4	11	e3.4	e2.0	23	23	9.8	6.0	2.8	10	1.8	1.1
30	3.1	9.4	e3.3	e2.0	---	16	8.8	5.3	2.6	11	1.7	1.0
31	3.1	---	e3.2	e2.0	---	13	---	4.7	---	9.7	1.6	---
TOTAL	134.6	252.1	139.3	89.6	145.8	411.0	317.3	266.5	423.6	138.0	166.2	53.9
MEAN	4.34	8.40	4.49	2.89	5.03	13.3	10.6	8.60	14.1	4.45	5.36	1.80
MAX	7.4	37	8.4	5.0	45	39	22	20	103	15	13	4.4
MIN	2.8	2.2	3.2	2.0	1.3	7.0	5.9	4.7	2.6	1.1	1.6	1.0
CFSM	2.14	4.14	2.21	1.42	2.48	6.53	5.21	4.23	6.96	2.19	2.64	.89
IN.	2.47	4.62	2.55	1.64	2.67	7.53	5.81	4.88	7.76	2.53	3.05	.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	2.28	7.95	2.80	8.66	3.78	12.0	9.77	11.4	9.12	2.64	2.10	6.05
MAX	4.34	14.3	4.49	11.8	5.03	13.3	10.6	19.4	14.1	4.45	5.36	16.0
(WY)	2000	1998	2000	1999	2000	2000	2000	1998	2000	2000	2000	1999
MIN	1.07	1.13	1.14	2.89	2.06	9.94	8.80	6.11	1.73	.92	.44	.34
(WY)	1998	1999	1999	2000	1998	1999	1999	1999	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	2346.60		2537.9			
ANNUAL MEAN	6.43		6.93		6.54	
HIGHEST ANNUAL MEAN					7.39	1998
LOWEST ANNUAL MEAN					5.30	1999
HIGHEST DAILY MEAN	207	Sep 16	103	Jun 7	207	Sep 16 1999
LOWEST DAILY MEAN	.30	Aug 20	1.0	Sep 30	.26	Sep 14 1998
ANNUAL SEVEN-DAY MINIMUM	.34	Aug 8	1.3	Sep 24	.30	Sep 9 1998
ANNUAL RUNOFF (CFSM)	3.17		3.42		3.22	
ANNUAL RUNOFF (INCHES)	43.00		46.51		43.78	
10 PERCENT EXCEEDS	11		14		14	
50 PERCENT EXCEEDS	4.0		4.4		3.4	
90 PERCENT EXCEEDS	.52		1.6		.66	

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

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 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1955-61, 1964, 1987. August 1991 to current year.
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 fair except those for estimated daily discharges, which are poor. Flow regulated to some extent at high flows by three flood-retardation reservoirs, combined drainage area of 19.2 mi^2. Seasonal diversion for snowmaking by Ski Windham ski area at Windham.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft^3/s, Sept. 16, 1999, gage height, 15.6 ft, from floodmark, from rating curve extended above 2,200 ft^3/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 ft^3/s, Apr. 4, 1987, gage height, 14.82 ft, from floodmarks, from rating curve extended above 2,200 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, about 4,800 ft^3/s, June 7, gage height, about 12.7 ft, from reconstructed graph, from rating curve extended as explained above; minimum discharge, 4.4 ft^3/s, Sept. 11, gage height, 4.74 ft.

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	128	47	90	e28	e23	339	213	139	71	52	32	11
2	86	145	78	30	e19	310	180	129	63	42	28	11
3	67	713	85	43	e18	233	174	120	80	39	24	15
4	98	289	91	81	e17	183	239	108	75	54	25	17
5	149	205	86	80	e16	166	286	99	64	46	21	17
6	121	165	91	38	e16	143	227	129	677	59	18	14
7	99	135	85	36	e15	130	187	111	e2000	30	18	12
8	84	113	69	31	e15	151	164	96	740	22	17	11
9	87	103	64	33	e15	188	220	86	376	19	15	9.9
10	95	94	62	48	e15	263	221	87	197	18	16	10
11	104	90	59	112	e16	228	190	139	198	16	17	9.2
12	85	74	48	68	e17	504	185	124	351	14	171	8.7
13	72	72	53	50	e20	347	182	183	262	12	133	73
14	90	65	54	e47	55	247	182	309	285	11	74	37
15	96	58	81	e45	116	203	182	286	187	32	106	28
16	77	48	103	e42	73	178	168	231	143	182	103	26
17	68	41	80	e39	51	398	155	187	116	109	72	21
18	66	39	58	e36	e45	266	218	157	111	59	51	17
19	62	40	46	e33	e40	217	208	159	123	43	43	15
20	63	39	47	e32	36	193	173	189	92	36	36	14
21	74	38	114	e32	32	173	168	177	78	30	30	13
22	66	35	81	e31	33	155	347	158	142	26	26	11
23	105	34	59	e28	41	139	409	148	84	23	23	10
24	122	32	e45	e27	81	127	345	141	65	20	25	10
25	96	34	e37	e27	218	116	256	152	56	18	21	9.8
26	83	50	e35	e30	329	149	207	153	65	17	18	9.6
27	72	311	e32	e27	657	125	194	133	64	20	16	9.8
28	65	190	e30	e25	1130	279	225	116	51	22	15	9.3
29	61	133	e29	e23	505	403	192	104	58	22	14	8.3
30	56	107	e29	23	---	337	161	93	83	42	13	7.7
31	51	---	e28	e27	---	263	---	82	---	36	12	---
TOTAL	2648	3539	1949	1252	3664	7153	6458	4525	6957	1171	1233	475.3
MEAN	85.4	118	62.9	40.4	126	231	215	146	232	37.8	39.8	15.8
MAX	149	713	114	112	1130	504	409	309	2000	182	171	73
MIN	51	32	28	23	15	116	155	82	51	11	12	7.7

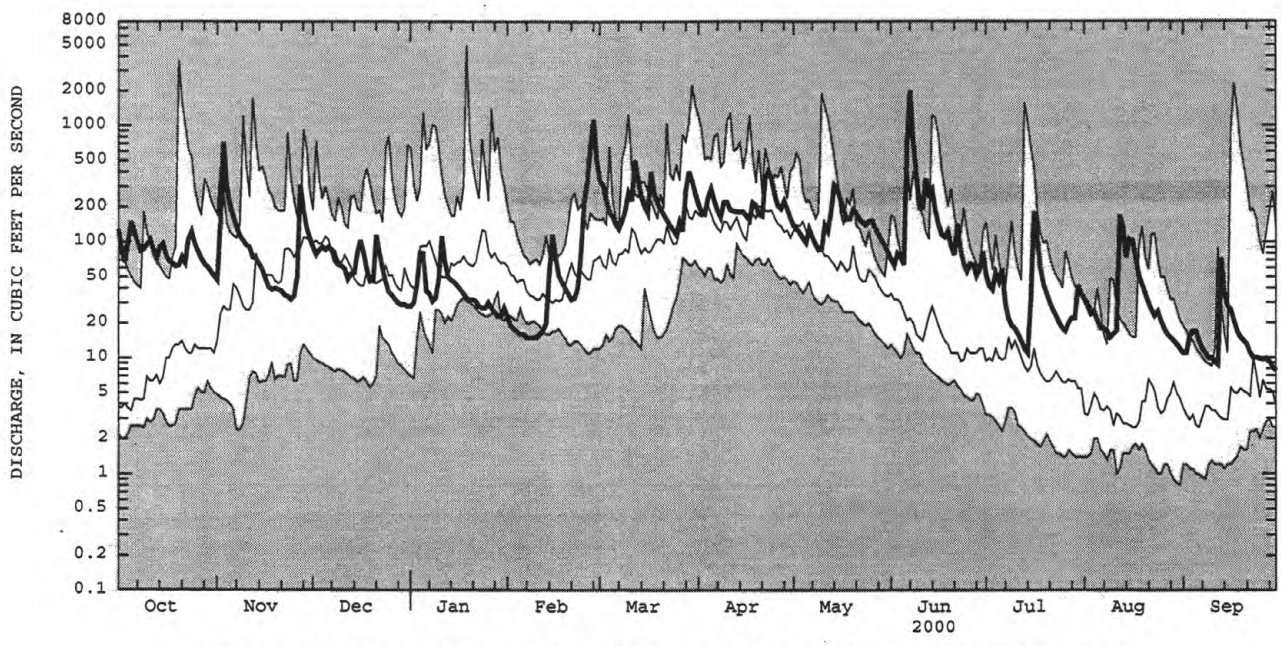
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	69.4	105	89.7	142	63.8	167	220	116	73.7	33.1	12.0	41.2
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	40.4	23.2	86.7	64.5	29.4	8.34	2.44	1.80	2.19
(WY)	1994	1999	1999	2000	1993	1997	1995	1995	1993	1993	1993	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	31866.7		41024.3			
ANNUAL MEAN	87.3		112		94.9	
HIGHEST ANNUAL MEAN					147	1996
LOWEST ANNUAL MEAN					53.3	1995
HIGHEST DAILY MEAN	2300	Sep 17	2000	Jun 7	5000	Jan 19 1996
LOWEST DAILY MEAN	1.0	Aug 11	7.7	Sep 30	.80	Aug 31 1995
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 10	9.2	Sep 24	.99	Aug 25 1995
10 PERCENT EXCEEDS	166		229		200	
50 PERCENT EXCEEDS	58		70		38	
90 PERCENT EXCEEDS	3.5		16		3.3	

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.

01349950 BATAVIA KILL AT RED FALLS NEAR PRATTSVILLE, NY

LOCATION.--Lat 42°18'30", long 74°23'25", Greene County, Hydrologic Unit 02020005, on right bank 200 ft southwest of State Highway 23 at Red Falls, 1.9 mi upstream from mouth, and 2.2 mi southeast of Prattsville.
DRAINAGE AREA.--68.6 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,260 ft above 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 mi^2. Seasonal diversion for snowmaking by Ski Windam ski area at Windham. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft^3/s, Sept. 17, 1999, gage height, 10.08 ft, outside gage height, about 11.5 ft, from floodmark, from rating curve extended above 2,600 ft^3/s on basis of step-backwater analysis of peak flow; minimum discharge, 1.8 ft^3/s, Aug. 12, 13, 1999, gage height, 1.48 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 19, 1996, reached a stage of about 11.4 ft, from floodmark, discharge, 16,400 ft^3/s, on basis of step-backwater analysis of peak flow.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,750 ft^3/s, June 7, gage height, 6.68 ft, from rating curve extended as explained above; minimum discharge, 10 ft^3/s, Sept. 30; minimum gage height, 1.75 ft, Sept. 12.

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	134	70	116	e45	e45	450	215	168	89	81	44	17
2	97	103	105	e46	e40	395	191	158	93	67	39	17
3	82	930	108	e60	e37	295	259	146	131	61	34	20
4	127	313	116	e100	e35	236	421	131	90	82	33	27
5	148	218	112	e80	e32	209	350	121	82	65	29	27
6	123	179	114	e60	e30	181	261	162	1100	80	25	22
7	105	153	113	e52	e29	168	222	127	2590	52	27	19
8	94	132	97	e50	e28	193	203	112	1070	37	25	17
9	101	124	91	e58	e28	231	325	101	498	32	21	16
10	106	117	89	71	e28	310	258	115	268	30	24	16
11	112	113	88	142	e28	313	227	182	254	26	24	15
12	95	98	77	103	e30	761	238	148	448	23	167	15
13	86	95	80	89	e45	420	225	476	329	20	158	98
14	110	90	81	e84	e100	308	228	496	358	19	99	57
15	104	84	102	e78	e200	258	227	283	253	33	130	47
16	90	74	127	e72	e140	235	204	225	200	212	130	40
17	84	67	108	e68	e110	631	196	187	166	139	100	34
18	84	62	89	e64	e90	335	319	178	158	85	76	28
19	78	64	76	e60	e80	280	243	245	174	63	65	25
20	83	63	73	e56	e74	251	209	253	136	52	55	22
21	88	62	129	e54	e70	224	248	202	118	44	47	19
22	82	59	109	e50	e66	201	602	184	192	38	41	16
23	128	57	89	e48	e70	181	512	185	126	33	37	15
24	127	55	e80	e45	e150	165	393	186	100	29	40	14
25	105	57	e70	e50	e400	154	298	225	88	27	35	14
26	95	73	e64	e56	e700	190	251	183	99	24	30	13
27	87	328	e58	e50	936	157	253	153	98	29	27	14
28	83	213	e52	e45	1740	766	288	136	81	32	24	12
29	80	155	e50	e41	732	461	226	125	80	33	22	11
30	76	131	e48	e40	---	311	192	112	122	55	20	10
31	73	---	e46	e50	---	253	---	99	---	51	19	---
TOTAL	3067	4339	2757	1967	6093	9523	8284	5804	9591	1654	1647	717
MEAN	98.9	145	88.9	63.5	210	307	276	187	320	53.4	53.1	23.9
MAX	148	930	129	142	1740	766	602	496	2590	212	167	98
MIN	73	55	46	40	28	154	191	99	80	19	19	10

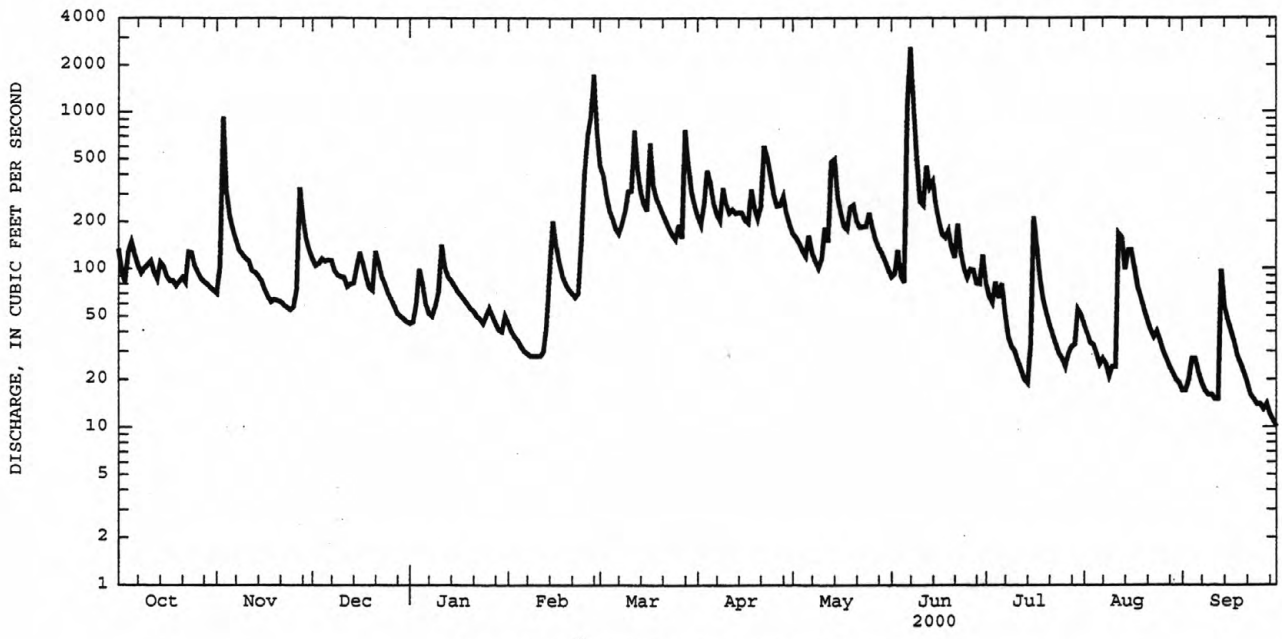
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	38.6	110	63.8	201	133	302	233	224	206	44.8	21.7	113
MAX	98.9	178	91.3	296	210	360	276	403	320	56.0	53.1	309
(WY)	2000	1998	1998	1998	2000	1998	2000	1998	2000	1998	2000	1999
MIN	6.56	6.92	11.3	63.5	83.7	239	148	82.5	18.5	25.1	5.53	4.62
(WY)	1998	1999	1999	2000	1998	1999	1999	1999	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	45751.7		55443			
ANNUAL MEAN	125		151		141	
HIGHEST ANNUAL MEAN					171	1998
LOWEST ANNUAL MEAN					99.9	1999
HIGHEST DAILY MEAN	4290	Sep 17	2590	Jun 7	4290	Sep 17 1999
LOWEST DAILY MEAN	1.9	Aug 13	10	Sep 30	1.9	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	2.6	Aug 11	13	Sep 24	2.6	Aug 11 1999
10 PERCENT EXCEEDS	218		301		285	
50 PERCENT EXCEEDS	86		94		78	
90 PERCENT EXCEEDS	5.9		27		5.7	

e Estimated

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01350000 SCHOHARIE CREEK AT PRATTSVILLE, NY

LOCATION.--Lat 42°19'10", long 74°26'13", Greene County, Hydrologic Unit 02020005, on left bank 100 ft upstream from bridge on State Highway 23 in Prattsville, 0.2 mi upstream from Schoharie Reservoir, 0.2 mi downstream from Huntersfield Creek, and 1.6 mi downstream from Batavia Kill.
DRAINAGE AREA.--237 mi^2.
PERIOD OF RECORD.--November 1902 to current year.
REVISED RECORDS.--WSP 1432: 1937-38. WDR NY-87-1: 1956(M), 1972(M), 1974-76(M), 1978(P), 1979(M), 1980(P), 1981(M), 1984(M). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. 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 ft^3/s, Jan. 19, 1996, gage height, 19.39 ft, from rating curve extended above 17,800 ft^3/s on basis of contracted-opening measurements of peak flow at gage heights 18.37 ft and 19.14 ft; maximum gage height, 19.57 ft, Mar. 5, 1979 (ice jam); minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 3	0100	10,700	9.73	Mar. 28	1215	6,180	7.79
Feb. 28	0600	9,410	9.22	June 7	0300	*18,000	*12.08

Minimum discharge, 52 ft^3/s, Sept. 30, gage height, 2.00 ft.

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

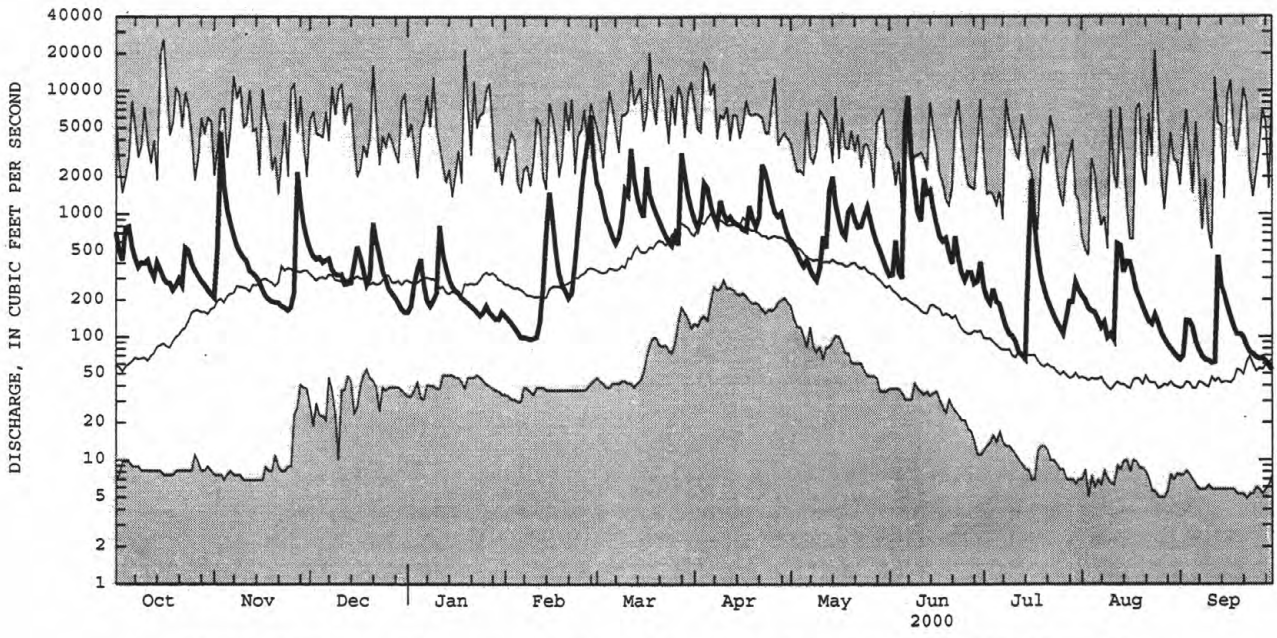
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	715	211	527	e160	e150	1800	907	587	318	256	218	65
2	507	536	460	e180	e140	1550	778	538	324	210	201	70
3	423	4630	435	272	e130	1170	948	481	609	190	173	135
4	771	1670	447	355	e120	909	1780	419	340	247	163	134
5	792	1080	409	434	e110	794	1620	380	302	195	159	119
6	550	839	425	272	e100	661	1190	424	5420	184	139	91
7	439	675	438	e200	e100	585	965	358	9070	148	120	78
8	374	554	357	e180	e98	657	835	316	2940	121	131	69
9	407	492	329	e200	e96	903	1280	291	1660	107	99	65
10	401	447	322	e230	e98	1590	1020	365	1040	101	106	64
11	426	420	324	806	e100	1450	891	659	887	91	95	61
12	352	350	271	490	e130	3420	954	534	1930	75	575	62
13	309	334	274	375	e250	1940	869	1550	1480	71	556	456
14	408	313	278	301	e700	1370	834	2010	1560	66	338	265
15	358	285	392	e260	e1500	1100	812	1190	1100	456	410	221
16	305	246	548	e240	e900	958	757	902	844	1910	407	178
17	280	218	454	e230	e500	2420	735	715	668	825	318	145
18	277	204	350	e210	e330	1450	1160	659	605	463	242	120
19	243	196	e270	e200	e270	1190	927	1050	638	315	209	105
20	265	193	307	e190	e240	1020	793	1140	490	249	179	105
21	298	191	851	e180	e210	887	947	907	398	203	154	99
22	265	180	609	e170	e230	772	2520	789	657	175	134	84
23	536	174	471	e160	e400	676	2160	800	436	151	127	75
24	509	166	e350	e150	e760	605	1680	970	334	132	150	72
25	403	175	e300	e160	e1500	561	1270	1140	291	119	129	68
26	353	232	e250	e180	e2600	683	1040	893	337	106	108	66
27	317	2180	e230	e160	3860	567	964	700	335	141	96	67
28	288	1240	e210	e150	6360	3130	1030	588	273	194	87	63
29	268	825	e190	e140	2740	2080	825	507	285	193	80	57
30	245	639	e170	e140	---	1420	688	430	408	282	74	53
31	226	---	e160	e160	---	1110	---	363	---	243	69	---
TOTAL	12310	19895	11408	7535	24722	39428	33179	22655	35979	8219	6046	3312
MEAN	397	663	368	243	852	1272	1106	731	1199	265	195	110
MAX	792	4630	851	806	6360	3420	2520	2010	9070	1910	575	456
MIN	226	166	160	140	96	561	688	291	273	66	69	53
CFSM	1.68	2.80	1.55	1.03	3.60	5.37	4.67	3.08	5.06	1.12	.82	.47
IN.	1.93	3.12	1.79	1.18	3.88	6.19	5.21	3.56	5.65	1.29	.95	.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2000, BY WATER YEAR (WY)

MEAN	301	490	522	481	454	874	1100	594	299	160	121	180
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1903 - 2000	
ANNUAL TOTAL	188789		224688			
ANNUAL MEAN	517		614		466	
HIGHEST ANNUAL MEAN					873	1978
LOWEST ANNUAL MEAN					202	1985
HIGHEST DAILY MEAN	12200	Sep 17	9070	Jun 7	26200	Oct 16 1955
LOWEST DAILY MEAN	17	Aug 13	53	Sep 30	4.8	Sep 22 1964
ANNUAL SEVEN-DAY MINIMUM	19	Aug 8	64	Sep 24	5.3	Sep 18 1964
ANNUAL RUNOFF (CFSM)	2.18		2.59		1.97	
ANNUAL RUNOFF (INCHES)	29.63		35.27		26.72	
10 PERCENT EXCEEDS	961		1310		1050	
50 PERCENT EXCEEDS	313		350		221	
90 PERCENT EXCEEDS	36		101		31	

e Estimated



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

01350032 TOAD HOLLOW BROOK NEAR GRAND GORGE, NY

LOCATION.--Lat 42°19'58", long 74°29'38", Delaware County, Hydrologic Unit 02020005, on left bank 40 ft upstream from culvert on Johnson Hollow Road, and 2.0 mi south of Grand Gorge.
DRAINAGE AREA.--0.76 mi^2.
PERIOD OF RECORD.--September 1999 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,760 ft above sea level, from topographic map.
REMARKS.--Records poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 165 ft^3/s, Sept. 16, 1999, gage height, 2.70 ft, from rating curve extended above 30 ft^3/s; maximum gage height, 3.05 ft, Feb. 14, 2000 (ice jam); minimum discharge, no flow part or all of each day, Sept. 3-6, 12-16, 1999.
EXTREMES FOR CURRENT PERIOD.--September 1999: Maximum discharge, 165 ft^3/s, Sept. 16, gage height, 2.70 ft, from rating curve extended above 30 ft^3/s; minimum discharge, no flow part or all of each day, Sept. 3-6, 12-16.

Water year 2000: Peak discharges greater than base discharge of 25 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 14	1400	ice jam	*3.05	Apr. 4	0615	29	2.11
Feb. 28	0245	*47	2.25	June 6	2300	35	2.16
Mar. 28	0745	28	2.10				

Minimum recorded discharge, 0.12 ft^3/s, Aug. 5, Sept. 11, 12, gage height, 1.24 ft, but may have been less during period of estimated record, Aug. 2-8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	e.03
2	---	---	---	---	---	---	---	---	---	---	---	.02
3	---	---	---	---	---	---	---	---	---	---	---	.01
4	---	---	---	---	---	---	---	---	---	---	---	.00
5	---	---	---	---	---	---	---	---	---	---	---	.00
6	---	---	---	---	---	---	---	---	---	---	---	.10
7	---	---	---	---	---	---	---	---	---	---	---	.06
8	---	---	---	---	---	---	---	---	---	---	---	.07
9	---	---	---	---	---	---	---	---	---	---	---	.08
10	---	---	---	---	---	---	---	---	---	---	---	.06
11	---	---	---	---	---	---	---	---	---	---	---	.04
12	---	---	---	---	---	---	---	---	---	---	---	.02
13	---	---	---	---	---	---	---	---	---	---	---	.00
14	---	---	---	---	---	---	---	---	---	---	---	.00
15	---	---	---	---	---	---	---	---	---	---	---	.00
16	---	---	---	---	---	---	---	---	---	---	---	25
17	---	---	---	---	---	---	---	---	---	---	---	22
18	---	---	---	---	---	---	---	---	---	---	---	8.1
19	---	---	---	---	---	---	---	---	---	---	---	5.5
20	---	---	---	---	---	---	---	---	---	---	---	4.1
21	---	---	---	---	---	---	---	---	---	---	---	4.0
22	---	---	---	---	---	---	---	---	---	---	---	4.6
23	---	---	---	---	---	---	---	---	---	---	---	3.6
24	---	---	---	---	---	---	---	---	---	---	---	3.2
25	---	---	---	---	---	---	---	---	---	---	---	2.9
26	---	---	---	---	---	---	---	---	---	---	---	2.5
27	---	---	---	---	---	---	---	---	---	---	---	2.2
28	---	---	---	---	---	---	---	---	---	---	---	1.9
29	---	---	---	---	---	---	---	---	---	---	---	1.7
30	---	---	---	---	---	---	---	---	---	---	---	3.3
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	95.09
MEAN	---	---	---	---	---	---	---	---	---	---	---	3.17
MAX	---	---	---	---	---	---	---	---	---	---	---	25
MIN	---	---	---	---	---	---	---	---	---	---	---	.00
CFSM	---	---	---	---	---	---	---	---	---	---	---	4.17
IN.	---	---	---	---	---	---	---	---	---	---	---	4.65

e Estimated

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

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	2.2	e1.2	e2.7	.72	.45	9.5	4.4	2.5	1.7	.83	.24	.24
2	1.9	e1.6	2.4	.76	.43	7.3	3.8	2.3	1.8	.70	e.20	.22
3	1.9	e3.1	2.1	.81	.41	5.2	4.6	2.0	1.6	.81	e.16	.21
4	3.1	e2.0	2.0	2.5	.40	4.1	9.4	1.8	1.3	.71	e.15	.43
5	2.6	e1.6	1.7	1.6	.38	3.5	8.2	1.7	1.3	.55	.14	.26
6	2.5	e1.4	1.9	e1.6	.37	3.0	7.3	1.5	13	.47	e.14	.20
7	e2.0	e1.3	1.6	e1.6	.34	2.9	5.8	1.3	21	.42	e.20	.17
8	e1.6	e1.2	1.4	e1.6	.32	3.3	5.1	1.2	11	.36	e.17	.15
9	e1.8	e1.1	1.3	1.7	.31	4.1	5.8	1.0	6.8	.32	.17	.15
10	e1.9	e1.1	1.4	2.2	.31	6.8	4.2	1.3	4.5	.29	.32	.16
11	e1.9	e1.6	1.4	2.3	e.32	8.9	3.6	1.5	4.5	.23	.22	.14
12	e1.7	1.4	1.2	1.7	e.33	12	3.9	1.6	5.0	.19	2.3	.37
13	e1.5	1.2	1.2	e1.6	.34	8.7	3.2	6.0	5.3	.17	.97	1.1
14	e2.6	1.1	1.2	e1.5	e5.0	6.9	3.1	5.7	4.8	.16	1.5	.22
15	e2.1	1.1	1.6	e1.4	2.3	5.5	3.1	5.7	4.4	1.2	1.7	.93
16	e1.9	.98	1.7	e1.2	1.5	5.3	3.3	4.8	3.7	1.3	1.8	.42
17	e1.8	.89	1.3	1.1	1.4	6.9	4.2	3.9	3.1	.53	1.5	.41
18	e1.7	.80	1.2	1.1	1.4	5.3	5.3	3.7	3.5	.38	1.3	.41
19	e1.6	.74	1.1	.98	1.3	4.9	4.3	4.9	3.0	.35	1.1	.41
20	e2.0	.73	1.2	.94	1.3	4.4	4.1	4.4	2.2	.33	.94	.39
21	e1.8	.68	1.6	.86	1.2	3.8	5.1	4.3	2.9	.29	.80	e.38
22	e1.6	.64	1.3	.76	1.2	3.2	6.7	4.3	3.0	.26	.68	e.33
23	e2.5	.71	1.3	.69	1.6	2.8	7.3	4.1	2.1	.22	.73	e.31
24	e2.1	.66	e1.2	.66	3.1	2.5	6.9	5.2	2.0	e.20	.61	e.29
25	e1.9	.79	e1.2	.65	5.1	2.7	5.9	5.2	1.9	.19	.51	e.27
26	e1.8	1.9	e1.1	.62	6.0	3.1	5.0	4.5	1.8	.19	.45	e.25
27	e1.7	5.3	1.1	.56	15	3.0	4.5	4.2	1.5	.31	.40	e.23
28	e1.6	4.1	1.1	.51	28	10	4.0	3.7	1.2	.23	.38	e.21
29	e1.5	e3.7	.97	.47	14	8.4	3.2	3.1	1.1	.28	.35	e.20
30	e1.4	e3.2	.88	.45	---	7.0	2.8	2.5	1.0	.30	.31	.22
31	e1.3	---	.79	.46	---	5.5	---	2.1	---	.29	.27	---
TOTAL	59.5	47.82	44.14	35.60	94.11	170.5	148.1	102.0	122.0	13.06	20.71	9.68
MEAN	1.92	1.59	1.42	1.15	3.25	5.50	4.94	3.29	4.07	.42	.67	.32
MAX	3.1	5.3	2.7	2.5	28	12	9.4	6.0	21	1.3	2.3	1.1
MIN	1.3	.64	.79	.45	.31	2.5	2.8	1.0	1.0	.16	.14	.14
CFSM	2.53	2.10	1.87	1.51	4.27	7.24	6.50	4.33	5.35	.55	.88	.42
IN.	2.91	2.34	2.16	1.74	4.61	8.35	7.25	4.99	5.97	.64	1.01	.47

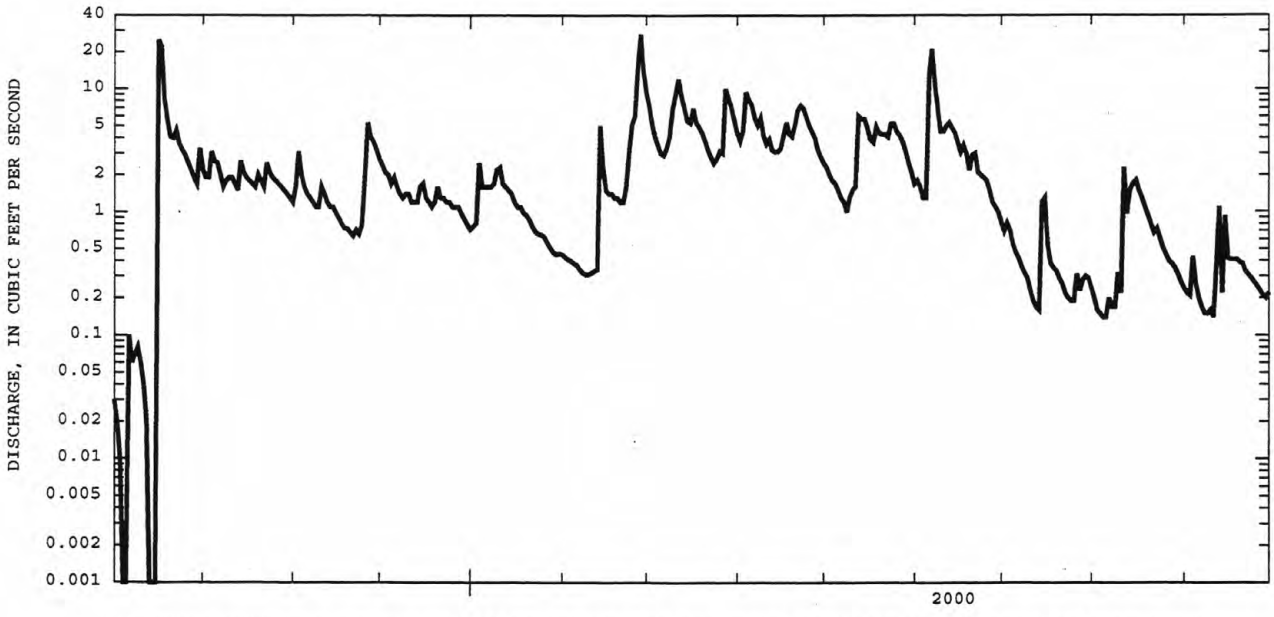
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	1.92	1.59	1.42	1.15	3.25	5.50	4.94	3.29	4.07	.42	.67	1.75
MAX	1.92	1.59	1.42	1.15	3.25	5.50	4.94	3.29	4.07	.42	.67	3.17
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999
MIN	1.92	1.59	1.42	1.15	3.25	5.50	4.94	3.29	4.07	.42	.67	.32
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	867.22			
ANNUAL MEAN	2.37		2.37	
HIGHEST ANNUAL MEAN			2.37	2000
LOWEST ANNUAL MEAN			2.37	2000
HIGHEST DAILY MEAN	28	Feb 28	28	Feb 28 2000
LOWEST DAILY MEAN	.14	Aug 5	.00	Sep 4 1999
ANNUAL SEVEN-DAY MINIMUM	.16	Aug 3	.03	Sep 9 1999
ANNUAL RUNOFF (CFSM)	3.12		3.12	
ANNUAL RUNOFF (INCHES)	42.45		42.36	
10 PERCENT EXCEEDS	5.3		5.3	
50 PERCENT EXCEEDS	1.5		1.5	
90 PERCENT EXCEEDS	.27		.22	

e Estimated

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



DAILY MEAN DISCHARGE - SEPTEMBER 1999 TO SEPTEMBER 2000. ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE.

01350035 BEAR KILL NEAR PRATTSVILLE, NY

LOCATION.--Lat 42°20'17", long 74°27'07", Delaware County, Hydrologic Unit 02020004, on right bank 50 ft upstream from bridge on Intake Road, about 100 ft upstream from mouth, and 0.15 mi northeast of State Highway 23, near Prattsville.
DRAINAGE AREA.--25.7 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,140 ft above 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 ft^3/s, July 4, 1999, gage height, 7.53 ft, from rating curve extended above 260 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.24 ft^3/s, Oct. 5, 6, 1998, gage height, 1.48 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0445	a1,120	5.72	Apr. 4	0915	a703	4.80
Mar. 28	0845	a640	4.64	June 7	0100	a*1,140	b*5.76

a From rating curve extended as explained above.
b Recorded; outside gage height was 6.17 ft, from crest-stage gage.

Minimum discharge, 3.5 ft^3/s, Sept. 30, gage height, 1.67 ft.

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	48	25	65	e20	e19	200	119	56	39	26	11	7.2
2	38	36	58	e23	19	179	112	53	40	22	7.0	6.7
3	34	74	55	e30	17	129	148	45	42	30	7.4	5.9
4	56	35	67	88	16	102	363	43	29	41	11	26
5	50	30	57	e56	15	88	233	36	28	24	6.2	18
6	40	27	60	e45	14	75	166	35	318	19	4.9	11
7	36	25	52	e40	e12	70	127	30	505	15	11	8.7
8	33	25	45	e36	e11	77	110	28	198	13	6.5	6.9
9	40	23	41	e32	e10	99	188	24	125	11	4.9	6.7
10	41	23	42	e50	e10	146	130	31	86	10	26	6.9
11	41	30	44	114	e11	172	112	49	137	9.3	13	6.2
12	35	24	38	81	e12	308	132	45	163	8.4	107	7.0
13	31	22	37	58	e13	188	107	243	134	7.2	61	53
14	57	21	39	48	e45	147	101	230	126	6.5	52	18
15	43	21	54	e43	85	123	99	146	95	34	59	40
16	38	19	62	e38	49	114	91	110	74	55	73	21
17	36	17	48	e35	36	216	100	90	61	20	51	12
18	36	16	41	e34	30	133	157	87	78	11	39	8.6
19	34	16	34	e34	e28	120	116	133	76	7.5	37	7.8
20	41	15	37	e33	e25	107	94	116	51	6.5	32	7.3
21	36	14	65	e31	24	94	122	97	62	6.0	23	6.4
22	33	13	45	e30	23	83	189	93	95	6.5	20	5.6
23	55	16	38	e29	31	75	174	99	51	5.8	22	5.5
24	42	15	35	e28	72	68	148	135	51	4.4	25	5.8
25	37	20	e33	27	e110	69	118	170	58	4.2	17	5.4
26	36	40	e30	30	e170	93	102	119	73	4.1	15	5.8
27	35	204	e28	26	477	70	106	104	61	9.3	12	6.4
28	31	113	e26	23	626	332	103	77	35	7.0	11	4.7
29	30	92	e25	22	276	233	81	66	34	8.8	9.9	4.0
30	28	76	e23	22	---	185	72	57	33	12	8.5	3.8
31	26	---	e22	e21	---	139	---	45	---	12	8.0	---
TOTAL	1197	1127	1346	1227	2286	4234	4020	2692	2958	456.5	791.3	338.3
MEAN	38.6	37.6	43.4	39.6	78.8	137	134	86.8	98.6	14.7	25.5	11.3
MAX	57	204	67	114	626	332	363	243	505	55	107	53
MIN	26	13	22	20	10	68	72	24	28	4.1	4.9	3.8
CFSM	1.50	1.46	1.69	1.54	3.07	5.31	5.21	3.38	3.84	.57	.99	.44
IN.	1.73	1.63	1.95	1.78	3.31	6.13	5.82	3.90	4.28	.66	1.15	.49

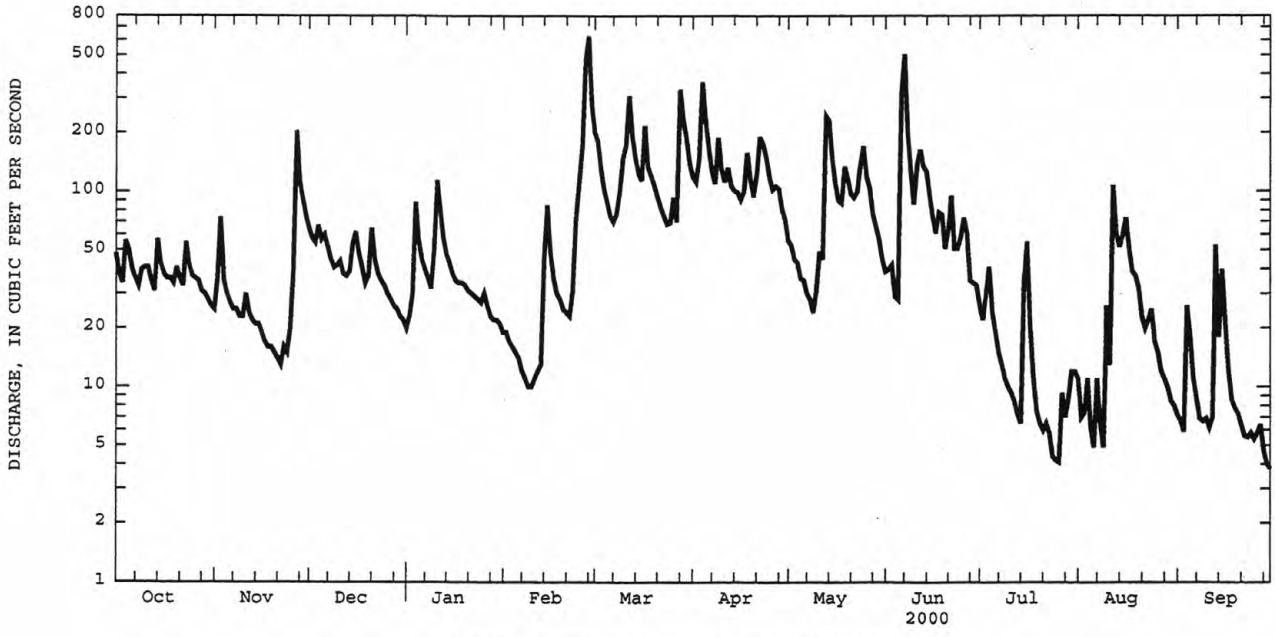
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	21.0	20.2	24.7	61.0	60.8	98.0	89.2	54.1	51.8	25.7	14.3	33.6
MAX	38.6	37.6	43.4	82.4	78.8	137	134	86.8	98.6	36.7	25.5	55.9
(WY)	2000	2000	2000	1999	2000	2000	2000	2000	2000	1999	2000	1999
MIN	3.48	2.93	6.02	39.6	42.0	59.5	44.3	21.5	4.98	14.7	2.98	11.3
(WY)	1999	1999	1999	2000	1999	1999	1999	1999	1999	2000	1999	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	14294.34		22673.1			
ANNUAL MEAN	39.2		61.9		46.1	
HIGHEST ANNUAL MEAN					61.9	2000
LOWEST ANNUAL MEAN					30.2	1999
HIGHEST DAILY MEAN	518	Jan 24	626	Feb 28	626	Feb 28 2000
LOWEST DAILY MEAN	.59	Jun 27	3.8	Sep 30	.31	Oct 5 1998
ANNUAL SEVEN-DAY MINIMUM	.85	Jun 21	5.1	Sep 24	.35	Oct 1 1998
ANNUAL RUNOFF (CFSM)	1.52		2.41		1.79	
ANNUAL RUNOFF (INCHES)	20.69		32.82		24.36	
10 PERCENT EXCEEDS	71		134		110	
50 PERCENT EXCEEDS	29		37		27	
90 PERCENT EXCEEDS	2.1		7.7		2.2	

e Estimated

01350035 BEAR KILL NEAR PRATTSVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01350080 MANOR KILL AT WEST CONESVILLE NEAR GILBOA, NY

LOCATION.--Lat 42°22'37", long 74°24'48", Schoharie County, Hydrologic Unit 02020005, on right bank 50 ft south of County Highway 3, 0.5 mi east of West Conesville, 1.2 mi upstream from mouth, and 2.2 mi southeast of Gilboa.
DRAINAGE AREA.--32.4 mi^2.
PERIOD OF RECORD.--July 1986 to current year.
GAGE.--Water-stage recorder. Datum of gage is 1,255.95 ft above sea level.
REMARKS.--Records poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,050 ft^3/s, Jan. 19, 1996, gage height, 10.20 ft in gage well, outside gage height was 10.8 ft, from floodmarks, from rating curve extended above 970 ft^3/s on basis of slope-area measurement of peak flow at gage height 9.76 ft; maximum outside gage height, 10.9 ft from floodmarks, Apr. 4, 1987; minimum discharge, 1.0 ft^3/s, Aug. 28, 29, 30, 31, Sept. 1, 2, 1993, Sept. 6, 7, 8, 1995; minimum gage height, 0.37 ft, Aug. 10, 13, 1997, Sept. 29, Oct. 5, 6, 7, 8, 1998.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0515	1,210	4.49	June 7	0215	a*2,260	*6.42

a From rating curve extended as explained above.

Minimum discharge, 8.0 ft^3/s, Aug. 9, Sept. 30, gage height, 0.63 ft.

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	75	31	41	16	e19	192	111	92	50	52	19	10
2	53	35	38	16	e18	178	105	85	48	42	16	11
3	45	111	38	24	e17	141	124	75	50	42	13	15
4	70	62	49	68	13	125	222	66	39	59	11	28
5	68	52	47	e53	12	112	173	64	38	39	9.9	21
6	56	47	48	e37	12	102	138	66	509	31	9.5	14
7	48	43	43	29	12	98	123	54	926	27	11	11
8	43	40	37	26	e11	112	116	48	240	23	9.5	9.9
9	49	39	34	23	e11	131	159	43	160	20	8.7	9.4
10	50	38	34	33	11	148	132	47	127	19	16	9.2
11	50	40	35	65	14	166	122	72	117	17	16	8.6
12	42	35	30	42	e17	289	126	60	136	14	127	9.6
13	38	33	29	e32	e30	174	123	221	120	13	84	67
14	59	32	31	e31	48	144	134	253	126	11	59	27
15	49	30	43	e30	76	131	141	142	103	30	86	49
16	41	28	56	e33	e40	129	126	119	86	111	115	32
17	39	27	45	e34	e36	250	125	104	73	58	75	23
18	40	25	36	e30	e32	153	170	100	77	34	55	18
19	36	24	30	e26	e28	135	138	131	83	25	45	16
20	40	23	29	e24	24	126	124	127	63	21	35	14
21	40	22	52	e23	23	118	140	112	57	18	30	12
22	37	21	39	e22	e26	109	220	108	100	16	25	11
23	70	21	32	e20	31	102	191	111	61	14	25	10
24	58	20	e29	e21	58	93	163	119	49	13	29	10
25	49	23	e24	e22	123	88	138	155	45	12	21	10
26	44	39	e23	e24	155	106	126	121	59	11	18	9.7
27	41	123	e23	e22	366	87	131	100	72	16	15	10
28	38	69	e20	e21	693	284	134	88	48	15	14	9.2
29	36	51	e19	e20	270	171	115	78	60	19	13	8.6
30	34	45	18	e20	---	139	103	68	80	24	12	8.3
31	33	---	17	e19	---	123	---	58	---	26	11	---
TOTAL	1471	1229	1069	906	2226	4456	4193	3087	3802	872	1033.6	501.5
MEAN	47.5	41.0	34.5	29.2	76.8	144	140	99.6	127	28.1	33.3	16.7
MAX	75	123	56	68	693	289	222	253	926	111	127	67
MIN	33	20	17	16	11	87	103	43	38	11	8.7	8.3
CFSM	1.46	1.26	1.06	.90	2.37	4.44	4.31	3.07	3.91	.87	1.03	.52
IN.	1.69	1.41	1.23	1.04	2.56	5.12	4.81	3.54	4.37	1.00	1.19	.58

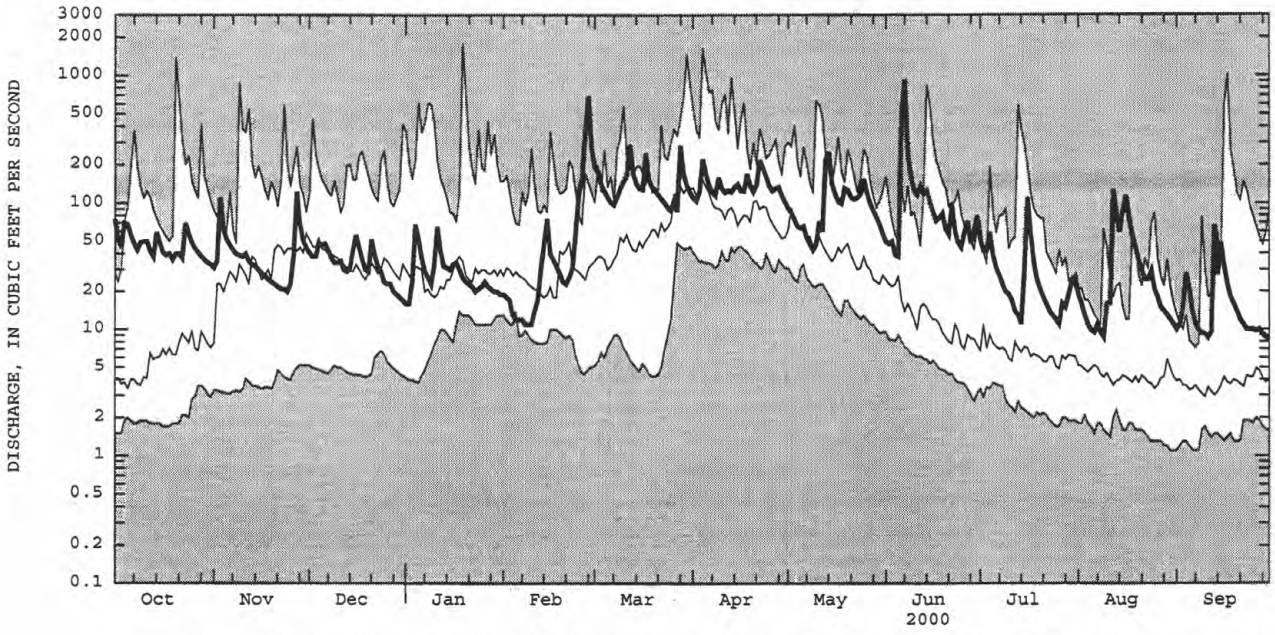
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2000, BY WATER YEAR (WY)

MEAN	31.0	49.9	46.2	58.1	42.8	92.7	135	72.2	35.9	18.0	8.53	16.1
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	16.0	12.8	38.4	46.0	20.2	5.80	2.75	1.66	1.60
(WY)	1998	1999	1999	1989	1993	1989	1995	1995	1991	1993	1993	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1986 - 2000	
ANNUAL TOTAL	17961.9		24846.1			
ANNUAL MEAN	49.2		67.9		50.6	
HIGHEST ANNUAL MEAN					73.2	1996
LOWEST ANNUAL MEAN					28.0	1995
HIGHEST DAILY MEAN	1020	Sep 17	926	Jun 7	1800	Jan 19 1996
LOWEST DAILY MEAN	3.1	Sep 14	8.3	Sep 30	1.1	Aug 30 1993
ANNUAL SEVEN-DAY MINIMUM	3.7	Sep 9	9.4	Sep 24	1.2	Aug 27 1993
ANNUAL RUNOFF (CFSM)	1.52		2.10		1.56	
ANNUAL RUNOFF (INCHES)	20.62		28.53		21.21	
10 PERCENT EXCEEDS	108		138		121	
50 PERCENT EXCEEDS	35		42		24	
90 PERCENT EXCEEDS	4.3		13		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.

01350100 SCHOHARIE RESERVOIR NEAR GRAND GORGE, NY

LOCATION.--Lat 42°21'21", long 74°26'42", Schoharie County, Hydrologic Unit 02020005, in Shandaken Tunnel intake house on Intake Road, 1.6 mi north of junction of Intake Road and State Highway 23, 2.5 mi upstream from Gilboa Dam, and 2.6 mi east of Grand Gorge.
DRAINAGE AREA.--315 mi^2.
PERIOD OF RECORD.--January 1973 to current year. Monthly contents only published as "at Gilboa" for September 1928 to December 1972.
REVISED RECORDS.--WDR NY-86-1: 1956 (maximum elevation). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Supplementary nonrecording gage used for periods when reservoir elevation is below 1,072.50 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, 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, 1,133.06 ft, June 7, contents, 20,772 mil gal; minimum elevation, 1,105.39 ft, Sept. 30, contents, 11,610 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1130.69	1130.55	1130.35	1121.51	1124.86	1130.62	1130.44	1130.22	1130.23	1130.16	1130.01	1127.47
2	1130.29	1130.54	1130.28	1120.66	1124.61	1130.56	1130.41	1130.17	1130.07	1130.10	1129.99	1126.34
3	1130.09	1131.19	1130.15	1119.92	1124.35	1130.44	1130.48	1130.08	1129.92	1130.08	1129.96	1125.23
4	1130.23	1130.59	1130.13	1119.39	1124.08	1130.37	1130.79	1129.88	1129.60	1130.12	1129.95	1124.26
5	1130.77	1130.44	1130.12	1119.23	1123.80	1130.33	1130.77	1129.61	1129.54	1130.08	1129.91	1123.24
6	1130.72	1130.37	1130.12	1118.73	1123.49	1130.28	1130.62	1129.37	1130.73	1130.04	1129.85	1122.12
7	1130.64	1130.33	1130.14	1118.71	1123.33	1130.26	1130.56	1129.09	1132.00	1130.01	1129.84	1120.93
8	1130.57	1130.29	1130.08	1119.01	1122.81	1130.28	1130.51	1128.68	1130.89	1129.96	1129.80	1119.71
9	1130.63	1130.27	1129.99	1119.31	1122.25	1130.34	1130.69	1128.21	1130.60	1129.90	1129.73	1118.47
10	1130.72	1130.27	1129.75	1119.68	1121.62	1130.52	1130.61	1127.76	1130.45	1129.84	1129.74	1117.21
11	1130.76	1130.26	1129.49	1120.81	1120.67	1130.49	1130.56	1127.75	1130.41	1129.74	1129.68	1115.94
12	1130.72	1130.22	1129.16	1121.92	1120.16	1130.98	1130.59	1127.76	1130.66	1129.62	1129.98	1114.76
13	1130.66	1130.21	1128.78	1122.63	1119.62	1130.67	1130.56	1128.76	1130.55	1129.47	1130.24	1114.57
14	1130.77	1130.20	1128.42	1123.00	1119.43	1130.50	1130.54	1130.61	1130.57	1129.23	1130.11	1114.67
15	1130.83	1130.19	1128.20	1123.23	1119.67	1130.43	1130.53	1130.37	1130.46	1128.60	1130.14	1114.47
16	1130.78	1130.16	1128.26	1123.59	1119.73	1130.39	1130.49	1130.21	1130.40	1130.31	1130.16	1114.20
17	1130.74	1130.11	1128.35	1123.93	1119.88	1130.75	1130.47	1130.10	1130.35	1130.37	1130.11	1113.76
18	1130.72	1130.11	1128.20	1124.10	1119.57	1130.53	1130.61	1130.00	1130.34	1130.24	1130.04	1113.24
19	1130.67	1130.10	1127.90	1124.33	1119.23	1130.45	1130.54	1130.17	1130.38	1130.17	1130.01	1112.68
20	1130.64	1130.09	1127.53	1124.59	1118.86	1130.41	1130.48	1130.31	1130.30	1130.12	1129.97	1112.10
21	1130.71	1130.10	1127.66	1124.85	1118.43	1130.38	1130.49	1130.20	1130.23	1130.06	1129.93	1111.52
22	1130.67	1130.09	1128.09	1125.05	1117.93	1130.35	1130.94	1130.13	1130.36	1130.00	1129.89	1110.89
23	1130.72	1130.09	1128.07	1125.21	1117.48	1130.33	1130.90	1130.13	1130.27	1129.97	1129.84	1110.23
24	1130.86	1130.09	1127.62	1125.39	1117.38	1130.33	1130.76	1130.23	1130.20	1129.94	1129.85	1109.59
25	1130.78	1130.09	1126.94	1125.58	1118.10	1130.35	1130.59	1130.50	1130.17	1129.91	1129.83	1108.95
26	1130.73	1130.16	1126.22	1125.80	1120.90	1130.42	1130.49	1130.48	1130.20	1129.86	1129.75	1108.51
27	1130.70	1130.72	1125.55	1125.91	1125.62	1130.37	1130.45	1130.43	1130.22	1129.86	1129.64	1108.13
28	1130.66	1130.55	1124.79	1125.75	1131.51	1130.94	1130.42	1130.38	1130.18	1129.95	1129.50	1107.73
29	1130.63	1130.41	1123.97	1125.51	1130.88	1130.79	1130.34	1130.34	1130.14	1129.98	1129.34	1107.20
30	1130.60	1130.39	1123.16	1125.27	---	1130.59	1130.27	1130.30	1130.25	1130.04	1129.07	1106.04
31	1130.58	---	1122.37	1125.09	---	1130.50	---	1130.27	---	1130.04	1128.33	---
MEAN	1130.65	1130.31	1128.06	1122.83	1121.73	1130.48	1130.56	1129.76	1130.36	1129.93	1129.81	1115.14
MAX	1130.86	1131.19	1130.35	1125.91	1131.51	1130.98	1130.94	1130.61	1132.00	1130.37	1130.24	1127.47
MIN	1130.09	1130.09	1122.37	1118.71	1117.38	1130.26	1130.27	1127.75	1129.54	1128.60	1128.33	1106.04
‡	19805	19727	16759	17776	19859	19766	19676	19684	19661	19595	18836	11610
‡‡	-4.84	-4.02	-148	+50.8	+111	-4.64	-4.64	+0.40	-1.19	-3.29	-37.9	-372

CAL YR 1999 MEAN 1120.27 MAX 1131.19 MIN 1084.28 ‡‡ +45.4
WTR YR 2000 MEAN 1127.51 MAX 1132.00 MIN 1106.04 ‡‡ -35.0

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

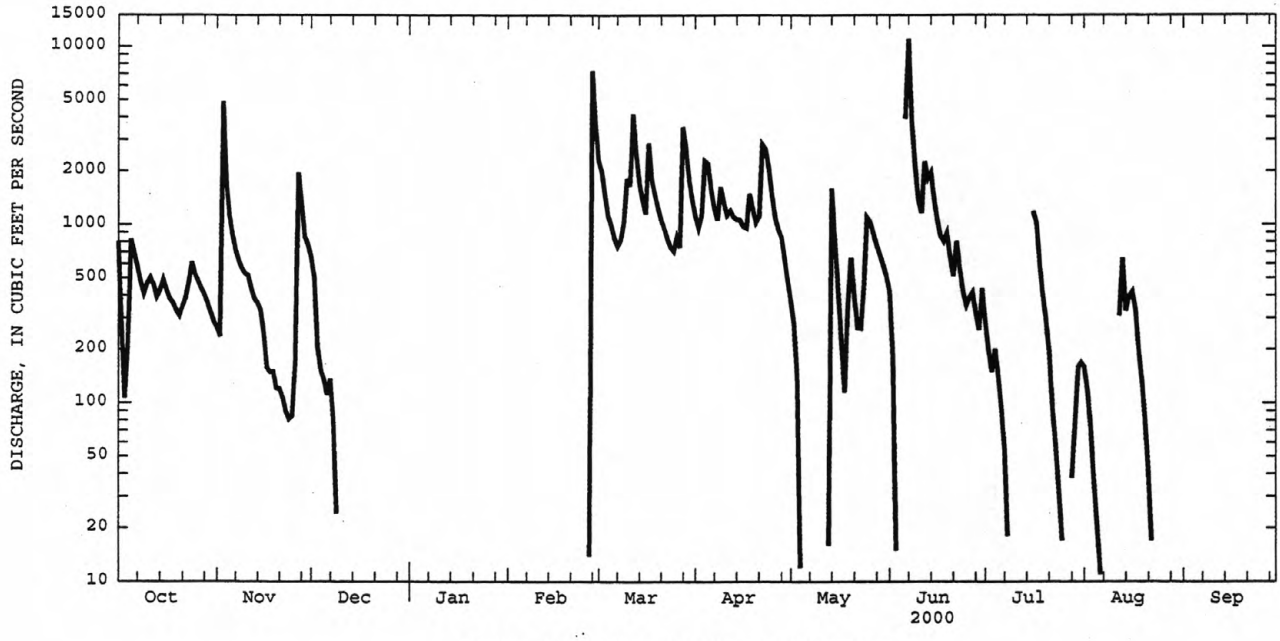
NOTE: Mean elevations for Feb. 14, 21, 22, computed based on readings at 1200 hours and on adjacent days.

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 mi^2.
PERIOD OF RECORD.--October 1975 to current year (since October 1983, discharges only for days of Schoharie Reservoir spill and since October 1989, discharges only for days of mean flow exceeding 10 ft^3/s).
REVISED RECORDS.--WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 939.56 ft above sea level.
REMARKS.--No estimated daily discharges. Records fair. Entire flow, runoff from 315 mi^2, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of city of New York.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft^3/s, Jan. 19, 1996, gage height, 30.60 ft, outside gage height, 32.2 ft, from floodmark, from rating curve extended above 14,000 ft^3/s on basis of flow-over-dam measurement of peak flow; minimum daily discharge, 0.04 ft^3/s on many days, June to October 1976, and Sept. 11-13, 1980, but may have been lower since October 1983 (see PERIOD OF RECORD); minimum instantaneous discharge not determined.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 65,000 ft^3/s, Oct. 16, 1955, by computation of flow over dam; flood of Mar. 18, 1936, reached a discharge of 32,000 ft^3/s, from information furnished by Bureau of Water Resources Development, City of New York.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,600 ft^3/s, June 7, gage height, 20.79 ft, outside gage height, 21.96 ft, from crest-stage gage.

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	802	265	655	---	---	2290	1110	373	421	282	159	---
2	285	237	502	---	---	1980	958	274	183	197	117	---
3	106	4890	208	---	---	1480	1120	139	15	149	72	---
4	210	1750	153	---	---	1120	2270	12	---	201	36	---
5	823	1120	135	---	---	989	2190	---	---	141	20	---
6	687	867	111	---	---	837	1560	---	3920	90	11	---
7	577	720	136	---	---	756	1230	---	11000	54	---	---
8	475	626	75	---	---	815	1060	---	3860	18	---	---
9	413	567	24	---	---	1030	1620	---	2160	---	---	---
10	468	531	---	---	---	1800	1330	---	1370	---	---	---
11	501	517	---	---	---	1650	1130	---	1160	---	---	---
12	460	438	---	---	---	4160	1190	---	2250	---	309	---
13	395	384	---	---	---	2450	1100	16	1810	---	646	---
14	427	364	---	---	---	1700	1070	1590	1950	---	330	---
15	488	331	---	---	---	1370	1060	807	1410	---	396	---
16	430	244	---	---	---	1150	977	427	1070	1180	419	---
17	385	157	---	---	---	2850	955	220	864	1010	332	---
18	365	149	---	---	---	1790	1480	115	806	596	195	---
19	332	149	---	---	---	1460	1230	356	891	413	132	---
20	310	121	---	---	---	1230	1030	646	662	296	78	---
21	349	120	---	---	---	1060	1110	396	513	194	40	---
22	388	107	---	---	---	943	2810	265	801	94	17	---
23	473	90	---	---	---	826	2650	263	563	58	---	---
24	614	81	---	---	---	746	2070	466	418	32	---	---
25	525	84	---	---	---	710	1460	1090	354	17	---	---
26	479	173	---	---	---	844	1090	1030	391	---	---	---
27	437	1950	---	---	14	744	935	883	414	---	---	---
28	403	1320	---	---	7290	3530	844	759	321	38	---	---
29	364	854	---	---	3700	2680	641	671	257	79	---	---
30	322	769	---	---	---	1770	481	592	437	159	---	---
31	287	---	---	---	---	1370	---	511	---	168	---	---
TOTAL	13580	19975	---	---	---	48130	39761	---	---	---	---	---
MEAN	438	666	---	---	---	1553	1325	---	---	---	---	---
MAX	823	4890	---	---	---	4160	2810	---	---	---	---	---
MIN	106	81	---	---	---	710	481	---	---	---	---	---



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01350120 PLATTER KILL AT GILBOA, NY

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0530	170	3.21	June 6	2400	*292	*3.78

Minimum discharge, 3.2 ft^3/s, Sept. 26, 27, gage height, 1.86 ft.

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

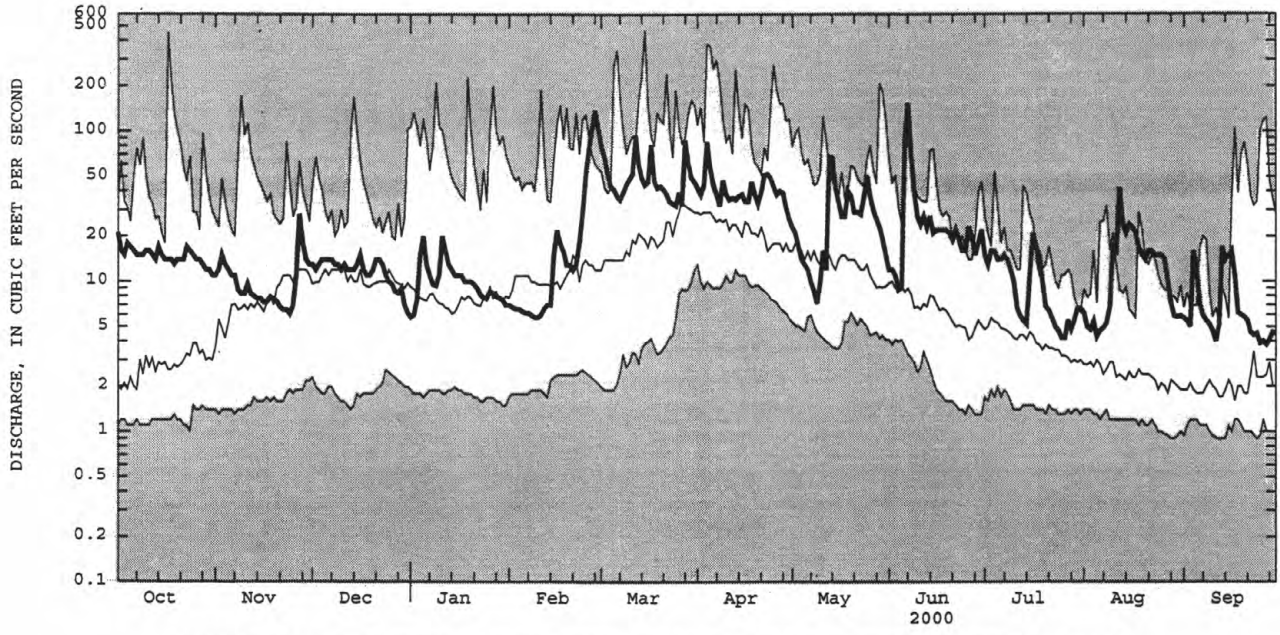
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	11	13	e5.8	e7.0	79	42	23	12	15	6.2	5.7
2	16	12	12	e6.0	e6.8	67	38	21	12	13	5.0	5.5
3	15	15	13	e7.6	e6.6	52	44	17	11	16	4.8	5.0
4	18	13	14	e15	e6.6	43	85	14	8.8	16	5.4	16
5	17	12	14	20	e6.4	41	57	13	9.1	14	4.3	12
6	16	11	14	e13	e6.2	37	44	12	87	14	4.7	7.0
7	15	11	14	e11	e6.2	35	38	10	153	15	4.9	5.9
8	15	8.8	13	e9.6	e6.0	39	32	8.7	68	14	5.3	5.5
9	15	8.3	13	e9.4	e5.8	44	47	7.2	39	12	6.7	5.2
10	16	8.3	12	e11	e5.8	48	38	9.8	27	10	18	4.7
11	16	9.6	13	e20	e6.0	52	35	16	24	6.7	15	4.0
12	15	8.3	12	e16	e6.6	94	36	12	27	5.9	42	5.1
13	14	8.0	12	e13	e7.0	60	35	68	23	5.5	24	17
14	17	7.7	12	e12	e7.0	49	37	67	27	5.2	21	14
15	15	7.7	13	e11	e15	44	38	42	21	11	24	15
16	14	7.3	15	e11	22	46	34	34	22	21	23	16
17	14	7.4	e12	e11	18	81	34	27	22	17	21	11
18	14	7.9	e11	e10	16	47	46	27	22	15	17	6.2
19	13	7.7	e11	e10	e13	42	38	40	22	9.9	15	6.0
20	14	7.4	12	e10	13	43	33	37	21	6.8	14	5.8
21	14	6.8	14	e9.6	12	41	39	29	19	6.4	16	5.5
22	14	6.5	14	e9.0	13	38	51	29	22	5.7	16	4.6
23	17	6.5	13	e8.2	18	34	52	28	19	5.0	15	4.4
24	16	6.1	e11	e7.8	28	33	49	36	16	4.7	15	4.5
25	15	6.9	e10	e7.8	50	32	43	51	16	4.2	15	3.9
26	14	11	e9.6	e8.6	76	39	38	37	23	4.2	14	4.0
27	14	28	e8.6	e8.4	103	32	40	30	20	5.5	10	3.8
28	13	18	e8.4	e8.0	137	87	39	26	15	4.8	7.1	4.1
29	12	14	e9.0	e7.8	104	61	31	23	18	5.5	5.9	4.6
30	12	13	e7.0	e7.6	---	49	26	19	22	6.6	5.8	4.5
31	11	---	e6.2	e7.0	---	46	---	15	---	6.6	5.9	---
TOTAL	462	306.2	365.8	322.2	728.0	1535	1239	828.7	847.9	302.2	407.0	216.5
MEAN	14.9	10.2	11.8	10.4	25.1	49.5	41.3	26.7	28.3	9.75	13.1	7.22
MAX	21	28	15	20	137	94	85	68	153	21	42	17
MIN	11	6.1	6.2	5.8	5.8	32	26	7.2	8.8	4.2	4.3	3.8
CFSM	1.37	.94	1.08	.95	2.30	4.54	3.79	2.45	2.59	.89	1.20	.66
IN.	1.58	1.05	1.25	1.10	2.48	5.24	4.23	2.83	2.89	1.03	1.39	.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	9.22	10.8	12.2	13.9	16.8	29.8	33.2	18.8	10.4	5.32	3.59	4.66
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	3886.9		7560.5			
ANNUAL MEAN	10.6		20.7		14.0	
HIGHEST ANNUAL MEAN					26.6	1978
LOWEST ANNUAL MEAN					5.43	1985
HIGHEST DAILY MEAN	105	Sep 17	153	Jun 7	467	Mar 15 1986
LOWEST DAILY MEAN	1.6	Sep 5	3.8	Sep 27	.89	Sep 12 1980
ANNUAL SEVEN-DAY MINIMUM	1.8	Jan 1	4.2	Sep 22	.95	Aug 24 1980
ANNUAL RUNOFF (CFSM)	.98		1.90		1.28	
ANNUAL RUNOFF (INCHES)	13.27		25.80		17.40	
10 PERCENT EXCEEDS	17		44		32	
50 PERCENT EXCEEDS	10		14		8.0	
90 PERCENT EXCEEDS	2.3		5.8		1.8	

e Estimated



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

01350140 MINE KILL NEAR NORTH BLENHEIM, NY

LOCATION.--Lat 42°25'44", long 74°28'24", Schoharie County, Hydrologic Unit 02020005, on left bank 200 ft upstream from bridge on State Highway 30, 0.6 mi upstream from mouth, and 3.0 mi southwest of North Blenheim.
DRAINAGE AREA.--16.2 mi^2.
PERIOD OF RECORD.--December 1974 to current year. Occasional discharge measurements, water years 1969-74.
REVISED RECORDS.--WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Concrete control since Sept. 23, 1975. 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 ft^3/s, Jan. 19, 1996, gage height, 5.20 ft, from floodmarks, from rating curve extended above 560 ft^3/s on basis of step-backwater analysis of peak flow; minimum discharge, 0.10 ft^3/s, Aug. 27, 28, 29, 30, 1980; minimum gage height, 0.46 ft, Aug. 11, 12, 13, 1997.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 6	2345	*460	*4.59				

Minimum discharge, 2.1 ft^3/s, July 26, Sept. 30, gage height, 1.94 ft.

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

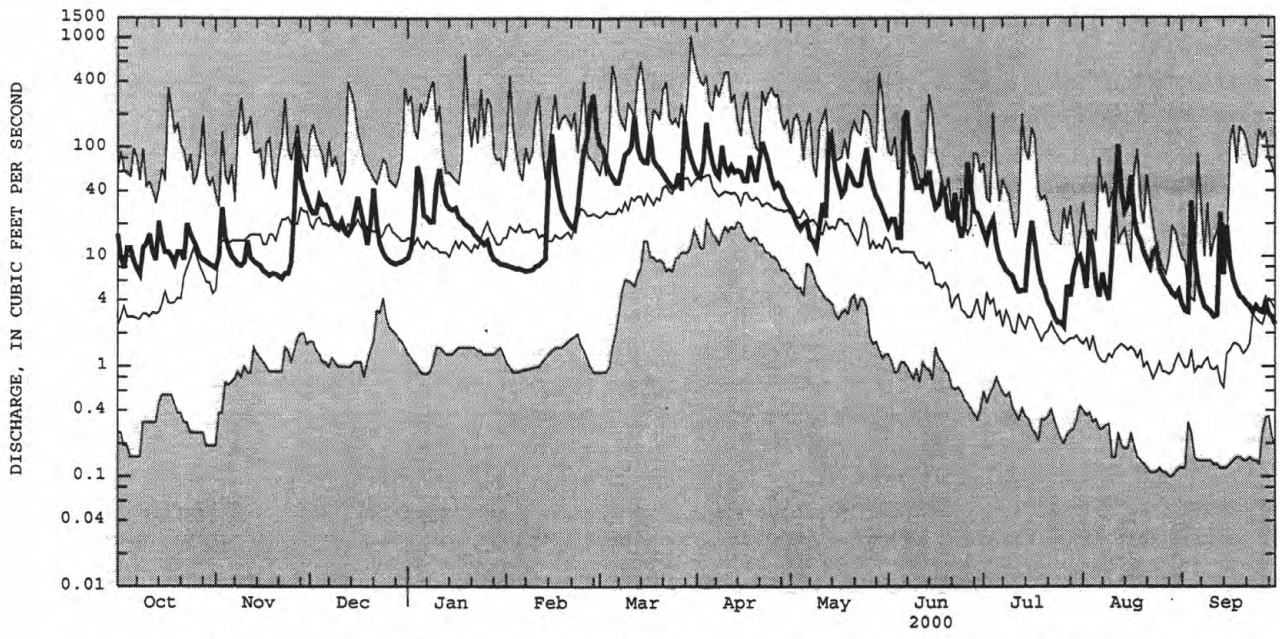
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	7.8	28	e9.8	e8.4	104	58	28	19	17	7.8	3.7
2	9.8	10	25	12	e8.2	98	54	24	22	14	5.1	3.2
3	7.8	28	25	22	e8.0	73	74	20	22	19	17	3.1
4	12	15	35	67	e7.8	61	167	18	15	22	11	32
5	12	12	30	51	e7.8	54	99	20	15	13	5.7	9.9
6	9.1	10	30	24	e7.6	48	72	21	180	9.7	4.3	5.7
7	7.7	9.3	26	e23	e7.4	48	59	15	212	8.6	7.0	4.4
8	6.8	8.5	21	21	7.5	63	54	14	89	7.5	4.9	3.5
9	12	8.3	19	21	7.6	86	103	12	59	7.0	4.0	3.3
10	13	8.9	18	46	8.2	91	68	19	43	6.6	10	3.1
11	16	14	21	64	e8.4	102	59	31	43	5.5	38	2.8
12	11	9.8	17	40	e9.0	193	68	23	49	4.8	104	2.9
13	9.3	9.1	16	31	e9.6	101	60	135	47	4.9	40	25
14	21	8.6	18	e28	e60	81	62	112	61	4.9	26	6.8
15	14	8.3	25	e27	132	74	60	63	37	12	30	19
16	11	7.4	35	e28	61	73	50	48	28	21	55	8.8
17	11	7.1	26	e23	40	130	50	37	30	13	23	6.1
18	10	6.7	19	e22	e28	77	83	41	43	7.8	16	5.0
19	8.6	7.0	13	e20	e24	69	62	64	37	5.7	14	4.3
20	11	6.9	20	e19	e21	64	49	57	23	4.9	11	4.1
21	11	6.6	42	e18	e19	58	76	47	22	3.8	9.3	3.7
22	9.4	6.3	e20	e16	e18	52	111	45	38	3.4	8.0	3.5
23	20	7.0	e13	e15	28	47	91	46	20	2.8	11	3.1
24	16	7.0	e11	e14	55	43	71	72	15	2.5	12	3.5
25	14	8.9	e9.8	e13	97	44	53	98	19	2.5	7.6	3.2
26	12	28	e9.2	14	122	58	44	57	72	2.3	6.5	3.1
27	10	124	e8.8	11	241	41	47	44	43	5.4	5.7	3.8
28	9.4	53	e8.6	9.5	303	176	43	36	26	4.3	5.2	3.0
29	9.0	41	e8.8	9.2	143	102	35	32	25	7.1	4.6	2.8
30	8.5	34	e9.0	e8.6	---	81	31	27	21	9.2	4.3	2.4
31	8.2	---	e9.4	e8.6	---	67	---	23	---	10	4.8	---
TOTAL	356.6	518.5	616.6	735.7	1497.5	2459	2013	1329	1375	262.2	512.8	188.8
MEAN	11.5	17.3	19.9	23.7	51.6	79.3	67.1	42.9	45.8	8.46	16.5	6.29
MAX	21	124	42	67	303	193	167	135	212	22	104	32
MIN	6.8	6.3	8.6	8.6	7.4	41	31	12	15	2.3	4.0	2.4
CFSM	.71	1.07	1.23	1.46	3.19	4.90	4.14	2.65	2.83	.52	1.02	.39
IN.	.82	1.19	1.42	1.69	3.44	5.65	4.62	3.05	3.16	.60	1.18	.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	13.5	21.9	24.6	27.0	30.0	55.2	58.5	30.9	15.0	6.41	3.86	6.30
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	7216.91		11864.7			
ANNUAL MEAN	19.8		32.4		24.4	
HIGHEST ANNUAL MEAN					40.9	1993
LOWEST ANNUAL MEAN					12.7	1985
HIGHEST DAILY MEAN	340	Jan 24	303	Feb 28	1030	Mar 30 1993
LOWEST DAILY MEAN	.37	Aug 4	2.3	Jul 26	.10	Aug 28 1980
ANNUAL SEVEN-DAY MINIMUM	.39	Aug 2	3.1	Sep 24	.11	Aug 24 1980
ANNUAL RUNOFF (CFSM)	1.22		2.00		1.50	
ANNUAL RUNOFF (INCHES)	16.57		27.24		20.44	
10 PERCENT EXCEEDS	46		73		57	
50 PERCENT EXCEEDS	11		19		12	
90 PERCENT EXCEEDS	.83		4.9		.95	

e Estimated



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

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY

LOCATION.--Lat 42°27'57", long 74°27'45", Schoharie County, Hydrologic Unit 02020005, on left bank 2,300 ft upstream from West Kill, and 1.2 mi upstream from bridge on State Highway 30 in North Blenheim.
DRAINAGE AREA.--358 mi^2.
PERIOD OF RECORD.--October 1970 to current year (January 20 to September 30, 1996, discharges only for days of mean flow less than or equal to 400 ft^3/s). Occasional measurements, water years 1969-70.
REVISED RECORDS.--WDR NY-87-1: 1984(M). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 800 ft above sea level, from topographic map. Prior to Oct. 1, 1971, at datum 1.00 ft higher.
REMARKS.--Records poor. Regulation of flow by Blenheim-Gilboa Pumped Storage Project immediately upstream from gage. Entire flow, runoff from 315 mi^2, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. For periods of spill see station 01350101. From January 19, 1996, through September 30, 1998, undetermined amounts of flow greater than about 400 ft^3/s bypassed the gage. Since October 1, 1998, undetermined amounts of flow greater than about 2,000 ft^3/s bypass the gage. Records for periods when flows bypass the gage are furnished by the New York Power Authority.
COOPERATION.--Records of flow greater than 2,000 ft^3/s provided by the New York Power Authority.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 75,600 ft^3/s, Jan. 19, 1996, gage height, 17.16 ft, outside gage height was 17.61 ft, from floodmark, from rating curve extended above 12,000 ft^3/s on basis of computation of peak flow through radial gates at gage heights 13.34 ft, 14.72 ft, and 16.70 ft from floodmarks; minimum discharge, no flow, Oct. 12, 15, Oct. 16 to Nov. 1, Nov. 2, 1972, Sept. 12, 13, 14, 1973.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,500 ft^3/s, June 7, from New York Power Authority, gage height, 11.76 ft; minimum discharge, 5.2 ft^3/s, Sept. 11, 25, gage height, 0.88 ft.

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	938	303	634	21	135	2490	1120	474	426	299	109	7.4
2	280	322	550	10	68	2080	1020	365	275	150	99	7.5
3	33	4820	215	15	52	1530	1210	151	65	255	99	6.5
4	201	1680	217	174	19	1190	2620	90	51	158	77	111
5	808	1110	115	137	14	999	2370	56	37	187	21	26
6	708	836	198	57	12	983	1580	61	4560	125	7.6	7.0
7	551	635	189	41	10	713	1330	53	13800	68	8.5	21
8	497	732	153	34	18	1020	1200	50	4290	34	8.3	20
9	374	440	41	19	16	1070	1740	54	2150	22	7.6	7.4
10	480	569	35	25	43	1950	1450	43	1340	14	112	6.3
11	558	514	55	209	73	1680	1220	105	1140	9.6	65	6.0
12	472	466	42	117	32	4470	1240	67	2300	8.0	500	7.0
13	346	337	23	50	29	2640	1200	422	1710	7.6	664	106
14	503	308	54	62	72	1810	1130	1690	1960	7.6	355	45
15	401	395	92	24	161	1490	1200	947	1370	9.9	384	18
16	432	208	52	12	84	1210	968	556	1020	1030	434	42
17	416	163	79	39	68	3090	1110	263	847	945	327	23
18	490	141	37	87	70	1910	1590	216	801	526	240	12
19	309	166	11	53	61	1470	1340	375	903	384	144	29
20	358	188	10	57	39	1370	1080	861	660	248	46	7.5
21	294	99	102	59	35	1130	1150	472	421	187	88	7.4
22	401	26	85	65	59	947	3000	403	822	65	46	7.5
23	414	121	33	28	64	962	2670	342	573	43	9.3	7.4
24	598	127	12	11	133	749	2240	508	393	54	45	6.3
25	572	101	e11	24	197	740	1520	1300	314	30	38	5.9
26	501	159	10	28	317	921	1130	1090	550	12	8.5	6.6
27	436	2130	9.7	116	592	890	1090	950	434	7.6	6.8	6.9
28	383	1290	33	e40	8190	3870	881	800	314	19	6.4	7.1
29	452	933	72	e27	4340	2580	691	678	303	86	6.8	7.3
30	256	805	31	e25	---	1860	544	697	432	133	6.8	7.5
31	257	---	28	e150	---	1520	---	538	---	200	7.0	---
TOTAL	13719	20124	3228.7	1816	15003	51334	42634	14677	44261	5324.3	3976.6	585.5
MEAN	443	671	104	58.6	517	1656	1421	473	1475	172	128	19.5
MAX	938	4820	634	209	8190	4470	3000	1690	13800	1030	664	111
MIN	33	26	9.7	10	10	713	544	43	37	7.6	6.4	5.9

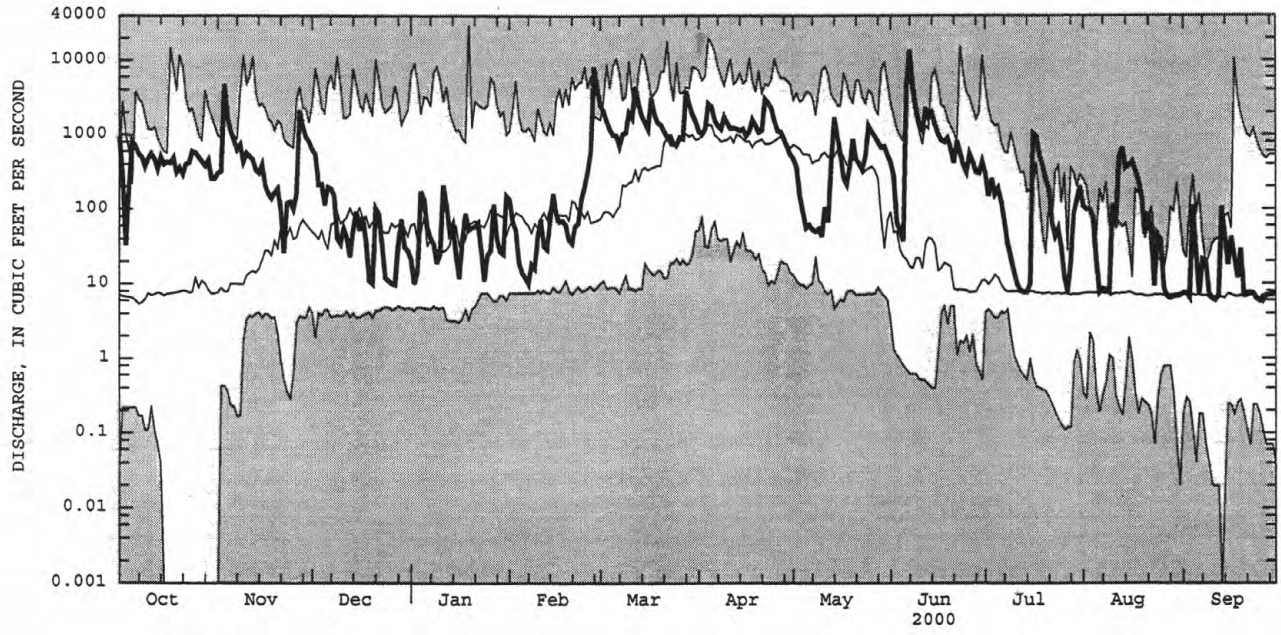
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

MEAN	187	299	377	353	356	901	1349	708	304	66.5	15.0	46.3
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	119666.7		216683.1			
ANNUAL MEAN	328		592		410	
HIGHEST ANNUAL MEAN					834	1978
LOWEST ANNUAL MEAN					21.7	1985
HIGHEST DAILY MEAN	10600	Sep 17	13800	Jun 7	29900	Jan 19 1996
LOWEST DAILY MEAN	4.6	Jan 7	5.9	Sep 25	.00	Oct 15 1972
ANNUAL SEVEN-DAY MINIMUM	5.2	Jan 1	6.8	Sep 23	.00	Oct 15 1972
10 PERCENT EXCEEDS	889		1500		1130	
50 PERCENT EXCEEDS	48		199		30	
90 PERCENT EXCEEDS	6.6		9.8		5.0	

e Estimated

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY--Continued



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

01350355 SCHOHARIE CREEK AT BREAKABEEN, NY

LOCATION.--Lat 42°32'13", long 74°24'39", Schoharie County, Hydrologic Unit 02020005, on left bank 100 ft downstream from bridge on State Highway 30, 0.9 mi north of Breakabeen, and 1.1 mi downstream from Keyser Kill.
DRAINAGE AREA.--444 mi^2.
PERIOD OF RECORD.--July 1975 to current year.
REVISED RECORDS.--WDR NY-81-1: 1980(M). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 686.79 ft above 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 mi^2, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. For periods of spill see station 01350101. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,200 ft^3/s, Jan. 19, 1996, gage height, 20.51 ft, outside gage height was 20.96 ft, from floodmarks, from rating curve extended above 20,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow at gage height about 19.5 ft; minimum discharge, 1.7 ft^3/s, Oct. 14, 1980; minimum gage height, 0.25 ft, Sept. 26, 1985.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,600 ft^3/s, June 7, gage height, 11.88 ft; minimum, 25 ft^3/s, July 15, gage height, 1.91 ft.

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	1410	393	1020	93	301	3860	1730	778	666	e500	185	38
2	566	411	919	82	168	3280	1530	630	492	e230	124	39
3	135	5120	444	104	e130	2440	1830	366	269	e450	142	36
4	229	2430	436	388	e100	1910	3720	232	162	e250	129	220
5	1160	1600	359	503	e90	1620	3570	191	130	e300	63	131
6	1030	1200	361	e210	e80	1530	2470	183	3580	204	33	54
7	824	901	402	e170	e74	1160	2020	167	15800	130	41	49
8	743	1040	357	e150	e70	1680	1820	140	5520	79	39	60
9	537	654	171	e140	e74	1800	2690	139	3380	64	30	42
10	691	770	157	170	89	3080	2240	125	2210	53	213	42
11	811	752	184	597	163	2580	1890	309	1780	41	132	36
12	702	652	159	418	e100	5680	1920	214	3130	35	1270	37
13	532	499	124	261	e84	4000	1850	1240	2590	30	1380	390
14	755	431	153	310	188	2820	1800	2760	2970	27	714	176
15	579	517	245	220	665	2290	1880	1690	2140	46	793	215
16	634	354	220	e160	360	1940	1540	1010	1670	1340	1110	166
17	596	230	232	e120	240	4090	1690	614	1370	1540	695	119
18	691	217	169	e170	222	2820	2360	523	1270	784	478	79
19	474	215	113	e160	217	2240	2060	779	1510	561	323	92
20	525	258	113	e150	188	2050	1710	1400	1050	343	153	68
21	451	195	278	e170	134	1750	1740	887	697	255	168	57
22	566	69	244	e130	198	1530	3960	755	1340	125	132	52
23	618	150	157	e110	202	1470	3910	688	986	68	88	48
24	871	181	104	e94	385	1190	3300	960	606	69	172	49
25	847	162	86	e96	730	1170	2280	2170	496	63	125	46
26	713	210	e80	e100	1060	1450	1760	1840	1130	37	76	43
27	624	2930	e76	172	1860	1310	1690	1450	872	35	60	45
28	553	2110	93	e110	9140	4460	1470	1280	619	35	52	40
29	629	1460	172	e100	5800	4010	1170	1070	e450	80	e48	36
30	392	1280	117	e92	---	2760	914	1070	e800	199	e44	34
31	379	---	107	106	---	2280	---	819	---	303	41	---
TOTAL	20267	27391	7852	5856	23112	76250	64514	26479	59685	8276	9053	2539
MEAN	654	913	253	189	797	2460	2150	854	1990	267	292	84.6
MAX	1410	5120	1020	597	9140	5680	3960	2760	15800	1540	1380	390
MIN	135	69	76	82	70	1160	914	125	130	27	30	34

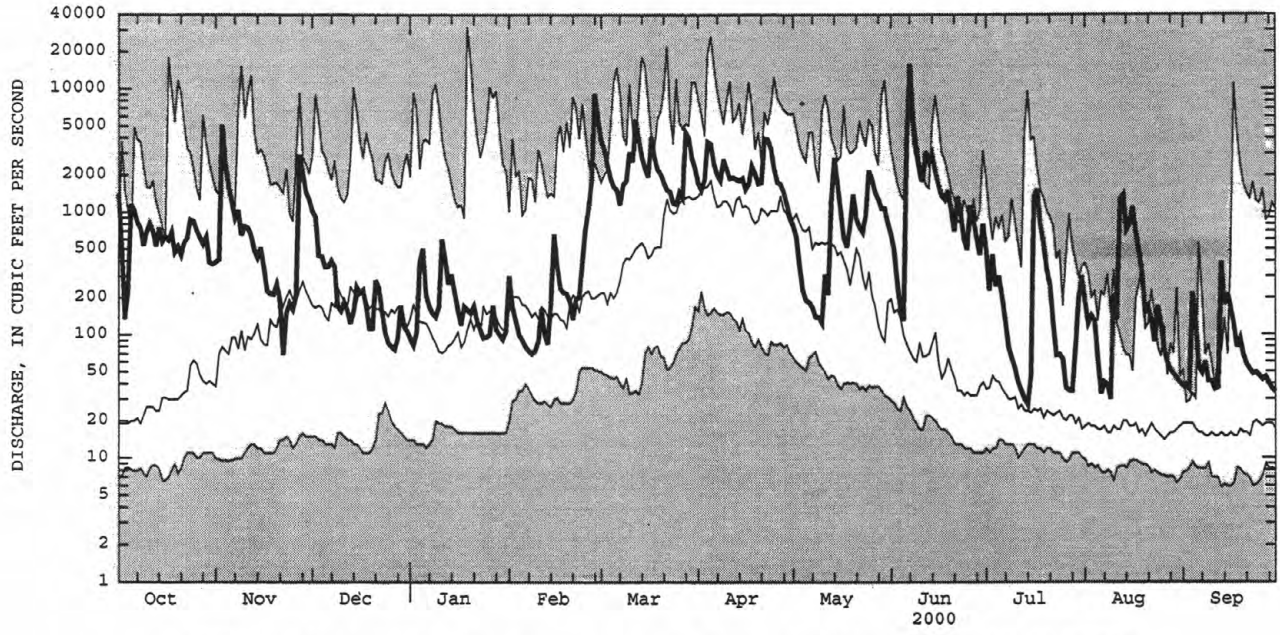
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	324	481	442	544	488	1246	1722	888	377	116	37.8	86.5
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	9.69
(WY)	1983	1999	1999	1981	1992	1989	1981	1995	1991	1993	1980	1982

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	172834		331274			
ANNUAL MEAN	474		905		562	
HIGHEST ANNUAL MEAN					1152	1996
LOWEST ANNUAL MEAN					89.9	1985
HIGHEST DAILY MEAN	11100	Sep 17	15800	Jun 7	31600	Jan 19 1996
LOWEST DAILY MEAN	10	Sep 14	27	Jul 14	5.8	Sep 13 1980
ANNUAL SEVEN-DAY MINIMUM	11	Aug 31	42	Sep 24	6.3	Sep 11 1980
10 PERCENT EXCEEDS	1400		2280		1530	
50 PERCENT EXCEEDS	162		391		99	
90 PERCENT EXCEEDS	14		59		14	

e Estimated

01350355 SCHOHARIE CREEK AT BREAKABEEN, NY--Continued



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

01351500 SCHOHARIE CREEK AT BURTONSVILLE, NY

LOCATION.--Lat 42°48'00", long 74°15'48", Schenectady County, Hydrologic Unit 02020005, on right bank 0.4 mi south of Burtonsville, 2.7 mi north of Esperance, and 14.9 mi upstream from mouth.
DRAINAGE AREA.--886 mi^2.
PERIOD OF RECORD.--October 1939 to current year.
REVISED RECORDS.--WDR NY-82-1: 1981(average discharge). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 507.98 ft above 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 mi^2, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. For periods of spill see station 01350101. National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft^3/s, Jan. 20, 1996, gage height, 12.88 ft; minimum, 2.4 ft^3/s, Sept. 24, 25, 1964, gage height, 0.30 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of March 1936 and September 1938 reached stages of 10.5 and 10.2 ft, respectively, from information provided by local resident. However, flood of October 1903 is known to have reached a higher stage than the 1936 or 1938 flood.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,200 ft^3/s, June 7, gage height, 8.11 ft; minimum, 118 ft^3/s, July 14, gage height, 0.96 ft.

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	1350	422	1460	413	e1100	6830	2840	1520	1170	902	772	247
2	1190	503	1270	387	e660	5430	2320	1430	935	648	541	317
3	542	3850	1040	376	e720	4310	2600	1250	1160	494	439	448
4	362	3180	938	1590	e680	3230	7900	885	677	616	453	385
5	776	1700	1140	2820	e490	2710	7570	769	522	519	408	559
6	1200	1320	894	1170	e450	2310	4610	670	4520	474	283	389
7	1040	1140	1000	993	e430	2180	3500	615	30300	382	250	285
8	866	947	827	836	e360	3170	2930	549	11500	302	284	247
9	767	1010	680	672	e390	3620	4530	507	5480	234	248	255
10	756	711	557	727	e450	5350	4330	591	3400	207	495	454
11	808	876	577	2630	e600	4280	3670	1240	2380	186	675	356
12	906	859	535	1820	e460	10200	3790	940	3410	158	3500	276
13	742	740	478	1200	e410	7260	3590	2980	3880	141	3600	1110
14	639	559	443	797	e640	4780	3630	5750	5160	130	1770	1000
15	845	529	589	887	e2500	3880	3640	3600	3250	171	1800	1170
16	763	647	900	1050	e1700	3300	3070	2190	2390	1960	3360	1050
17	690	361	901	e640	e1100	5910	2650	1630	1940	3310	2210	690
18	666	331	725	e680	e980	4580	3530	1380	1660	1560	1360	535
19	708	301	521	e720	e880	3610	3620	2480	1950	1120	1080	443
20	531	322	433	e640	e700	3320	2840	3020	1610	764	809	419
21	612	338	746	e680	e560	3010	3030	2220	1330	587	610	371
22	548	270	829	e700	e960	2590	6480	1780	1650	506	570	325
23	741	195	585	e540	e860	2220	7300	1640	1570	370	521	301
24	922	253	e500	e520	e1500	2000	5750	2310	1080	284	985	509
25	935	275	e450	e540	e3300	1800	4020	3420	913	251	685	397
26	912	302	e400	e540	e4600	2160	3110	3140	1130	227	507	330
27	794	2600	e400	e560	7800	1900	2990	2310	1480	201	409	285
28	715	3550	e420	e520	20400	6970	2940	1900	1090	199	366	262
29	652	1930	452	e540	12800	8040	2320	1660	807	198	321	233
30	679	1770	540	e520	---	4650	1790	1480	1010	410	286	209
31	456	---	470	e400	---	3530	---	1360	---	662	264	---
TOTAL	24113	31791	21700	27108	68480	129130	116890	57216	99354	18173	29861	13857
MEAN	778	1060	700	874	2361	4165	3896	1846	3312	586	963	462
MAX	1350	3850	1460	2820	20400	10200	7900	5750	30300	3310	3600	1170
MIN	362	195	400	376	360	1800	1790	507	522	130	248	209

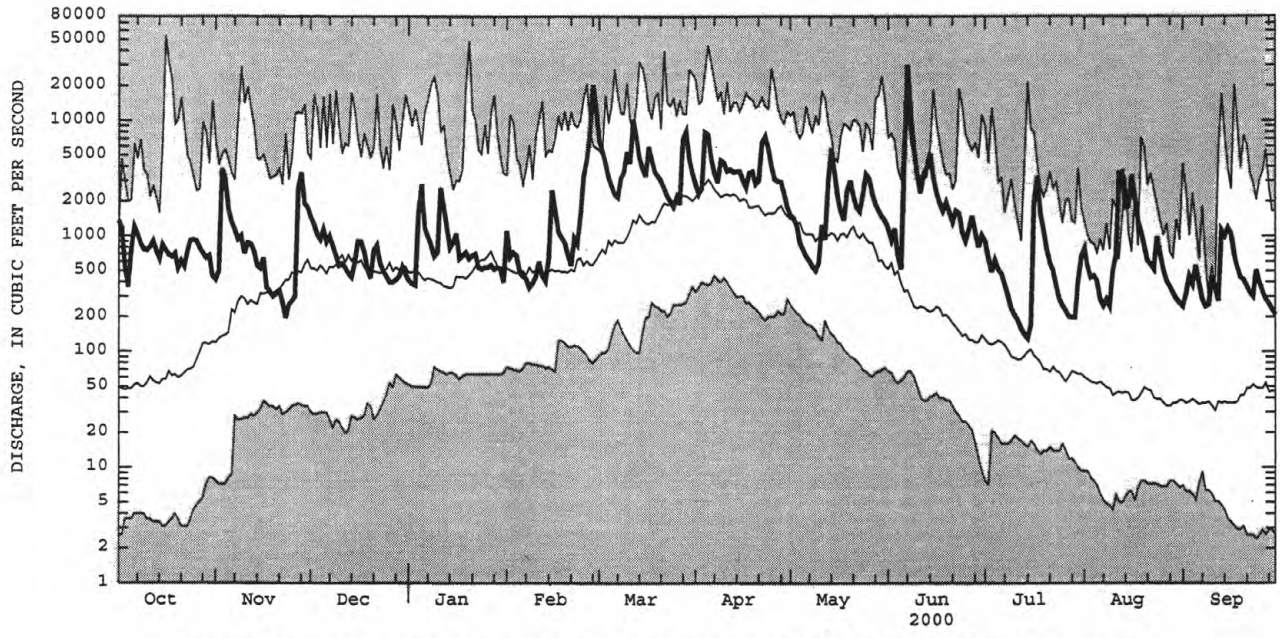
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	427	777	993	1033	1076	2400	3106	1587	681	242	125	182
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	317568		637673			
ANNUAL MEAN	870		1742		1051	
HIGHEST ANNUAL MEAN					2014	1996
LOWEST ANNUAL MEAN					320	1965
HIGHEST DAILY MEAN	20500	Sep 17	30300	Jun 7	54100	Oct 16 1955
LOWEST DAILY MEAN	20	Aug 7	130	Jul 14	2.4	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	21	Aug 6	175	Jul 9	2.6	Sep 21 1964
10 PERCENT EXCEEDS	2080		3710		2730	
50 PERCENT EXCEEDS	478		863		330	
90 PERCENT EXCEEDS	32		312		31	

e Estimated

01351500 SCHOHARIE CREEK AT BURTONSVILLE, NY--Continued



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

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

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1917 to current year. Prior to July 17, 1925, published as "at Crescent Dam".
REVISED RECORDS.--WSP 1302: 1919-23 (M). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 49.13 ft above 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 Cresent Dam to Barge Canal through Lock 6 (see 01357499 Diversion from Mohawk River at Crescent Dam). Prior to 1926 records published as total flow. See Diversions in Hudson River Basin for regulation and diversions upstream from this station. Telephone gage-height telemeter at station.
COOPERATION.--Diversions through Barge Canal at Lock 6 provided by New York State Department of Transportation.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 143,000 ft^3/s, Mar. 6, 1964, result of release from ice jam, gage height, 23.15 ft; minimum discharge (water years 1918-90), 6 ft^3/s, Sept. 18, 1941, gage height, 3.40 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--An extreme flood occurred sometime from 1860-65 with a depth of 12 ft on the Cohoes dam and a peak discharge estimated to be at least 200,000 ft^3/s (from New York State Museum Bulletin 85).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 41,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 29	0530	a*89,700	*20.29	May 14	1230	48,300	17.24
Apr. 5	0130	47,300	17.15	June 7	2200	60,800	18.28

a Result of release from ice jam.

Minimum discharge not determined.

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	3810	1930	7980	2920	3050	30600	14600	7350	4640	2850	5250	2100
2	3800	2130	9010	2850	3270	23100	11600	7220	4680	2670	4700	2500
3	2870	2840	11700	3050	3680	19200	10100	6710	6130	2990	8300	4350
4	2300	7890	9980	6160	2910	14300	22500	6290	5750	2640	7210	2240
5	3780	3530	7430	26700	e2900	11700	41100	3080	4670	2380	2050	2390
6	4450	2950	5870	16400	e2800	10500	28900	3530	8990	2900	4820	2430
7	2380	3200	6090	10200	e2700	9660	22400	4510	53500	2600	2570	2680
8	3030	2790	5940	8170	e2900	10400	17700	5560	36600	1900	4170	1940
9	3690	2470	4830	6480	e2600	13800	18000	3110	13300	1990	3160	1480
10	3520	2600	3800	6550	2450	18100	22200	3940	9870	2110	3080	3470
11	3250	2760	3810	12300	e2700	18300	21600	22000	8940	1790	3210	2760
12	4330	2730	4180	18200	e2900	23400	19600	20400	9280	1690	9080	2350
13	2980	3020	4110	12500	3060	25400	17900	21200	9430	1740	16500	5110
14	3720	2670	3770	7880	3150	17600	15800	42800	23600	1780	7310	6920
15	5160	2700	3890	4500	3440	14100	15200	35400	16100	4300	4460	3720
16	3860	2750	4650	4330	e5200	12100	14500	24000	11100	23200	7520	5680
17	3580	1540	5150	4080	e5800	13800	13500	16300	7920	14200	8990	4320
18	3360	2520	4900	2260	e5200	15800	11800	9050	6860	9370	7160	1570
19	3700	2020	3540	3420	4840	12300	12500	14600	6050	7820	6140	3070
20	2620	2490	3540	3570	4640	11500	9420	15400	4650	4860	4530	2160
21	2810	2490	3580	3720	4360	11000	7480	13400	3580	3870	3080	2800
22	2530	2360	6580	3280	3970	10300	20200	11100	7310	2980	3120	1670
23	2720	2370	6190	3060	3580	9210	26400	8230	8480	2760	3300	2340
24	4000	1740	4720	2940	4650	8430	22300	16200	6780	2660	6280	2680
25	3260	2690	3630	3170	6740	8510	17000	22100	4560	2260	5580	3020
26	5360	2490	3110	3000	16500	8100	11400	17600	4040	1900	4370	2680
27	4190	6200	2800	e3100	26400	7990	8830	15100	3710	1810	3910	2180
28	1940	13700	2470	e2900	52400	12800	10400	11400	3870	2310	2780	2450
29	2620	11800	2190	e2700	52800	34000	8960	7570	4220	1430	1970	3270
30	2750	7540	2910	e2700	---	23100	8500	6600	3710	2320	2530	1100
31	2610	---	3190	2900	---	18000	---	7250	---	8170	2140	---
TOTAL	104980	110910	155540	195990	241590	477100	502390	409000	302320	128250	159270	87430
MEAN	3386	3697	5017	6322	8331	15390	16750	13190	10080	4137	5138	2914
MAX	5360	13700	11700	26700	52800	34000	41100	42800	53500	23200	16500	6920
MIN	1940	1540	2190	2260	2450	7990	7480	3080	3580	1430	1970	1100

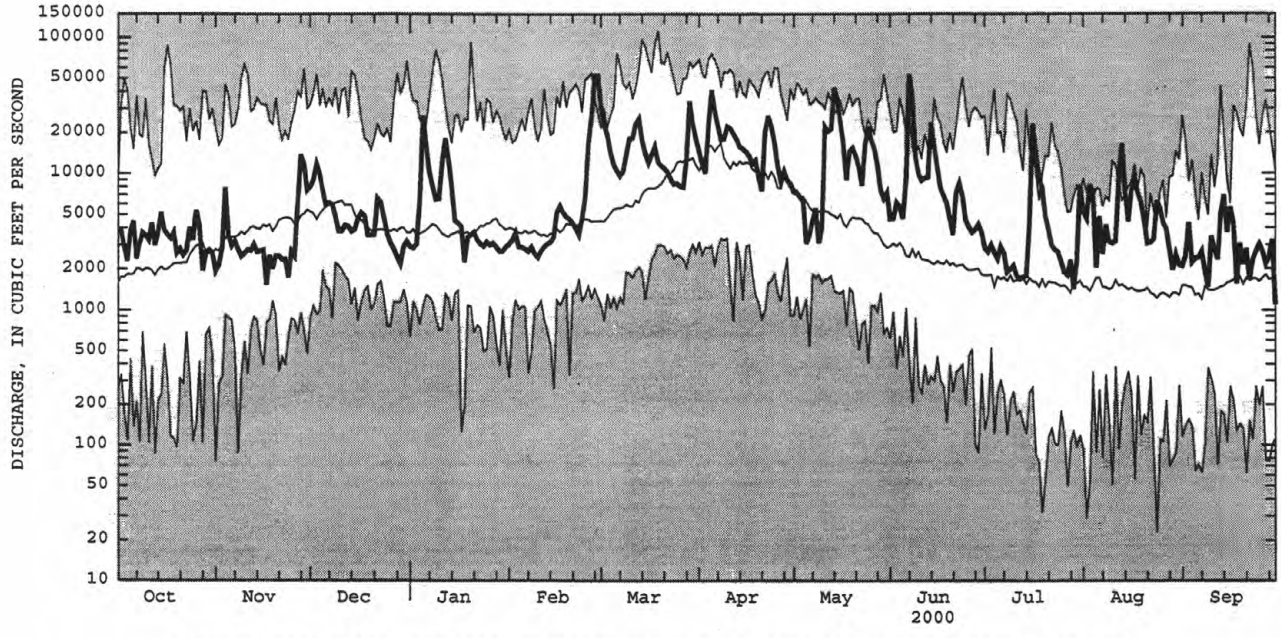
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2000, BY WATER YEAR (WY)

MEAN	3331	5470	6292	5783	5762	11170	13790	6868	3563	2360	1737	2294
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1926 - 2000	
ANNUAL TOTAL	1632267		2874770			
ANNUAL MEAN	4472		7855		5695	
HIGHEST ANNUAL MEAN					8270	1972
LOWEST ANNUAL MEAN					3017	1965
HIGHEST DAILY MEAN	31300	Sep 17	53500	Jun 7	112000	Mar 19 1936
LOWEST DAILY MEAN	175	Sep 4	1100	Sep 30	23	Aug 24 1941
ANNUAL SEVEN-DAY MINIMUM	555	Aug 21	1860	Jul 8	458	Aug 24 1995
10 PERCENT EXCEEDS	11300		18000		13100	
50 PERCENT EXCEEDS	2910		4410		3330	
90 PERCENT EXCEEDS	676		2360		1140	



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

01357500 MOHAWK RIVER AT COHOES, NY--Continued

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

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	103	85	3.0	3.0	3.0	3.0	121	133	187	127	139
2	133	85	85	3.0	3.0	3.0	3.0	103	121	199	115	121
3	127	91	85	3.0	3.0	3.0	3.0	109	133	169	139	169
4	139	91	3.0	3.0	3.0	3.0	3.0	121	139	187	109	139
5	127	85	3.0	3.0	3.0	3.0	3.0	109	145	157	187	139
6	139	79	3.0	3.0	3.0	3.0	3.0	115	109	145	133	97
7	103	79	3.0	3.0	3.0	3.0	3.0	127	73	163	139	121
8	115	97	3.0	3.0	3.0	3.0	3.0	109	97	175	103	133
9	103	79	3.0	3.0	3.0	3.0	73	115	115	163	121	133
10	127	79	3.0	3.0	3.0	3.0	73	103	133	145	157	157
11	109	85	3.0	3.0	3.0	3.0	79	103	85	115	139	109
12	121	103	3.0	3.0	3.0	3.0	73	115	73	139	121	91
13	109	85	3.0	3.0	3.0	3.0	85	103	85	127	151	103
14	79	91	3.0	3.0	3.0	3.0	3.0	73	79	151	109	133
15	115	85	3.0	3.0	3.0	3.0	3.0	73	79	133	121	127
16	133	97	3.0	3.0	3.0	3.0	3.0	73	85	109	109	145
17	139	73	3.0	3.0	3.0	3.0	73	103	103	151	133	127
18	103	85	3.0	3.0	3.0	3.0	73	85	85	163	145	103
19	91	73	3.0	3.0	3.0	3.0	73	103	121	151	187	127
20	115	79	3.0	3.0	3.0	3.0	73	139	139	151	145	145
21	103	79	3.0	3.0	3.0	3.0	73	139	109	187	133	133
22	85	85	3.0	3.0	3.0	3.0	73	157	127	169	139	139
23	127	85	3.0	3.0	3.0	3.0	73	133	109	145	127	121
24	97	85	3.0	3.0	3.0	3.0	73	121	139	145	133	145
25	91	79	3.0	3.0	3.0	3.0	91	127	121	157	103	127
26	85	73	3.0	3.0	3.0	3.0	79	121	115	133	127	109
27	85	73	3.0	3.0	3.0	3.0	73	145	139	127	133	145
28	103	73	3.0	3.0	3.0	3.0	91	139	139	121	139	121
29	85	73	3.0	3.0	3.0	3.0	73	127	157	157	139	145
30	121	73	3.0	3.0	---	3.0	73	133	187	139	151	133
31	85	---	3.0	3.0	---	3.0	---	157	---	115	133	---
TOTAL	3397	2502	339.0	93.0	87.0	93.0	1480.0	3601	3474	4675	4147	3876
MEAN	110	83.4	10.9	3.00	3.00	3.00	49.3	116	116	151	134	129
MAX	139	103	85	3.0	3.0	3.0	91	157	187	199	187	169
MIN	79	73	3.0	3.0	3.0	3.0	3.0	73	73	109	103	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.

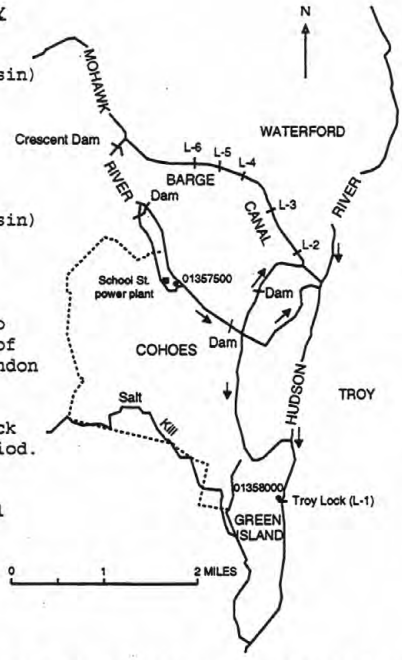
DIVERSIONS
(see Reservoirs in Hudson River Basin)

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.

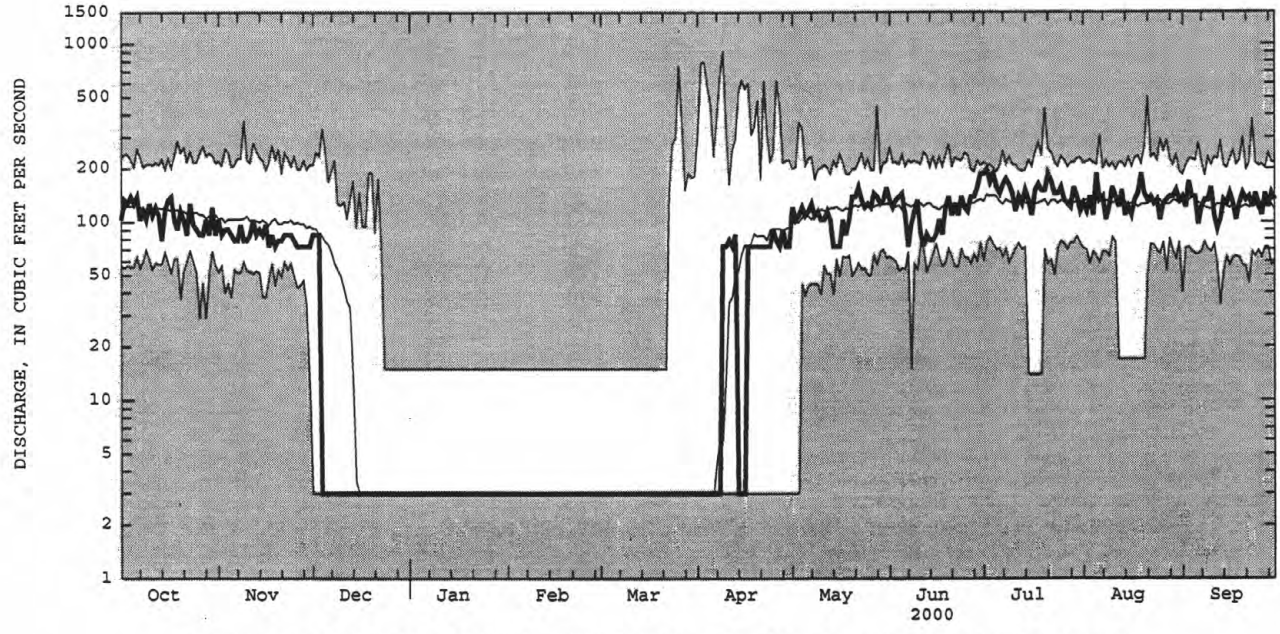
01357500 MOHAWK RIVER AT COHOES, NY--Continued

Statistics and hydrograph for Diversion (01357499)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2000, BY WATER YEAR (WY)

MEAN	121	109	33.5	3.40	3.40	7.13	67.6	119	127	133	131	126
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1926 - 2000	
ANNUAL TOTAL	28503.0		27764.0			
ANNUAL MEAN	78.1		75.9		82.1	
HIGHEST ANNUAL MEAN					122	1937
LOWEST ANNUAL MEAN					57.8	1963
HIGHEST DAILY MEAN	211	Sep 3	199	Jul 2	913	Apr 9 1967
LOWEST DAILY MEAN	3.0	Jan 1	3.0	Dec 4	3.0	Dec 18 1934
ANNUAL SEVEN-DAY MINIMUM	3.0	Jan 1	3.0	Dec 4	3.0	Dec 18 1934
10 PERCENT EXCEEDS	151		145		156	
50 PERCENT EXCEEDS	91		85		95	
90 PERCENT EXCEEDS	3.0		3.0		3.0	



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

01357500 MOHAWK RIVER AT COHOES, NY--Continued
(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).
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).
ORGANIC DATA: OC--1976 (a), 1977 (c), 1978-79 (d), 1993 (c), 1994 (d), 1995 (e), 1996-97 (d), 1999-2000 (e).
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), 1996-2000 (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), 1997-2000 (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.--Pesticide data collected before April 3, 2000, were analyzed using the USGS Schedule 2001-2010 method and the USGS Kansas District Organic Geochemistry Laboratory GCMS and HPLC methods and those collected on or after April 3, 2000, were analyzed using the USGS Schedule 2001-2010 method and the USGS Kansas District Organic Geochemistry Laboratory LCMS method (see tables following the Introduction to 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, 60 indicates a weighted-bottle sample. Particulate-organic-carbon samples collected between March 1, 1999, and January 11, 2000, were filtered using a 1-micron glass-fiber filter; samples collected after January 11, 2000, 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 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
08...	0900	5250	79	8.4	7.60	342	13.5	40	6.4	1.9
NOV										
05...	1130	5490	94	10.8	7.80	267	9.5	33	5.2	1.2
DEC										
08...	1350	6100	--	12	--	--	5.0	37	6.1	1.2
JAN										
05...	1400	22000	--	--	--	--	--	31	5.4	1.8
FEB										
02...	1205	3120	--	--	7.6	330	--	36	6.3	1.1
APR										
03...	1130	10300	--	12	7.5	227	6.0	26	4.3	.9
MAR										
07...	1040	9660	78	11	6.7	277	3.0	32	5.5	1.2
MAY										
04...	1000	7060	--	--	6.8	268	--	29	4.9	.9
17...	1140	17000	--	--	--	--	--	--	--	--
JUN										
06...	1100	5520	--	--	7.6	222	18.0	28	4.7	.9
21...	1315	3460	--	--	--	--	--	--	--	--
*21...	1320	3460	--	--	--	--	--	--	--	--
JUL										
05...	1420	2160	56	4.6	7.4	312	24.5	39	6.6	1.3
*05...	1425	2160	--	--	--	--	--	--	--	--
17...	1025	16100	--	--	--	--	--	--	--	--
AUG										
02...	1240	3410	52	4.4	7.4	279	23.0	32	5.4	1.1
16...	1435	7600	--	--	--	--	--	--	--	--
SEP										
05...	1430	2470	90	7.8	7.9	282	22.0	34	5.5	1.3
*05...	1431	2470	90	7.8	7.9	282	22.0	34	5.4	1.4
19...	1440	4080	--	--	--	--	--	--	--	--

* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	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)	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, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT										
08...	18	82	27	<.1	5.2	30	.4	.4	.10	.78
NOV										
05...	12	68	21	<.1	4.5	21	.3	.3	.06	.44
DEC										
08...	15	91	22	.1	4.7	21	.3	.5	.05	.52
JAN										
05...	13	71	23	<.1	4.4	22	.3	1.2	.13	.89
FEB										
02...	16	84	25	<.1	5.7	24	.3	.3	.11	1.1
APR										
03...	11	68	19	<.1	4.2	14	.2	.3	.04	.70
MAR										
07...	15	89	27	<.1	5.1	16	.2	.4	.05	.91
MAY										
04...	11	76	19	<.1	3.3	15	.2	.3	.06	.56
17...	--	--	--	--	--	--	--	--	--	--
JUN										
06...	11	78	14	<.1	3.8	12	.3	.4	.08	.50
21...	--	--	--	--	--	--	--	--	--	--
*21...	--	--	--	--	--	--	--	--	--	--
JUL										
05...	13	106	18	<.1	3.8	17	.3	.3	.04	.66
*05...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
AUG										
02...	11	94	17	<.1	4.2	17	.3	.3	.05	.54
16...	--	--	--	--	--	--	--	--	--	--
SEP										
05...	11	96	17	<.1	4.5	16	.3	.4	.05	.44
*05...	11	88	17	<.1	4.4	16	.3	.4	.05	.44
19...	--	--	--	--	--	--	--	--	--	--

DATE	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	ALA-CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)
OCT										
08...	.02	.049	.03	.074	193	35	36	<.20	<.20	<.002
NOV										
05...	<.01	.041	.03	.063	155	52	26	<.20	<.20	<.002
DEC										
08...	<.01	.029	.02	.052	173	37	18	<.20	<.20	<.002
JAN										
05...	.01	.043	.03	.38	168	24	12	<.20	<.20	<.002
FEB										
02...	.02	.049	.02	.057	197	47	22	<.20	<.20	<.002
APR										
03...	<.01	.015	<.01	.033	129	26	16	<.05	<.05	<.002
MAR										
07...	.01	<.006	.01	.043	163	22	23	--	--	<.002
MAY										
04...	<.01	.018	<.01	.043	144	32	36	<.05	.20	<.002
17...	--	--	--	--	--	--	--	<.05	.46	<.002
JUN										
06...	.01	.021	.01	.087	141	43	35	<.05	<.05	<.002
21...	--	--	--	--	--	--	--	<.05	<.05	<.002
*21...	--	--	--	--	--	--	--	--	--	--
JUL										
05...	.01	.024	.02	.041	178	13	6	<.05	<.05	.0116
*05...	--	--	--	--	--	--	--	<.05	<.05	--
17...	--	--	--	--	--	--	--	<.05	<.05	<.002
AUG										
02...	<.01	.029	.03	.060	155	35	10	<.05	<.05	<.002
16...	--	--	--	--	--	--	--	<.05	<.05	<.002
SEP										
05...	.01	.033	.03	.043	158	30	5	<.05	<.05	<.002
*05...	<.01	.032	.02	.045	158	31	4	<.05	<.05	<.002
19...	--	--	--	--	--	--	--	<.05	<.05	<.002

* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	AMETRYN WATER, DISS, REC, (UG/L) (38401)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA-ZINE-AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)
OCT										
08...	<.05	.0085	<.010	<.004	<.05	E.0087	<.05	.0050	<.20	<.20
NOV										
05...	<.05	.0061	<.003	<.004	<.05	E.0054	<.05	<.002	<.20	<.20
DEC										
08...	<.05	.0086	<.003	<.004	<.05	E.0068	<.05	<.002	<.20	<.20
JAN										
05...	<.05	.0257	<.003	<.004	<.05	E.0265	<.05	<.002	<.20	<.20
FEB										
02...	<.05	.0057	<.003	<.004	<.05	E.0058	<.05	<.002	<.20	<.20
APR										
03...	--	.0060	<.003	<.004	--	E.0055	--	<.002	.25	<.05
MAR										
07...	--	.0078	<.003	<.004	--	E.0080	--	<.002	--	--
MAY										
04...	--	.0074	<.003	<.004	--	E.0060	--	<.002	.28	.20
17...	--	.0559	E.0641	<.010	--	E.0125	--	.0050	.57	.35
JUN										
06...	--	.0207	E.0068	<.004	--	E.0089	--	.0060	.21	<.05
21...	--	.208	<.003	.0059	--	E.0193	--	E.0031	.24	.12
*21...	--	.14	--	--	--	E.009	<.074	--	--	--
JUL										
05...	--	.547	<.003	.0116	--	E.0321	--	.0055	.26	.10
*05...	--	--	--	--	--	--	--	--	.26	.09
17...	--	.581	<.003	.0380	--	E.0214	--	.0138	.34	.21
AUG										
02...	--	.0920	<.003	<.004	--	E.0111	--	<.002	.19	.08
16...	--	.0893	<.003	.0102	--	E.0180	--	.0067	.27	.15
SEP										
05...	--	.0219	<.003	<.004	--	E.0115	--	.0079	.16	.07
*05...	--	.0218	<.010	<.004	--	E.0131	--	.0076	.10	<.05
19...	--	.0156	<.003	<.004	--	E.0109	--	<.002	.17	.06

DATE	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	PROP-AZINE WATER DISS REC (UG/L) (38535)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
OCT									
08...	.0103	<.018	<.05	<.05	<.005	<.05	13	99	10
NOV									
05...	.0052	<.018	<.05	<.05	<.005	<.05	9	96	10
DEC									
08...	.0105	<.018	<.05	<.05	<.005	<.05	13	97	10
JAN									
05...	.0393	<.018	<.05	<.05	<.005	<.05	311	98	10
FEB									
02...	.0070	<.018	<.05	<.05	<.005	<.05	2	76	50
APR									
03...	.0076	<.018	--	--	<.005	--	41	98	10
MAR									
07...	.0125	<.018	--	--	<.005	--	47	95	10
MAY									
04...	.0066	<.018	--	--	<.005	--	15	98	10
17...	.0652	<.018	--	--	.0071	--	77	97	10
JUN									
06...	.0262	<.018	--	--	.0126	--	29	98	10
21...	.148	<.018	--	--	.0089	--	--	--	10
*21...	--	--	--	--	--	--	--	--	10
JUL									
05...	.382	E.0033	--	--	.0071	--	7	99	10
*05...	--	--	--	--	--	--	--	--	10
17...	.679	E.0046	--	--	.0613	--	43	95	50
AUG									
02...	.0830	E.0040	--	--	.0056	--	7	94	10
16...	.0782	<.018	--	--	.0063	--	--	--	60
SEP									
05...	.0164	<.018	--	--	<.005	--	4	95	10
*05...	.0164	E.0033	--	--	<.005	--	5	93	10
19...	.0136	<.018	--	--	<.005	--	--	--	10

E Estimated.
* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
OCT							
08...	1500	4040	--	--	16	89	10
NOV							
05...	1125	1790	--	--	2	67	10
DEC							
02...	1045	--	--	--	5	91	50
02...	1046	1520	--	--	4	87	60
02...	1105	1530	--	--	6	90	10
JAN							
06...	1155	1000	--	--	2	81	50
25...	1150	27700	--	--	125	97	10
FEB							
08...	1335	8430	--	--	6	94	10
MAR							
04...	1520	10200	--	--	20	93	50
04...	2020	15600	--	--	24	96	50
05...	1040	18000	4.0	2.1	50	99	50
06...	1510	12100	--	--	56	99	50
06...	1900	11500	--	--	50	98	50
11...	1320	3900	--	--	4	89	10
11...	1840	5630	2.8	.3	6	88	50
13...	1900	3740	3.3	.3	3	96	50
19...	0920	11300	3.0	.3	7	96	50
19...	2240	11600	3.1	.4	11	99	50
22...	0950	10100	3.2	.4	15	92	50
22...	1320	15600	3.1	.8	22	95	50
22...	1735	22400	3.1	2.0	--	--	10
22...	1740	22600	3.1	1.2	34	97	50
23...	1200	28700	4.0	5.3	212	99	50
24...	0140	20600	3.7	3.9	190	99	50
25...	0100	14300	3.4	1.4	48	97	50
26...	1950	13200	3.2	.5	16	95	50
29...	2000	12000	2.9	.5	9	94	50
31...	1350	15900	2.9	.7	16	97	50
APR							
01...	1520	17000	2.9	.9	23	96	50
02...	1530	15700	3.0	.9	21	94	50
03...	0910	16000	3.1	.8	21	97	50
04...	1120	16600	3.0	1.1	14	99	50
05...	0720	18300	2.9	.9	20	98	50
05...	1545	18400	2.8	.7	18	99	50
06...	0645	15500	2.9	.6	13	99	50
06...	1100	15100	2.9	.6	14	98	50
06...	1105	15100	2.8	.7	14	95	10
06...	1110	15200	--	--	16	88	10
07...	0350	14000	2.9	.6	14	94	50
07...	0820	13500	3.0	.5	14	93	50
09...	0830	11500	3.3	.9	14	88	50
09...	1400	12600	3.1	.8	11	87	50
10...	0800	12300	3.2	1.1	12	95	50
11...	0920	9620	3.0	1.3	7	94	50
12...	1400	8230	3.1	.6	5	95	50
15...	1520	3970	3.3	.3	7	72	50
18...	1520	6100	3.1	.4	9	87	50
21...	1520	2770	3.1	.7	6	98	50
24...	1520	3140	3.4	.4	8	93	50
MAY							
03...	1000	3170	3.5	.7	4	97	50
06...	1000	2230	--	--	3	92	10
06...	1030	2230	3.3	.4	3	86	50
10...	1240	3260	3.5	.3	7	89	50
11...	1240	3970	3.4	.4	6	95	50
12...	1240	6080	3.7	<.2	24	70	50
13...	1240	4100	3.3	.2	2	88	50
14...	1240	1680	3.3	.2	2	86	50
16...	0040	438	3.0	.3	4	74	50
17...	1640	2100	3.1	.3	2	78	50
18...	1240	2010	3.1	.3	7	80	50
19...	1240	1350	3.2	.5	3	56	50
20...	1240	2370	3.3	--	6	83	50
25...	1530	3630	--	--	7	85	50
JUN							
03...	1250	3630	3.8	.3	4	62	50
08...	1115	2150	--	--	4	73	50
10...	1430	2660	4.4	.4	2	64	50
17...	1340	1780	4.2	.5	3	61	50
22...	1000	650	4.2	.3	2	67	50
29...	1320	1740	4.3	.2	1	56	50

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
JUL							
04...	2030	12700	3.9	2.2	30	80	50
04...	2150	16200	4.1	2.2	29	87	50
05...	0535	23500	--	--	21	83	50
05...	0820	22100	--	--	--	--	50
05...	0900	21500	3.7	1.2	20	87	50
05...	0940	21000	3.7	--	--	--	50
05...	0950	21000	3.7	.9	--	--	50
*05...	0958	21000	3.6	.8	--	--	50
*05...	1008	21000	3.4	.9	--	--	50
06...	0940	5680	3.8	.3	5	70	50
06...	2140	7760	3.8	.5	9	81	50
07...	1450	928	3.9	.2	3	59	50
08...	0910	3650	3.9	.3	5	81	50
09...	1105	2550	4.0	.2	2	83	50
14...	1115	2250	4.4	.4	1	86	50
20...	1330	2190	5.2	.2	1	75	50
28...	1450	2480	5.1	.4	3	73	50
AUG							
02...	1420	886	--	--	2	71	50
10...	0825	102	5.3	.2	2	79	50
17...	1040	742	4.3	<.2	3	56	50
24...	1040	702	4.6	.2	3	82	50
31...	1330	1590	4.6	.2	2	64	50
31...	1400	1430	--	--	1	62	50

* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
SEP							
07...	1130	1890	4.4	.3	5	61	50
14...	1300	98	4.0	.2	2	62	50
16...	2200	10200	3.5	2.7	40	81	50
16...	2240	11300	--	--	36	94	50
16...	2340	12500	3.4	1.3	25	89	50
17...	0300	18700	3.6	1.5	36	88	50
17...	0350	20000	3.6	1.7	35	92	50
17...	0620	25000	3.5	1.5	52	89	50
17...	0720	26400	3.6	1.5	67	90	50
17...	0910	31900	3.4	2.8	70	93	50
17...	0950	33400	3.4	2.7	77	92	50
17...	1020	33800	3.5	2.2	88	93	50
17...	1130	36000	3.5	3.4	94	91	50
17...	1550	39000	3.3	3.2	98	52	50
17...	1610	39100	--	--	98	86	50
17...	1800	39600	3.8	4.7	159	92	50
18...	0510	36800	4.6	5.3	291	97	50
18...	0630	35900	--	--	388	97	50
18...	0710	35600	4.9	5.9	468	97	50
18...	0750	31700	--	--	474	97	50
18...	1130	34400	5.1	6.6	534	98	50
18...	1540	22600	5.2	6.0	386	98	50
18...	2050	15900	5.1	3.5	302	91	50
19...	0450	12500	4.8	1.4	200	92	50
19...	1620	10500	4.4	2.0	58	93	50
19...	2120	6340	4.5	2.3	69	97	50
20...	0520	6450	4.6	1.2	62	98	50
20...	1320	5540	4.4	1.0	43	96	50
20...	1520	3380	--	--	44	91	50
21...	1200	186	4.6	.6	25	99	50
21...	1730	396	4.6	.5	13	90	50
21...	2140	3630	4.5	.6	26	100	50
22...	0330	6340	4.9	.8	30	95	50
22...	1130	5850	4.6	.5	23	99	50
22...	1930	8230	4.4	.9	30	96	50
23...	0330	5930	4.4	.5	25	98	50
23...	1130	10000	4.4	.7	27	96	50
23...	2210	6310	4.4	.6	19	95	50
24...	0610	8090	4.5	.6	17	96	50
24...	1410	7700	4.4	--	21	95	50
24...	2030	3900	4.3	.6	17	93	50
25...	0430	4040	4.5	.7	16	98	50
25...	1230	3810	4.4	.6	19	98	50
25...	2030	3430	4.4	.8	13	94	50
26...	0430	4060	4.4	.5	13	98	50
26...	1230	4130	4.4	.5	12	46	50
26...	2030	3920	4.3	.6	16	98	50
27...	0430	3330	4.7	.4	13	54	50
27...	1420	3170	4.4	.4	16	98	50
27...	2220	1580	4.3	.4	18	67	50
28...	0740	104	4.5	.2	11	94	50
28...	1130	4320	4.8	.5	16	94	50
28...	1850	3380	4.6	.4	10	92	50
29...	1100	3900	4.4	.3	16	91	50
29...	1610	2280	4.6	.3	13	87	50
30...	0920	4100	4.6	.3	19	95	50

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
OCT							
07...	1820	3810	4.4	.3	5	81	50
08...	0900	5250	--	--	13	99	10
15...	1200	2550	4.0	.3	7	87	50
19...	1045	3790	4.0	.4	10	86	50
26...	1115	5280	4.1	.3	17	95	50
29...	0920	3920	4.1	--	7	90	50
NOV							
02...	0830	1960	4.0	.2	4	97	50
05...	1130	5490	--	--	9	96	10
09...	0950	2120	3.8	--	3	88	50
15...	0940	2510	3.7	--	--	--	50
16...	0815	2870	3.7	.3	6	93	50
23...	0915	2540	3.5	.4	6	86	50
27...	1850	9920	3.6	.7	16	86	50
27...	2220	12300	3.4	.5	18	91	50
28...	0320	14700	3.6	.6	24	88	50
28...	1300	13900	3.7	.5	10	95	50
29...	0250	11400	3.6	.4	11	98	50
29...	1030	9660	3.7	.5	15	89	50
29...	1610	13200	3.7	.5	17	96	50
30...	0010	10700	3.8	.4	12	98	50
30...	1020	4680	3.8	.5	13	98	50
DEC							
01...	0940	9280	--	--	13	92	50
02...	1750	9750	4.1	.4	9	96	50
02...	2150	15100	4.2	.5	13	96	50
02...	2330	15400	4.2	.5	12	88	50
03...	0730	10900	4.1	.4	11	92	50
03...	0810	6600	--	--	11	97	50
03...	1040	10900	--	--	12	92	50
03...	1940	11600	4.2	--	38	99	50
04...	2300	8590	4.2	.9	20	99	50
07...	1240	6130	3.7	.5	17	98	50
08...	1350	6100	--	--	13	97	10
14...	1225	3550	3.9	.3	7	91	50
17...	1435	5460	3.4	.3	5	71	50
18...	2115	3900	3.6	.3	3	92	50
20...	1150	3970	3.7	.3	4	86	50
21...	0935	3550	3.7	.2	3	90	50
22...	0840	5540	3.7	.3	4	93	50
28...	0935	2970	3.7	.3	9	95	50
JAN							
04...	1215	3330	3.0	.3	4	89	50
04...	2025	10300	3.1	1.5	11	86	50
04...	2255	15400	3.1	1.1	20	86	50
05...	0210	22800	2.9	1.1	29	83	50
*05...	0211	22800	3.0	1.2	--	--	50
05...	0555	30100	2.9	1.9	57	87	50
05...	0825	31100	2.9	2.4	100	87	50
05...	1105	29200	3.8	4.9	176	95	50
05...	1110	28800	3.9	3.8	177	95	50
05...	1400	22000	--	--	311	98	10
05...	1405	22000	4.3	5.6	207	96	50
05...	1545	31200	4.8	6.0	256	97	50
05...	2245	22800	4.9	5.6	205	95	50
06...	0645	17400	5.0	--	162	98	50
06...	0805	16100	4.9	3.6	69	97	50
06...	1605	15300	4.6	2.9	97	98	50
07...	0645	10900	5.0	--	64	96	50
11...	0420	7250	4.2	.8	19	95	50
11...	1155	12200	4.1	1.2	22	93	50
11...	1720	16900	4.0	.7	18	93	50
12...	0110	19200	4.0	.8	21	94	50
12...	0830	19500	4.2	2.0	63	94	50
12...	1630	17300	4.3	2.6	70	98	50
13...	0720	13100	4.2	2.6	70	96	50
14...	0950	8230	4.1	1.2	36	97	50
18...	1320	1570	3.8	.4	6	91	50
25...	2130	3430	3.5	.3	4	83	50

* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
FEB							
01...	1430	2560	3.4	.2	2	83	50
02...	1205	3120	--	--	2	76	50
08...	1205	E2900	3.4	.3	2	77	50
15...	1040	3280	3.3	.3	2	92	50
16...	1610	E5200	3.3	.3	3	88	50
17...	1745	E5800	3.0	.3	3	73	50
22...	1310	4200	3.0	.3	5	78	50
23...	1650	3360	--	--	4	69	50
25...	1520	7380	3.2	.3	7	94	50
26...	0440	11600	2.9	.5	10	88	50
26...	0610	12600	2.9	.7	21	85	50
26...	1040	12900	2.9	.7	21	75	50
26...	1320	16700	2.9	.9	26	87	50
26...	1450	18000	3.0	.9	31	82	50
26...	1850	24900	2.8	1.2	39	93	50
27...	0250	24100	3.6	2.8	94	97	50
27...	0950	25000	3.8	4.5	156	98	50
27...	1330	30600	3.9	4.7	166	93	50
27...	2010	31600	4.0	4.4	137	88	50
28...	0150	42500	4.0	6.6	235	87	50
28...	0500	43700	3.9	9.4	378	88	50
28...	0750	52200	3.9	10	510	92	50
28...	0910	56600	4.0	11	565	90	50
28...	1050	47700	3.9	11	525	94	50
28...	1055	47700	--	--	475	96	10
28...	1520	83400	3.8	16.7	846	86	50
28...	1530	81600	3.9	16.1	947	99	50
28...	1700	66700	3.7	35	1960	85	50
28...	1900	52300	3.7	23	1820	92	50
29...	0300	59500	3.8	18	1020	86	50
29...	0500	80000	3.7	16	1040	83	50
29...	0540	82300	3.8	20	1530	80	50
*29...	0541	82300	3.8	24	--	--	50
29...	0600	69500	3.8	41	2450	82	50
29...	0650	57200	3.7	>50	3250	85	50
29...	1450	54900	3.6	16	751	86	50
29...	1840	44100	--	--	508	88	50

E Estimated daily.
* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
MAR							
01...	0240	35900	3.4	5.5	279	90	50
01...	2300	25000	3.3	2.3	112	93	50
02...	1155	23500	3.4	2.1	92	96	50
03...	1845	18000	--	--	57	95	50
07...	1040	9660	--	--	47	95	10
07...	1120	9530	3.0	.5	36	97	50
07...	1405	9360	--	--	21	92	50
08...	2205	11800	3.0	.4	27	97	50
10...	0910	17400	3.1	.7	60	96	50
10...	2120	20800	3.2	.9	47	95	50
11...	0550	19400	3.4	1.1	48	97	50
12...	1300	24600	3.3	1.0	52	97	50
12...	1410	25100	3.3	1.1	64	95	50
*12...	1411	25100	3.3	1.1	--	--	50
12...	1640	26000	3.3	1.6	56	93	50
12...	2100	31400	3.3	1.8	76	95	50
13...	0500	28800	3.7	2.4	113	95	50
13...	0730	27700	3.8	2.4	107	94	50
13...	1255	26400	4.0	2.0	89	91	50
13...	1705	23000	3.9	1.9	84	96	50
13...	1835	22100	3.7	1.8	78	93	50
14...	1110	18200	3.5	--	40	94	50
15...	1245	14500	3.3	.6	20	99	50
15...	1330	13900	--	--	21	97	50
16...	1430	11900	--	--	20	96	50
17...	0630	12400	--	--	19	91	50
17...	1430	14000	--	--	16	93	50
17...	2310	16400	--	--	16	88	50
21...	1040	11100	3.0	.4	10	89	50
24...	2015	5930	--	--	13	89	50
28...	0940	8130	3.1	.4	11	90	50
28...	1550	12000	3.0	.5	16	86	50
28...	1730	15300	3.0	.6	19	84	50
28...	2030	22100	2.9	.9	26	85	50
28...	2350	30500	3.1	.9	36	87	50
29...	0355	37000	3.3	2.5	111	89	50
29...	0610	37600	3.7	4.4	223	95	50
29...	0750	37500	3.9	5.8	242	94	50
*29...	0751	37500	3.9	5.4	--	--	50
29...	0850	37600	--	--	225	96	50
29...	0855	38200	--	--	248	95	10
29...	1040	37700	4.1	4.4	183	95	50
29...	1840	30800	4.4	4.2	197	95	50
29...	2220	28500	4.2	3.4	140	96	50
30...	0620	24100	3.8	2.8	148	97	50
30...	1420	21900	3.8	2.1	97	96	50
30...	2220	20700	3.8	2.0	--	--	50
30...	2310	20700	3.9	2.0	85	98	50
31...	0710	18900	3.8	--	57	95	50
31...	0800	18200	3.7	1.4	57	96	50

* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
APR							
01...	0020	16200	3.8	.8	31	90	50
03...	1128	10300	3.3	.4	12	83	50
03...	1130	10300	--	--	41	98	10
04...	1100	14500	3.4	1.1	10	96	50
04...	1420	20900	3.2	.5	15	97	50
04...	1650	29200	3.0	.7	27	82	50
04...	1930	39100	3.0	--	50	86	50
04...	2225	43500	3.2	2.3	114	85	50
04...	2300	45400	3.4	2.9	127	91	50
04...	2330	46000	3.3	3.1	157	91	50
05...	0300	47200	3.9	6.1	251	94	50
05...	0945	36200	4.5	--	298	96	50
05...	0950	36200	--	--	334	98	10
05...	1235	41700	4.6	6.0	227	94	50
05...	1810	37200	4.4	5.1	197	97	50
05...	2250	34700	4.4	3.8	187	97	50
*05...	2251	34700	4.3	4.1	--	--	50
06...	0650	29800	4.2	2.8	111	98	50
06...	1450	27900	4.0	1.8	69	96	50
07...	0050	25600	4.0	1.6	52	94	50
07...	0640	23700	3.9	1.3	43	81	50
09...	2330	22200	3.4	.9	23	94	50
10...	0700	22400	3.3	1.1	30	88	50
11...	1030	22300	3.4	1.1	32	88	50
17...	0955	13900	3.2	.7	17	94	50
18...	1525	11300	3.2	.6	15	96	50
19...	0855	12000	3.2	.6	16	89	50
19...	1655	13400	3.3	.6	13	93	50
19...	2145	12800	3.3	--	11	93	50
20...	1355	11200	--	--	8	96	50
21...	2240	12100	3.7	.5	12	92	50
22...	0540	17900	3.8	.6	20	89	50
22...	1120	20400	3.5	.7	16	92	50
22...	1920	22800	3.8	.9	23	98	50
22...	2140	24000	3.8	.9	27	95	50
23...	0230	26900	4.0	1.1	34	98	50
23...	1030	27200	4.1	1.2	36	96	50
23...	1830	25600	4.1	1.1	33	95	50
24...	0230	23600	4.0	.9	29	97	50
24...	1030	22500	4.0	1.0	33	97	50
*24...	1031	22500	4.0	1.0	--	--	50
24...	1830	21400	4.0	.8	26	98	50
24...	2200	19700	--	--	23	98	50
25...	0600	17700	3.8	.6	22	99	50
25...	1400	17200	3.7	.6	15	98	50
25...	2200	14700	3.9	--	13	97	50
26...	0600	14400	3.6	.6	12	95	50
26...	0810	14000	3.6	.7	15	98	50

* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
MAY							
03...	2130	7060	3.1	.5	7	98	50
04...	0955	7060	3.1	.4	8	89	50
04...	1000	7060	--	--	15	98	10
09...	1430	1110	3.1	.3	4	95	50
11...	1755	27300	3.2	1.2	22	97	50
12...	0930	21000	3.3	.9	19	97	50
15...	1150	34900	5.1	6.2	267	98	50
15...	1730	32100	5.2	5.9	279	99	50
16...	0130	30000	5.1	4.4	179	96	50
16...	0820	27300	4.9	3.7	88	96	50
16...	1620	19700	4.9	3.1	72	95	50
17...	0010	18400	5.0	2.2	81	95	50
17...	0810	18600	5.0	1.9	72	97	50
17...	1100	17500	4.9	1.9	55	95	50
*17...	1101	17500	5.0	1.9	--	--	50
17...	1140	17000	--	--	77	97	10
17...	1340	14700	4.8	1.9	64	95	50
17...	2050	12500	4.8	--	14	88	50
18...	1420	10300	4.9	1.9	38	93	50
19...	0900	15000	4.7	1.1	27	95	50
19...	1710	16000	4.4	1.1	35	95	50
20...	1100	15700	4.5	1.1	33	94	50
21...	1100	13500	4.5	1.0	26	97	50
22...	1100	11900	4.8	.9	27	98	50
22...	1550	10700	--	--	25	97	50
24...	1230	9620	4.1	1	22	98	50
24...	1640	22500	4.2	1.2	39	96	50
*24...	1641	22500	4.2	1.2	--	--	50
24...	1950	30500	4.2	1.3	44	96	50
24...	2330	31800	4.1	1.6	55	98	50
25...	0730	27300	4.0	1.6	52	97	50
25...	1110	23300	4.4	1.5	44	97	50
25...	1640	16200	4.3	1.2	33	98	50
26...	0042	14000	4.3	1.0	29	98	50
26...	0840	18400	--	--	31	99	50
26...	1640	18900	--	--	38	96	50
27...	1640	15100	--	--	31	98	50
28...	1120	12800	--	--	27	97	50
31...	0950	7860	4.3	.7	17	96	50
JUN							
06...	1055	5520	4.0	.7	19	98	50
06...	1100	5520	--	--	29	98	10
06...	1800	9490	--	--	46	97	50
06...	2000	14900	--	--	58	95	50
06...	2110	22500	3.9	2.3	75	96	50
06...	2200	30000	--	--	87	95	50
07...	0030	40000	--	--	116	96	50
07...	0630	52100	3.9	5.5	148	90	50
07...	1240	52300	--	--	132	93	50
07...	1340	53500	--	--	268	90	50
07...	1420	59700	4.6	7.6	269	92	50
07...	1840	59900	--	--	275	92	50
07...	1940	60400	--	--	327	93	50
07...	2030	60000	5.0	3.2	353	91	50
08...	0430	50800	--	--	607	95	50
08...	0550	47200	--	--	571	98	50
08...	1100	36100	4.3	5.5	422	93	50
08...	1730	26200	--	--	278	97	50
09...	0610	14900	--	--	117	95	50
09...	1330	12300	--	--	82	95	50
10...	1230	10200	--	--	39	91	50
11...	2050	9870	--	--	23	91	50
12...	0630	9960	--	--	19	90	50
13...	0900	9240	4.0	.7	26	92	50
14...	0300	13600	--	--	31	96	50
14...	0530	19200	--	--	44	95	50
14...	0720	27000	--	--	60	94	50
14...	1030	29500	--	--	62	94	50
14...	1830	26700	--	--	77	97	50
14...	2250	21400	--	--	75	99	50
15...	0650	17900	--	--	63	94	50
15...	0920	15800	--	--	63	96	50
15...	1010	15600	--	--	54	99	50
15...	1530	16100	--	--	51	93	50
15...	2330	13400	--	--	41	96	50
16...	0400	13000	--	--	39	95	50
20...	1350	3390	4.5	.6	12	98	50
27...	0945	3810	4.4	.6	13	95	50

* Replicate.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
JUL							
03...	0910	4080	--	--	9	84	50
05...	1415	2160	4.1	.3	4	77	50
05...	1420	2160	--	--	7	99	10
12...	2225	1740	--	--	4	83	50
14...	1120	1740	3.9	.3	2	71	50
16...	1440	28100	3.7	1.4	45	89	50
16...	2245	22300	4.0	1.5	58	95	50
17...	1025	16100	4.8	1.4	43	95	50
17...	1740	8950	5.3	1.0	28	95	50
18...	0820	9410	5.4	.9	21	99	50
18...	1440	10100	5.6	.9	27	94	50
20...	1615	5990	--	--	19	94	50
21...	1335	2930	--	--	15	97	50
22...	1105	2260	--	--	6	90	50
23...	1125	3330	--	--	5	91	50
26...	1010	1790	5.5	.3	4	92	50
31...	0945	7960	--	--	20	85	50
AUG							
01...	1310	6450	4.3	--	13	85	50
02...	1240	3410	--	--	7	94	10
02...	1245	3410	--	--	7	88	50
03...	0235	9570	--	--	23	71	50
03...	0725	10900	--	--	27	79	50
03...	0915	9570	--	--	23	78	50
08...	0920	5900	4.6	.7	9	97	50
12...	1455	10000	--	--	30	88	50
12...	1845	13700	--	--	34	80	50
12...	2005	14400	--	--	33	86	50
12...	2255	14600	--	--	27	91	50
13...	0345	20100	--	--	31	82	50
13...	0435	20200	--	--	32	92	50
13...	1235	17300	--	--	27	92	50
13...	1555	14100	--	--	22	88	50
13...	2005	11700	--	--	21	97	50
14...	0145	10900	--	--	20	96	50
14...	0235	11000	--	--	19	95	50
15...	1410	3140	5.6	.6	9	93	50
16...	1440	7890	--	--	18	89	50
17...	0605	11200	--	--	21	--	50
22...	0935	4340	5.4	.5	10	--	50
29...	1745	2070	--	--	2	--	50
29...	2250	4360	4.5	.3	5	--	50
30...	0145	4080	4.6	.3	5	--	50
30...	0540	3250	4.6	.3	4	--	50
30...	2010	1310	--	--	2	--	50
30...	2250	1310	4.4	.2	3	--	50
31...	0150	1620	4.5	.3	3	--	50
31...	0440	2360	4.4	.2	4	--	50
31...	0600	2330	4.5	.2	4	--	50
31...	2040	2290	--	--	4	--	50
SEP							
05...	1425	2470	--	--	4	--	50
05...	1430	2470	--	--	4	95	10
05...	1431	2470	--	--	5	93	10

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

CARBON ORGANIC DISSOLVED (MG/L AS C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	4.0	192
6	---	---	---	---	---	---	---	---	---	---	e3.8	e130
7	---	---	---	---	---	---	---	---	---	---	e3.6	e84
8	---	---	---	---	---	---	---	---	---	---	e3.4	e57
9	---	---	---	---	---	---	---	---	---	---	e3.2	e46
10	---	---	---	---	---	---	---	---	---	---	e3.0	e43
11	---	---	---	---	---	---	---	---	---	---	2.8	40
12	---	---	---	---	---	---	---	---	---	---	e3.0	e37
13	---	---	---	---	---	---	---	---	---	---	3.2	35
14	---	---	---	---	---	---	---	---	---	---	e3.3	e35
15	---	---	---	---	---	---	---	---	---	---	e3.2	e34
16	---	---	---	---	---	---	---	---	---	---	e3.2	e32
17	---	---	---	---	---	---	---	---	---	---	e3.1	e38
18	---	---	---	---	---	---	---	---	---	---	e3.0	e60
19	---	---	---	---	---	---	---	---	---	---	3.0	90
20	---	---	---	---	---	---	---	---	---	---	e3.1	e82
21	---	---	---	---	---	---	---	---	---	---	e3.2	e65
22	---	---	---	---	---	---	---	---	---	---	3.1	131
23	---	---	---	---	---	---	---	---	---	---	4.0	297
24	---	---	---	---	---	---	---	---	---	---	3.6	170
25	---	---	---	---	---	---	---	---	---	---	3.3	134
26	---	---	---	---	---	---	---	---	---	---	3.2	121
27	---	---	---	---	---	---	---	---	---	---	e3.1	e103
28	---	---	---	---	---	---	---	---	---	---	e3.0	e94
29	---	---	---	---	---	---	---	---	---	---	2.9	95
30	---	---	---	---	---	---	---	---	---	---	e2.9	e114
31	---	---	---	---	---	---	---	---	---	---	2.9	121

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	2.9	124	e3.5	e35	e3.7	e24	e4.2	e17	e5.2	e11	e4.6	e8.6
2	3.0	129	e3.5	e24	e3.8	e21	e4.1	e11	e5.2	e9.4	e4.5	e9.0
3	3.1	136	3.5	29	3.8	22	e4.0	e11	e5.2	e7.0	e4.5	e5.9
4	3.0	137	e3.4	e28	e3.9	e17	4.0	59	e5.2	e10	e4.5	e2.1
5	2.8	140	e3.4	e25	e4.0	e13	3.8	170	e5.2	e6.0	e4.5	e6.1
6	2.9	121	3.3	14	e4.1	e21	3.8	64	e5.2	e5.3	e4.4	e10
7	3.0	110	e3.3	e18	e4.1	e16	3.9	22	e5.3	e8.2	4.4	9.3
8	e3.2	e121	e3.4	e22	e4.2	e16	3.9	38	e5.3	e11	e4.3	e14
9	3.2	110	e3.5	e36	e4.3	e10	4.0	31	e5.3	e11	e4.3	e4.3
10	3.2	102	3.5	34	4.4	20	e4.1	e9.5	5.3	7.6	e4.2	e10
11	3.0	77	3.4	30	e4.4	e2.9	e4.2	e19	e5.1	e16	e4.2	e12
12	3.1	70	3.7	35	e4.3	e23	e4.2	e19	e5.0	e7.4	e4.1	e9.0
13	e3.2	e63	3.3	21	e4.3	e3.3	e4.3	e14	e4.9	e10	e4.1	e2.4
14	e3.2	e52	3.3	19	e4.3	e10	4.4	19	e4.7	e14	4.0	9.6
15	3.3	31	e3.1	e14	e4.3	e23	e4.5	e15	e4.6	e16	e3.8	e7.6
16	e3.2	e26	3.0	18	e4.2	e5.3	e4.7	e13	e4.4	e4.4	3.6	24
17	e3.2	e40	3.1	18	4.2	12	e4.8	e2.5	4.3	8.1	3.5	294
18	3.1	52	3.1	11	e4.2	e6.8	e4.9	e9.2	e4.3	e9.4	4.7	355
19	e3.1	e60	3.2	13	e4.2	e14	e5.1	e12	e4.4	e9.4	4.6	132
20	e3.1	e50	3.3	19	e4.2	e4.5	5.2	14	e4.4	e8.1	4.4	51
21	3.1	41	3.3	29	e4.2	e9.4	e5.2	e11	e4.5	e7.1	4.6	25
22	e3.2	e31	e3.4	e20	4.2	6.4	e5.2	e18	e4.5	e8.4	4.6	82
23	e3.3	e26	e3.4	e20	e4.2	e12	e5.2	e7.9	e4.6	e5.7	4.4	95
24	3.4	31	e3.4	e21	e4.2	e5.6	e5.2	e15	4.6	4.4	4.4	77
25	e3.4	e57	e3.5	e28	e4.2	e11	e5.1	e2.5	e4.6	e6.3	4.4	43
26	e3.4	e53	e3.5	e38	e4.3	e7.5	e5.1	e9.0	e4.6	e7.7	4.4	47
27	e3.4	e42	e3.5	e38	e4.3	e6.0	e5.1	e16	e4.6	e8.3	4.5	32
28	e3.4	e32	e3.6	e47	e4.3	e12	5.1	11	e4.6	e11	4.4	31
29	e3.5	e25	e3.6	e46	4.3	13	e5.1	e5.2	e4.6	e7.9	4.4	19
30	e3.5	e8.6	e3.7	e25	e4.2	e15	e5.1	e14	e4.6	e7.7	4.6	38
31	---	---	e3.7	e11	---	---	e5.2	e7.5	4.6	10	---	---

* Estimated

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

CARBON ORGANIC DISSOLVED (MG/L AS C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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	e4.6	e47	e4.0	e21	e3.9	e85	e3.3	e26	3.4	28	3.3	277
2	e4.5	e47	4.0	23	4.1	99	e3.2	e25	e3.4	e30	3.4	212
3	e4.5	e35	e4.0	e30	4.1	131	e3.1	e26	e3.4	e34	e3.3	e172
4	e4.5	e28	e3.9	e84	4.2	113	3.0	50	e3.4	e27	e3.2	e125
5	e4.5	e46	e3.9	e37	e4.1	e82	4.0	289	e3.4	e27	e3.2	e100
6	e4.4	e53	e3.9	e31	e3.9	e62	4.8	210	e3.4	e26	e3.1	e87
7	4.4	28	e3.8	e33	3.7	61	5.0	136	e3.4	e25	3.0	78
8	e4.4	e36	e3.8	e29	e3.7	e60	e4.8	e105	3.4	e27	3.0	84
9	e4.3	e43	3.8	25	e3.8	e49	e4.5	e80	e3.4	e24	e3.0	e113
10	e4.3	e40	e3.8	e26	e3.8	e39	e4.3	e77	e3.4	e22	3.1	153
11	e4.2	e37	e3.8	e28	e3.8	e39	4.1	136	e3.4	e24	3.4	167
12	e4.2	e49	e3.8	e28	e3.8	e43	4.2	208	e3.3	e26	3.3	209
13	e4.1	e33	e3.7	e30	e3.9	e43	4.2	141	e3.3	e28	3.6	247
14	e4.1	e41	e3.7	e27	3.9	40	4.1	87	e3.3	e28	3.5	166
15	4.0	56	e3.7	e27	e3.7	e39	e4.0	e49	3.3	31	3.3	126
16	e4.0	e42	3.7	27	e3.6	e45	e4.0	e46	3.3	e46	e3.3	e106
17	e4.0	e39	e3.7	e15	3.4	48	e3.9	e43	3.1	e48	e3.2	e119
18	e4.0	e36	e3.6	e25	e3.5	47	3.8	23	e3.0	e42	e3.2	e134
19	4.0	40	e3.6	e20	e3.6	e35	e3.8	e35	e3.0	e39	e3.1	e103
20	e4.0	e28	e3.6	e24	3.7	35	e3.7	e36	e3.0	e38	e3.0	e95
21	e4.0	e31	e3.5	e24	3.7	36	e3.7	e37	e3.0	e35	3.0	89
22	e4.0	e28	e3.5	e22	3.7	66	e3.6	e32	3.0	32	e3.0	e84
23	e4.1	e30	e3.5	e22	e3.7	e62	e3.6	e30	e3.1	e30	e3.0	e75
24	e4.1	e44	e3.5	e17	e3.7	e47	e3.6	e28	e3.1	e39	e3.0	e69
25	e4.1	e36	e3.5	e26	e3.7	e36	3.5	30	3.2	58	e3.1	e70
26	4.1	59	e3.6	e24	e3.7	e31	e3.5	e28	2.9	129	e3.1	e67
27	e4.1	e46	3.6	60	e3.7	e28	e3.5	e29	3.9	275	e3.1	e67
28	e4.1	e22	3.7	136	3.7	25	e3.5	e27	3.9	548	3.1	106
29	4.1	29	3.7	118	e3.6	e21	e3.5	e25	3.6	518	3.8	349
30	e4.1	e30	3.8	78	e3.5	e28	e3.4	e25	---	---	3.8	237
31	e4.1	e28	---	---	e3.4	e29	e3.4	e27	---	---	3.7	181

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	3.7	146	e3.3	e65	e4.3	e53	e4.3	e33	4.3	61	---	---
2	e3.5	e110	e3.2	e62	e4.2	e53	e4.2	e30	e4.3	e55	---	---
3	3.3	90	3.1	57	e4.2	e69	e4.2	e34	e4.4	e98	---	---
4	3.3	203	3.1	53	e4.1	e64	e4.1	e30	e4.4	e86	---	---
5	4.2	466	e3.1	e26	e4.1	e51	4.1	26	e4.5	e25	---	---
6	4.1	318	e3.1	e30	4.0	97	e4.1	e32	e4.5	e59	---	---
7	3.9	233	e3.1	e38	4.4	634	e4.1	e28	e4.6	e32	---	---
8	e3.7	e176	e3.1	e46	4.4	435	e4.0	e21	4.6	52	---	---
9	3.5	170	3.1	26	e4.2	e152	e4.0	e22	e4.8	e41	---	---
10	3.3	199	e3.1	e33	e4.2	e111	e4.0	e23	e4.9	e41	---	---
11	3.4	198	3.2	189	e4.1	e99	e4.0	e19	e5.0	e44	---	---
12	e3.4	e178	3.4	185	e4.1	e102	e3.9	e18	e5.2	e127	---	---
13	e3.3	e161	e3.5	e200	4.0	102	e3.9	e18	e5.3	e237	---	---
14	e3.3	e141	e4.3	e497	e4.1	e260	3.9	19	e5.4	e108	---	---
15	e3.3	e134	5.1	488	e4.2	e180	e3.8	e44	5.6	67	---	---
16	e3.2	e126	4.9	318	e4.2	e126	3.8	238	e5.6	e113	---	---
17	3.2	117	4.9	217	e4.3	e92	4.9	188	e5.5	e135	---	---
18	3.2	102	4.9	119	e4.4	e81	5.5	140	e5.5	e107	---	---
19	3.2	109	4.6	181	e4.4	e72	e5.6	e118	e5.5	e91	---	---
20	3.4	87	4.5	187	4.5	56	e5.6	e73	e5.5	e67	---	---
21	3.6	73	4.5	163	e4.5	e43	e5.6	e58	e5.4	e45	---	---
22	3.6	196	4.8	143	e4.5	e88	e5.6	e45	5.4	45	---	---
23	4.1	292	e4.4	e99	e4.5	e102	e5.5	e41	e5.3	e47	---	---
24	4.0	241	4.1	180	e4.4	e81	e5.5	e40	e5.2	e87	---	---
25	3.7	171	4.3	257	e4.4	e54	e5.5	e34	e5.0	e76	---	---
26	3.6	110	4.3	204	e4.4	e48	5.5	28	e4.9	e58	---	---
27	e3.5	e84	e4.3	e175	4.4	44	e5.3	e26	e4.8	e51	---	---
28	e3.5	e97	e4.3	e132	e4.4	e46	e5.1	e32	e4.7	e35	---	---
29	e3.4	e82	e4.3	e88	e4.3	e49	e4.9	e19	4.6	24	---	---
30	e3.3	e76	e4.3	e77	e4.3	e43	e4.7	e30	4.5	31	---	---
31	---	---	4.3	84	---	---	e4.5	e99	e4.4	e25	---	---

e Estimated

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

CARBON, ORGANIC, PARTICULATE, TOTAL, MILLIGRAMS PER LITER AS C, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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	---	---	---	---	---	---	---	---	---	---	e.9	e13
2	---	---	---	---	---	---	---	---	---	---	e1.0	e21
3	---	---	---	---	---	---	---	---	---	---	e.9	e16
4	---	---	---	---	---	---	---	---	---	---	e1.1	e28
5	---	---	---	---	---	---	---	---	---	---	2.5	120
6	---	---	---	---	---	---	---	---	---	---	e2.5	e87
7	---	---	---	---	---	---	---	---	---	---	e1.6	e37
8	---	---	---	---	---	---	---	---	---	---	e1.1	e19
9	---	---	---	---	---	---	---	---	---	---	e.9	e12
10	---	---	---	---	---	---	---	---	---	---	e.6	e8.4
11	---	---	---	---	---	---	---	---	---	---	.3	3.9
12	---	---	---	---	---	---	---	---	---	---	e.2	e2.9
13	---	---	---	---	---	---	---	---	---	---	.2	2.6
14	---	---	---	---	---	---	---	---	---	---	e.2	e2.5
15	---	---	---	---	---	---	---	---	---	---	e.2	e2.5
16	---	---	---	---	---	---	---	---	---	---	e.2	e2.4
17	---	---	---	---	---	---	---	---	---	---	e.2	e2.8
18	---	---	---	---	---	---	---	---	---	---	e.3	e5.5
19	---	---	---	---	---	---	---	---	---	---	.5	16
20	---	---	---	---	---	---	---	---	---	---	e1.0	e27
21	---	---	---	---	---	---	---	---	---	---	e.8	e16
22	---	---	---	---	---	---	---	---	---	---	1.1	55
23	---	---	---	---	---	---	---	---	---	---	5.2	370
24	---	---	---	---	---	---	---	---	---	---	3.6	180
25	---	---	---	---	---	---	---	---	---	---	1.4	60
26	---	---	---	---	---	---	---	---	---	---	.9	34
27	---	---	---	---	---	---	---	---	---	---	e.7	e24
28	---	---	---	---	---	---	---	---	---	---	e.6	e18
29	---	---	---	---	---	---	---	---	---	---	.6	18
30	---	---	---	---	---	---	---	---	---	---	e.9	e34
31	---	---	---	---	---	---	---	---	---	---	.9	38

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	1.0	42	e.4	e3.7	e.4	e2.4	e.3	e1.4	e.4	e.9	e.3	e.6
2	1.0	45	e.3	e2.2	e.4	e2.0	e.3	e.9	e.5	e.9	e.3	e.7
3	1.0	44	.3	2.3	.5	2.7	e.3	e.9	e.5	e.7	e.3	e.4
4	1.3	59	e.3	e2.3	e.5	e2.1	.8	25	e.5	e1.0	e.2	e.1
5	.9	45	e.2	e1.7	e.5	e1.6	1.1	59	e.3	e.3	e.2	e.3
6	.8	33	.2	.8	e.5	e2.5	.4	8.0	e.3	e.3	e.3	e.7
7	.6	22	e.2	e1.0	e.7	e2.6	.3	2.0	e.3	e.4	.3	.7
8	e1.0	e37	e.2	e1.5	e.7	e2.8	.3	3.5	e.3	e.6	e.3	e1.0
9	1.1	35	e.4	e3.8	e.7	e1.6	.3	2.7	e.3	e.6	e.3	e.3
10	1.4	45	.5	4.7	.6	2.7	e.3	e.8	.3	.4	e.3	e.8
11	1.7	44	.4	3.5	e.5	e.3	e.4	e2.0	e.3	e.9	e.3	e1.0
12	1.0	23	.2	2.2	e.6	e3.1	e.4	e1.7	e.3	e.4	e.3	e.7
13	e.4	e8.0	.2	1.2	e.6	e.4	e.4	e1.3	e.3	e.6	e.3	e.2
14	e.4	e5.8	.2	1.1	e.6	e1.4	.4	1.6	e.3	e1.0	.3	.7
15	.5	4.9	e.2	e.8	e.6	e3.4	e.4	e1.3	e.3	e1.1	e.3	e.6
16	e.4	e3.2	.3	1.9	e.7	e.8	e.4	e1.1	e.3	e.3	.5	7.8
17	e.4	e5.6	.2	1.1	.6	1.8	e.4	e.2	.3	.6	3.2	290
18	.6	9.2	.4	1.3	e.6	e.9	e.4	e.7	e.3	e.7	6.0	460
19	e.7	e13	.3	1.3	e.6	e2.0	e.4	e.9	e.3	e.7	2.2	61
20	e.7	e10	e.4	e2.1	e.4	e.4	.4	1.0	e.3	e.6	1.4	18
21	.4	5.8	.5	4.2	e.4	e.9	e.4	e.9	e.3	e.5	1.1	5.8
22	e.4	e3.5	e.5	e2.9	.4	.6	e.4	e1.5	e.3	e.6	1.3	23
23	e.4	e3.5	e.5	e2.8	e.4	e1.1	e.4	e.7	e.3	e.4	1.2	26
24	.5	4.7	e.4	e2.8	e.3	e.4	e.4	e1.3	.3	.3	.9	16
25	e.7	e12	e.5	e3.8	e.3	e.8	e.4	e.2	e.3	e.5	.9	8.7
26	e.8	e12	e.5	e5.2	e.3	e.6	e.4	e.8	e.3	e.6	.8	8.8
27	e.6	e7.7	e.5	e5.1	e.3	e.5	e.4	e1.3	e.3	e.6	.9	6.4
28	e.5	e4.5	e.4	e5.8	e.3	e1.0	.4	.9	e.3	e.8	.8	5.3
29	e.4	e2.6	e.4	e5.7	.3	.9	e.4	e.4	e.3	e.6	.7	2.9
30	e.2	e.5	e.4	e2.8	e.3	e1.2	e.4	e1.2	e.3	e.5	.7	5.8
31	---	---	e.4	e1.1	---	---	e.4	e.6	.2	.5	---	---

* Estimated

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

CARBON, ORGANIC, PARTICULATE, TOTAL, MILLIGRAMS PER LITER AS C, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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	e.6	e6.1	e.4	e1.9	e.8	e17	e.4	e2.9	.4	3.2	4.2	360
2	e.6	e6.0	.3	1.6	.6	14	e.3	e2.2	e.4	e3.4	2.6	160
3	e.5	e3.7	e.3	e2.1	1.1	34	e.2	e1.9	e.4	e3.8	e2.0	e100
4	e.4	e2.8	e.6	e12	1.2	34	.4	8.9	e.4	e3.0	e1.6	e62
5	e.6	e6.0	e.4	e3.8	e.9	e18	4.5	320	e.4	e3.0	e1.2	e38
6	e.6	e6.7	e.3	e2.6	e.8	e12	4.2	190	e.4	e2.9	e.9	e26
7	.4	2.8	e.3	e2.8	.9	14	e2.3	e66	e.4	e2.8	.7	18
8	e.4	e3.6	e.3	e2.1	e.6	e10	e1.8	e39	.4	e3.0	.6	17
9	e.5	e5.2	e.2	e1.6	e.5	e6.7	e1.2	e21	e.4	e2.7	e.6	e24
10	e.5	e4.9	e.3	e2.0	e.5	e4.9	e1.0	e17	e.4	e2.6	1.0	49
11	e.5	e4.2	e.3	e2.1	e.4	e4.6	1.1	35	e.4	e2.8	1.2	58
12	e.6	e7.3	e.3	e2.4	e.5	e5.4	2.7	130	e.4	e3.0	1.4	99
13	e.5	e4.2	e.4	e3.0	e.5	e5.7	3.0	100	e.4	e3.2	2.5	170
14	e.6	e5.9	e.4	e2.6	.5	4.9	1.6	36	e.4	e3.3	e1.4	e65
15	.6	7.7	e.4	e2.9	e.4	e4.6	e1.0	e12	.4	3.6	.8	30
16	e.5	e5.4	.4	3.0	e.4	e5.1	e.8	e8.9	.4	e6.1	e1.0	e32
17	e.6	e5.7	e.4	e1.5	.4	5.1	e.8	e8.7	.4	e6.8	e.9	e33
18	e.6	e5.0	e.3	e2.2	.3	3.7	.6	3.9	e.4	e6.1	e1.0	e43
19	.6	6.2	e.3	e1.8	e.2	e1.8	e.6	e5.6	e.4	e5.7	e.9	e30
20	e.5	e3.7	e.4	e2.4	.3	2.7	e.6	e5.4	e.5	e6.0	e.7	e22
21	e.5	e3.9	e.4	e2.4	.2	2.3	e.6	e5.7	e.5	e5.7	.6	18
22	e.5	e3.3	e.4	e2.6	.4	7.2	e.6	e5.0	.3	3.5	e.5	e14
23	e.5	e3.5	e.4	e2.6	e.8	e13	e.5	e4.3	e.3	e3.1	e.5	e13
24	e.6	e6.7	e.4	e1.7	e.7	e9.3	e.5	e4.2	e.3	e4.1	e.5	e12
25	e.6	e4.9	e.4	e2.6	e.7	e6.8	.5	4.5	.4	8.1	e.7	e17
26	.8	12	e.4	e2.4	e.6	e5.2	e.5	e4.2	1.2	59	e.6	e13
27	e.6	e6.7	.7	12	e.6	e4.4	e.5	e4.4	4.7	330	e.6	e13
28	e.4	e2.1	.8	28	.6	3.7	e.5	e4.1	14	2000	.8	33
29	e.7	e4.7	.8	25	e.5	e3.1	e.5	e3.8	14	2100	4.7	430
30	e.6	e4.6	.7	14	e.5	e3.8	e.5	e3.5	---	---	3.5	220
31	e.6	e4.4	---	---	e.4	e3.8	e.4	e3.4	---	---	2.0	100

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	1.2	47	e.7	e14	e.9	e11	e.7	e5.6	e.7	e10	---	---
2	e.9	e28	e.6	e11	e.8	e10	e.6	e4.5	e.5	e7.4	---	---
3	.7	19	.4	8.0	e.9	e15	e.6	e4.5	e1.0	e22	---	---
4	.9	75	.6	10	e.7	e10	e.4	e3.2	e.7	e13	---	---
5	6.0	670	e.4	e3.7	e.5	e6.1	.4	2.3	e.5	e2.9	---	---
6	2.8	220	e.5	e4.6	1.3	54	e.4	e3.5	e.5	e6.3	---	---
7	1.6	97	e.6	e6.7	4.7	680	e.4	e3.1	e.4	e2.8	---	---
8	e1.0	e48	e.6	e8.3	6.0	620	e.4	e2.1	.5	5.8	---	---
9	.8	38	.4	3.0	e3.2	e120	e.4	e2.2	e.4	e3.4	---	---
10	1.3	80	e.5	e5.5	e1.8	e48	e.4	e2.3	e.4	e3.0	---	---
11	1.4	81	1.2	69	e1.3	e30	e.4	e1.8	e.4	e3.2	---	---
12	e1.4	e73	.9	52	e.9	e24	e.3	e1.5	e1.1	e32	---	---
13	e1.3	e60	e.8	e45	1.2	31	e.3	e1.3	e1.4	e65	---	---
14	e1.1	e48	e1.8	e220	e2.2	e150	.2	.9	e1.0	e20	---	---
15	e1.0	e43	5.6	520	e2.2	e97	e.2	e2.6	.8	9.9	---	---
16	e.9	e36	4.1	280	e1.6	e47	1.4	91	e1.1	e24	---	---
17	.9	31	2.4	110	e1.2	e25	1.6	67	e1.2	e30	---	---
18	.8	26	2.0	48	e.7	e13	1.2	30	e.9	e18	---	---
19	.8	26	1.5	58	e.6	e10	e1.0	e22	e.9	e14	---	---
20	.4	11	1.5	63	.7	9.1	e.9	e12	e.8	e9.7	---	---
21	.4	7.3	1.3	46	e.6	e6.0	e.7	e7.6	e.8	e6.3	---	---
22	1.0	55	1.2	36	e.9	e17	e.4	e3.2	.7	6.1	---	---
23	1.4	100	e1.0	e22	e1.1	e24	e.4	e2.7	e.7	e6.1	---	---
24	1.3	75	1.3	68	e.9	e17	e.4	e2.6	e.6	e11	---	---
25	.9	41	1.8	110	e.8	e9.7	e.4	e2.2	e.6	e9.3	---	---
26	.7	22	1.5	72	e.8	e8.3	.3	1.4	e.6	e6.8	---	---
27	e.6	e13	e1.5	e60	.8	7.6	e.3	e1.4	e.5	e5.3	---	---
28	e.7	e18	e1.3	e38	e.8	e7.9	e.3	e1.7	e.4	e3.2	---	---
29	e.6	e13	e1.0	e20	e.7	e8.3	e.2	e.9	.3	1.5	---	---
30	e.5	e11	e.9	e16	e.7	e6.9	e.3	e2.0	.4	2.6	---	---
31	---	---	.9	17	---	---	e1.0	e22	.4	2.2	---	---

e Estimated

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

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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	---	---	---	---	---	---	---	---	---	---	e24	e325
2	---	---	---	---	---	---	---	---	---	---	e27	e540
3	---	---	---	---	---	---	---	---	---	---	e24	e395
4	---	---	---	---	---	---	---	---	---	---	25	724
5	---	---	---	---	---	---	---	---	---	---	84	3930
6	---	---	---	---	---	---	---	---	---	---	83	2910
7	---	---	---	---	---	---	---	---	---	---	e47	e1090
8	---	---	---	---	---	---	---	---	---	---	e30	e501
9	---	---	---	---	---	---	---	---	---	---	e21	e302
10	---	---	---	---	---	---	---	---	---	---	e13	e184
11	---	---	---	---	---	---	---	---	---	---	5	70
12	---	---	---	---	---	---	---	---	---	---	e4	e50
13	---	---	---	---	---	---	---	---	---	---	4	44
14	---	---	---	---	---	---	---	---	---	---	e4	e43
15	---	---	---	---	---	---	---	---	---	---	e4	e42
16	---	---	---	---	---	---	---	---	---	---	e4	e41
17	---	---	---	---	---	---	---	---	---	---	e4	e48
18	---	---	---	---	---	---	---	---	---	---	e5	e98
19	---	---	---	---	---	---	---	---	---	---	11	330
20	---	---	---	---	---	---	---	---	---	---	e27	e710
21	---	---	---	---	---	---	---	---	---	---	e19	e390
22	---	---	---	---	---	---	---	---	---	---	29	1570
23	---	---	---	---	---	---	---	---	---	---	220	15600
24	---	---	---	---	---	---	---	---	---	---	136	6780
25	---	---	---	---	---	---	---	---	---	---	44	1750
26	---	---	---	---	---	---	---	---	---	---	23	857
27	---	---	---	---	---	---	---	---	---	---	e17	e560
28	---	---	---	---	---	---	---	---	---	---	e13	e404
29	---	---	---	---	---	---	---	---	---	---	12	389
30	---	---	---	---	---	---	---	---	---	---	e21	e822
31	---	---	---	---	---	---	---	---	---	---	23	962

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	25	1070	e7	e71	e7	e46	e2	e8.4	e2	e4.2	e4	e7.5
2	27	1170	e6	e41	e7	e38	e2	e5.3	3	5.5	e4	e7.9
3	26	1140	5	42	5	28	e2	e5.6	e3	e4.1	e3	e3.9
4	22	1000	e5	e41	e5	e22	13	359	e3	e6.0	e2	e.9
5	23	1130	e4	e29	e5	e16	20	1000	e3	e3.5	e2	e2.7
6	15	628	3	13	e5	e26	9	169	e3	e3.0	e3	e7.0
7	19	692	e3	e16	e5	e19	6	37	e3	e4.7	4	8.4
8	e25	e952	e4	e26	e6	23	6	71	e3	e6.3	e4	e12
9	17	592	e7	e73	e5	e12	3	23	e3	e6.2	e3	e3.0
10	14	450	10	97	3	14	e2	e4.7	3	4.3	e4	e9.8
11	9	232	8	70	e2	e1.3	e2	e9.3	e3	e9.1	e4	e11
12	7	158	4	38	e3	e16	e1	e4.4	e3	e4.5	e4	e8.7
13	e5	e100	3	19	e3	e2.3	e1	e3.3	e3	e6.4	e3	e1.8
14	e7	e112	3	18	e3	e7.1	1	4.3	e4	e12	3	7.2
15	11	103	e3	e13	e4	e22	e1	e3.4	e4	e14	e3	e6.0
16	e8	e64	6	36	e5	e6.2	e1	e2.8	e4	e4.0	13	222
17	e9	e114	3	18	4	11	e1	e.5	4	7.5	101	9460
18	12	199	7	26	e3	e4.9	e1	e1.9	e4	e8.6	430	32000
19	e16	e308	6	24	e3	e10	e1	e2.4	e4	e8.6	148	4720
20	e15	e240	7	40	e3	e3.2	1	2.7	e4	e7.3	61	834
21	9	119	10	87	e3	e6.7	e2	e4.2	e4	e6.3	28	150
22	e7	e68	e10	e60	3	4.6	e2	e6.8	e4	e7.4	36	640
23	e9	e71	e10	e57	e3	e8.5	e2	e3.1	e4	e5.0	32	690
24	11	101	e9	e56	e2	e2.7	e2	e5.8	4	3.9	24	416
25	e17	e283	10	79	e2	e5.0	e2	e1.0	e4	e5.5	22	217
26	e18	e278	e10	e108	e2	e3.5	e2	e3.5	e4	e6.7	20	213
27	e14	e173	e10	e107	e2	e2.8	e2	e6.1	e4	e7.2	22	158
28	e10	e93	e9	e118	e2	e5.8	2	4.4	e4	e9.8	18	125
29	e7	e50	e9	e115	1	3.0	e2	e2.0	e4	e6.8	16	68
30	e3	e7.4	e8	e56	e2	e7.2	e2	e5.6	e3	e5.0	16	134
31	---	---	e7	e21	---	---	e2	e2.9	2	4.4	---	---

e Estimated

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

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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	e13	e134	e7	e36	18	409	e7	e55	3	25	212	18100
2	e13	e133	5	29	12	323	e5	e38	3	26	114	7110
3	e10	e78	e5	e38	30	926	e4	e33	e3	e30	e80	e4150
4	e9	e56	e12	e256	33	907	8	203	e3	e24	e61	e2360
5	e13	e133	e8	e76	e23	e461	184	13200	e3	e24	e52	e1640
6	e12	e144	e6	e48	e19	e301	164	7550	e3	e23	e48	e1360
7	9	58	e6	e52	21	345	77	2150	e3	e22	33	861
8	e9	e74	e5	e38	e14	e224	e54	e1190	3	e24	20	562
9	e11	e110	4	27	e11	e143	e32	e560	e3	e21	e45	e1690
10	e11	e104	e5	e35	e10	e103	e25	e442	e3	e20	67	3350
11	e10	e88	e5	e37	e9	e93	25	814	e3	e22	49	2450
12	e14	e164	e6	e44	e10	e113	72	3470	e3	e24	69	4690
13	e11	e88	e7	e57	e11	e122	81	2780	e3	e25	114	7970
14	e13	e131	e7	e50	10	102	46	997	e3	e26	51	2460
15	12	167	e8	e58	e9	e94	e25	e304	3	28	28	1070
16	e11	e115	8	59	e8	e100	e18	e210	4	e56	25	817
17	e13	e126	e7	e29	7	97	e13	e143	4	e63	22	820
18	e12	e109	e6	e41	5	66	9	55	e4	e56	e26	e1110
19	14	140	e6	e33	e3	e29	e8	e74	e4	e52	e23	e764
20	e11	e78	e7	e47	5	48	e7	e68	e5	e63	e17	e528
21	e11	e84	e7	e47	4	39	e7	e70	e5	e59	13	386
22	e10	e68	e8	e51	8	142	e7	e62	6	64	e11	e306
23	e10	e73	e8	e51	e19	e318	e6	e50	6	58	e11	e274
24	e14	e151	e7	e33	e17	e217	e6	e48	e6	e75	11	250
25	e12	e106	e7	e51	e16	e157	6	51	9	164	e17	e391
26	20	289	e7	e47	e14	e118	e6	e49	33	1690	e13	e284
27	e13	e147	15	295	e13	e98	e6	e50	157	11200	e13	e280
28	e8	e42	18	691	12	80	e6	e47	724	111000	20	859
29	15	106	18	591	e11	e65	e6	e44	931	141000	189	17500
30	e14	e104	16	329	e10	e79	e5	e36	---	---	127	8000
31	e14	e99	---	---	e9	e78	e4	e31	---	---	65	3200

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	32	1260	e16	e318	e21	e263	e17	e131	17	248	---	---
2	e22	e689	e12	e234	e20	e253	e14	e101	12	156	---	---
3	16	436	9	163	e23	e381	12	97	25	586	---	---
4	34	3250	13	221	e15	e233	e9	e64	e15	e292	---	---
5	244	27100	9	e75	e10	e126	7	45	e11	e61	---	---
6	113	9090	10	e95	40	1790	e9	e70	e10	e130	---	---
7	47	2840	12	e146	220	33100	e9	e63	e8	e56	---	---
8	e26	e1240	12	e180	445	48000	e8	e41	11	124	---	---
9	19	923	7	59	123	4710	e8	e43	e8	e68	---	---
10	37	2220	e11	e117	54	1440	e8	e46	e7	e58	---	---
11	39	2270	21	1250	34	821	e7	e34	e7	e61	---	---
12	e39	e2060	24	1320	24	601	6	27	24	725	---	---
13	e34	e1640	e19	e1090	33	845	e5	e24	34	1550	---	---
14	e30	e1280	e56	e6720	72	4780	3	14	19	395	---	---
15	e27	e1110	239	22000	70	3110	e3	e45	14	167	---	---
16	e23	e900	115	7760	46	1380	41	2730	22	509	---	---
17	21	766	72	3410	e31	e663	49	2020	26	642	---	---
18	20	637	22	554	e17	e315	32	808	e20	e387	---	---
19	18	608	42	1660	e14	e229	e27	e570	e18	e298	---	---
20	9	229	44	1830	17	213	22	289	e16	e196	---	---
21	7	141	35	1270	e14	e135	17	178	e15	e125	---	---
22	26	1420	32	959	e21	e414	8	64	14	118	---	---
23	41	2920	e26	e578	e28	e641	7	52	e13	e116	---	---
24	34	2050	38	1980	e23	e421	e7	e50	e12	e204	---	---
25	22	1010	54	3430	e19	e234	e7	e43	e11	e166	---	---
26	17	523	44	2090	e18	e196	5	26	e10	e118	---	---
27	e12	e286	42	1710	18	180	e5	e24	e8	e84	---	---
28	e15	e421	34	1050	e18	e188	e5	e31	e6	e45	---	---
29	e12	e290	e25	e511	e17	e194	e4	e15	3	16	---	---
30	e10	e230	e23	e410	e16	e160	e6	e38	5	34	---	---
31	---	---	22	431	---	---	26	567	5	29	---	---

e Estimated

01358000 HUDSON RIVER AT GREEN ISLAND, NY

LOCATION.--Lat 42°45'08", long 73°41'22", Albany County, Hydrologic Unit 02020006, on right bank at Green Island, just upstream from Troy lock and dam, and 0.5 mi downstream from 5th branch Mohawk River.
DRAINAGE AREA.--8,090 mi^2, approximately (including that above site of former auxiliary gage).
PERIOD OF RECORD.--February 1946 to current year (since October 1997, 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.--No estimated daily discharges. Records fair. 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, 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. Since October 1997, 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 Orion Power New York.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181,000 ft^3/s, Dec. 31, 1948, gage height, 27.05 ft, from floodmark in gage well; minimum discharge not determined; minimum gage height, 13.68 ft, July 6, 1981, when pool was lowered for inspection of flashboards.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 19, 1936, reached a stage of 29.48 ft at gage on opposite bank, from information by Corps of Engineers (discharge, 215,000 ft^3/s). Flood of Mar. 28, 1913, prior to construction of Sacandaga Reservoir and Troy lock and dam, reached a stage about 0.2 ft higher upstream from former dam near same site. Downstream from dams, flood in 1913 was about 3.3 ft higher than flood in 1936, from information by Corps of Engineers.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, about 116,000 ft^3/s, Feb. 29, gage height, 23.30 ft, as a result of an ice jam release on the Mohawk River; minimum discharge not determined; minimum gage height, 14.68 ft, Sept. 9.

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	---	---	17200	---	---	59800	---	---	---	---	---	---
2	---	---	15700	---	---	44800	---	---	---	---	---	---
3	---	---	17700	---	---	---	---	---	---	---	---	---
4	---	---	16200	---	---	---	42900	---	---	---	---	---
5	---	---	14400	---	---	---	77000	---	---	---	---	---
6	---	---	---	30200	---	---	62100	---	---	---	---	---
7	---	---	---	20300	---	---	49100	---	78100	---	---	---
8	---	---	---	17700	---	---	---	---	58300	---	---	---
9	---	---	---	14800	---	---	---	17500	---	---	---	---
10	---	---	---	15500	---	---	---	17400	---	---	---	---
11	---	---	---	22100	---	42000	---	42400	---	---	---	---
12	---	---	---	26900	---	50500	---	48400	---	---	---	---
13	---	---	---	20300	---	52900	---	45800	---	---	---	---
14	---	---	---	15700	---	39000	---	72900	37600	---	---	---
15	---	---	---	11600	---	---	---	66400	30500	---	---	---
16	---	---	---	10100	---	---	---	52700	25200	---	---	---
17	---	---	---	12000	---	---	---	43600	21500	---	---	---
18	---	---	---	10300	---	---	---	34600	19300	---	---	---
19	---	---	---	10300	---	---	---	---	---	---	---	---
20	---	---	---	12000	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	29800	---	---	84700	---	---	---	---	---	---	---
29	---	23600	---	---	91500	62200	---	---	---	---	---	---
30	---	18000	---	---	---	51800	---	---	---	---	---	---
31	---	---	---	---	---	41100	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1997, BY WATER YEAR (WY)

MEAN	9020	13130	15070	13550	14110	22100	30790	19090	10050	6733	5823	6462
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 **WATER YEARS 1946 - 1997**

ANNUAL MEAN	13820	
HIGHEST ANNUAL MEAN	22100	1976
LOWEST ANNUAL MEAN	6386	1965
HIGHEST DAILY MEAN	152000	Mar 14 1977
LOWEST DAILY MEAN	882	Sep 2 1968
ANNUAL SEVEN-DAY MINIMUM	2110	Aug 23 1995
10 PERCENT EXCEEDS	29000	
50 PERCENT EXCEEDS	9400	
90 PERCENT EXCEEDS	4290	

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 mi^2.
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 OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 1913, reached a stage of 21.45 ft, discharge, 240,000 ft^3/s (estimated, tide affected) from information provided by Board of Hudson River-Black River Regulating District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 15.49 ft, Jan. 20, 1996; minimum recorded, -4.50 ft, Mar. 8, 1986.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 8.87 ft, June 7; minimum, -3.43 ft, Dec. 12.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.15	-1.03	2.09	2.64	-.79	1.23	2.36	-1.21	.65	3.44	-.98	1.21
2	4.87	-.87	1.75	3.58	-.43	1.97	4.53	.11	2.28	3.39	-1.18	1.18
3	3.69	-1.43	1.50	5.99	.63	3.52	3.68	-.11	1.92	3.21	-1.07	1.19
4	3.95	-1.53	1.21	3.58	-1.01	1.37	3.89	-.08	2.03	4.09	-.73	1.57
5	3.91	-1.39	1.55	3.03	-1.13	1.09	4.05	-.29	1.88	3.87	1.12	2.32
6	4.76	-.52	2.13	3.12	-1.18	1.10	3.86	-.30	2.13	4.41	.03	2.08
7	3.87	-1.60	1.23	2.71	-1.28	.87	2.94	-.67	1.31	4.08	.11	2.14
8	4.16	-.80	1.79	3.63	-1.46	1.22	3.30	-1.04	1.05	3.02	-1.32	.90
9	4.46	-.35	2.05	4.42	-.67	1.92	3.20	-1.02	1.12	3.38	-.47	1.51
10	4.04	-1.09	1.62	3.71	-.69	1.61	4.08	-.59	1.74	4.20	-.48	1.75
11	3.55	-1.01	1.55	3.20	-1.67	.83	1.91	-2.09	.05	4.34	.65	2.58
12	3.78	-.80	1.52	4.16	-.39	1.97	2.82	-3.43	-.41	2.28	-1.07	.93
13	4.14	-.32	1.94	3.54	-.39	1.63	3.64	-.27	1.88	2.98	-1.08	1.18
14	3.81	-1.46	1.14	4.45	-.24	2.20	4.36	-.35	1.52	1.61	-2.38	-.10
15	3.63	-1.93	1.02	2.52	-1.31	.52	4.11	.64	2.61	1.71	-2.52	.01
16	3.69	-.34	1.45	2.10	-1.20	.48	3.90	.57	2.24	3.91	-.33	1.58
17	3.79	-.17	1.56	1.67	-2.33	.08	2.33	-.99	.87	1.52	-2.74	-.95
18	1.39	-2.10	.50	3.19	-.64	1.32	2.39	-1.51	.58	2.85	-.68	.88
19	3.35	.07	1.87	3.20	-.93	1.33	3.22	-.97	1.20	3.59	.97	2.29
20	3.87	-.17	1.87	3.63	-.51	1.66	3.92	-.61	1.61	3.96	.77	2.33
21	3.48	-.32	1.69	3.42	-.94	1.39	3.94	-.76	1.98	3.67	.83	2.27
22	4.19	.00	2.26	3.86	-.81	1.58	3.93	-.75	1.55	1.73	-.42	.78
23	4.81	.49	2.83	3.87	-.73	1.67	4.24	-.61	1.83	2.40	-.82	.64
24	4.40	.30	2.49	4.43	-.74	1.80	3.59	-1.20	1.35	3.46	.26	1.90
25	4.29	-.48	2.04	3.82	-1.01	1.52	3.69	-1.14	1.28	3.49	.56	1.97
26	4.68	-.05	2.39	4.25	-.88	1.64	3.99	-.47	1.96	3.35	.78	2.04
27	3.87	-.60	1.82	4.84	.12	2.52	2.84	-1.55	.76	1.78	-.42	.79
28	4.42	-.62	1.79	4.08	.62	2.56	3.69	-1.36	1.03	1.09	-.79	.25
29	3.69	-.49	1.82	3.65	.03	1.92	3.59	-.71	1.43	1.09	-1.38	.03
30	3.90	-.87	1.40	2.99	-.82	1.25	3.48	-1.24	1.14	2.07	-.30	.93
31	3.85	-.31	1.75	---	---	---	2.58	-2.01	.47	2.71	.07	1.45
MAX	5.15	.49	2.83	5.99	.63	3.52	4.53	.64	2.61	4.41	1.12	2.58
MIN	1.39	-2.10	.50	1.67	-2.33	.08	1.91	-3.43	-.41	1.09	-2.74	-.95

High = Daily tidal high
Low = Daily tidal low

01359139 HUDSON RIVER AT ALBANY, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.92	-.43	.72	5.26	2.72	4.05	4.51	-.30	2.18	5.13	-.33	2.47
2	1.37	-.86	.30	4.79	1.15	3.42	4.57	-.56	2.17	5.44	-1.09	2.20
3	2.03	-1.14	.32	3.58	-.14	1.88	4.54	-.69	2.06	4.94	-.75	2.21
4	2.95	.28	1.62	4.32	-.01	2.02	6.16	.62	3.55	5.35	-.44	2.67
5	2.86	.60	1.78	4.68	.19	2.44	7.09	3.27	4.93	5.43	-1.01	2.17
6	2.14	-.41	.93	3.93	-.68	1.74	5.98	2.11	4.08	5.10	-1.39	1.98
7	1.96	-.64	.71	4.57	-.71	2.07	5.96	1.14	3.54	5.53	-1.03	2.39
8	1.95	-.87	.50	4.54	-.46	2.21	6.12	.74	3.78	5.29	-.73	2.30
9	2.52	.00	1.35	5.29	.17	2.98	5.46	.23	2.67	5.35	-.78	2.30
10	2.04	-.30	1.00	4.94	.13	2.57	4.54	.20	2.29	5.65	-.47	2.71
11	3.17	.02	1.70	5.33	.48	3.16	5.21	.69	2.88	6.33	1.30	3.65
12	2.65	-.23	1.12	6.14	1.50	3.85	5.38	.23	2.72	5.93	1.23	3.70
13	2.54	-.10	1.21	5.13	1.00	3.01	4.64	-.09	2.09	5.95	1.67	3.83
14	3.32	.26	1.82	5.14	.59	2.68	5.02	.28	2.56	6.82	3.59	5.23
15	2.74	-.38	1.37	4.79	.18	2.43	5.10	.16	2.77	6.93	2.15	4.62
16	3.60	.18	1.80	4.91	-.31	2.43	5.05	-.27	2.63	6.32	1.05	3.84
17	2.79	-.26	1.45	3.73	-.71	1.66	5.33	.09	2.88	6.17	.79	3.53
18	3.23	.10	1.59	4.96	-.47	2.27	6.14	.88	3.49	6.05	.80	3.56
19	3.45	.35	1.92	5.53	.29	3.06	5.90	.54	3.33	5.45	.57	3.10
20	3.72	.66	2.24	5.67	.41	3.22	5.87	.70	3.33	6.17	1.29	3.67
21	2.92	.15	1.69	5.78	.49	3.20	6.07	.27	3.58	6.21	1.05	3.49
22	2.92	.09	1.55	5.66	.34	2.99	6.26	1.70	4.04	5.57	.55	3.02
23	2.97	.26	1.70	5.22	-.21	2.44	6.28	2.52	4.25	5.43	.43	2.90
24	2.82	.20	1.54	4.40	-.91	1.77	5.56	1.63	3.51	5.64	.89	3.42
25	3.17	.04	1.71	4.53	-.55	2.10	5.35	1.31	3.21	6.05	1.30	3.59
26	4.22	1.31	2.98	4.45	-.52	1.82	5.88	1.35	3.55	5.20	.81	2.92
27	4.52	2.86	3.86	4.36	-.21	2.15	5.31	1.18	3.25	4.57	.22	2.54
28	7.38	6.80	6.29	5.36	.58	2.91	4.62	.26	2.47	4.47	-.35	2.30
29	6.85	3.90	5.86	6.15	2.60	3.93	4.68	.10	2.50	4.91	-.32	2.41
30	---	---	---	4.71	1.10	2.87	4.73	-.91	2.04	5.42	-.43	2.65
31	---	---	---	4.63	.20	2.48	---	---	---	5.71	-.72	2.56
MAX	7.38	6.80	6.29	6.15	2.72	4.05	7.09	3.27	4.93	6.93	3.59	5.23
MIN	1.37	-1.14	.30	3.58	-.91	1.66	4.51	-.91	2.04	4.47	-1.39	1.98

DAY	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN	HIGH	LOW	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.53	-1.30	2.24	5.31	-1.59	1.85	5.73	-.73	2.64	4.84	-1.60	1.86
2	5.32	-.93	2.27	5.44	-1.59	2.01	5.73	-.58	2.78	4.67	-1.58	1.83
3	5.69	-1.05	2.21	5.44	-1.54	2.06	5.68	-.41	2.79	4.97	-1.07	2.02
4	5.47	-1.23	2.27	5.35	-1.58	1.99	5.16	-.61	2.41	4.28	-1.32	1.67
5	5.46	-1.07	2.19	5.16	-1.79	1.78	4.67	-1.36	1.87	4.74	-1.82	1.23
6	5.54	-1.19	2.71	4.85	-1.70	1.74	5.00	-.87	2.01	4.44	-1.07	1.47
7	8.87	4.18	6.90	4.52	-2.04	1.39	4.52	-.97	1.88	2.98	-.92	1.41
8	6.69	2.35	5.09	4.24	-2.06	1.15	3.53	-1.05	1.49	4.43	-1.26	1.27
9	5.56	-.03	2.95	3.74	-1.59	1.36	4.39	-.79	1.69	4.07	-1.53	1.05
10	4.97	-.43	2.26	4.79	-1.71	1.50	4.58	-1.06	1.53	4.20	-1.31	1.52
11	4.49	-.77	2.17	4.31	-1.44	1.28	4.54	-.83	1.78	4.93	-.98	1.95
12	5.01	-.09	2.55	4.55	-1.42	1.34	4.85	.41	2.82	5.01	-1.04	1.97
13	5.55	.20	2.80	4.69	-1.33	1.48	6.23	.73	3.51	5.06	-1.09	1.96
14	6.06	1.19	3.64	5.14	-.85	1.98	5.73	-.12	2.87	4.88	-.88	2.33
15	6.15	.21	3.23	5.10	-.96	2.53	4.97	-.60	2.35	5.33	-.51	2.58
16	5.73	-.02	2.85	6.01	1.58	3.72	5.51	-.03	2.69	4.81	-1.03	2.15
17	5.45	-.30	2.37	6.05	1.01	3.41	5.01	-.32	2.42	4.81	-1.10	1.99
18	4.67	-.95	1.87	5.68	.21	2.94	4.98	-.69	2.41	4.23	-1.88	1.40
19	4.93	-1.09	1.92	4.90	-.83	2.25	4.77	-.98	2.20	4.56	-1.52	1.51
20	4.87	-1.29	1.78	4.72	-1.15	1.94	4.40	-1.38	1.86	4.58	-1.55	1.45
21	4.64	-.99	2.07	5.04	-.90	2.23	4.19	-1.59	1.54	4.31	-1.24	1.48
22	4.92	-.73	2.16	4.52	-1.24	1.87	4.52	-1.59	1.42	4.32	-1.98	.89
23	4.45	-1.11	1.89	4.17	-1.58	1.52	5.14	-1.03	1.83	3.78	-1.80	1.37
24	4.25	-1.27	1.73	4.37	-1.67	1.38	4.81	-1.34	1.60	4.95	-1.58	1.54
25	4.80	-.74	2.00	4.90	-1.24	1.66	3.64	-1.42	1.58	4.40	-1.94	1.24
26	3.90	-1.18	1.69	3.74	-1.57	1.53	4.96	-1.40	1.74	5.24	-1.22	2.15
27	4.79	-1.49	1.65	4.96	-1.39	1.70	5.20	-1.46	1.91	5.52	-1.13	2.45
28	4.58	-1.58	1.49	5.19	-1.26	1.85	5.12	-1.78	1.78	5.11	-1.80	1.69
29	5.17	-1.14	1.93	5.53	-1.44	2.02	5.15	-1.45	2.12	4.79	-2.08	1.69
30	5.53	-1.56	1.99	5.42	-1.38	2.02	5.40	-1.28	2.15	4.97	-1.38	1.86
31	---	---	---	5.54	-1.02	2.43	4.97	-1.70	1.90	---	---	---
MAX	8.87	4.18	6.90	6.05	1.58	3.72	6.23	.73	3.51	5.52	-.51	2.58
MIN	3.90	-1.58	1.49	3.74	-2.06	1.15	3.53	-1.78	1.42	2.98	-2.08	.89

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 mi^2.
PERIOD OF RECORD.--October 1990 to current year.
GAGE.--Water-stage recorder, concrete control, and crest-stage gage. Elevation of gage is 450 ft above 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 ft^3/s, June 6, 2000, gage height, 6.18 ft, from rating curve extended above 310 ft^3/s; minimum discharge, 0.07 ft^3/s, Aug. 4, 1999, gage height, 0.75 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 130 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	0830	253	3.98	June 6	2400	a*856	*6.18
Feb. 28	0800	464	4.94	July 16	0100	305	4.35
May 25	1045	158	3.38	Aug. 3	1915	457	4.92
June 2	1900	131	3.17	Aug. 12	1130	206	3.87

a From rating curve extended above 310 ft^3/s.

Minimum discharge, 1.6 ft^3/s, July 15, Sept. 12, gage height, 1.13 ft.

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

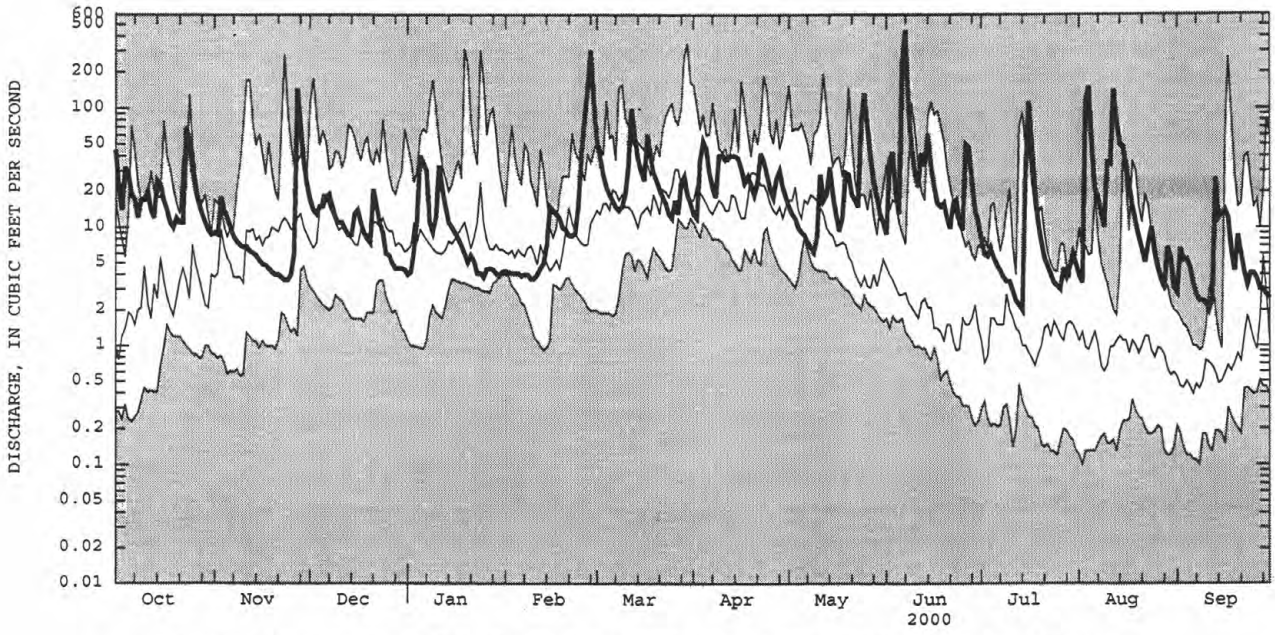
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	9.0	17	4.0	4.3	53	13	15	8.8	7.9	3.9	2.8
2	22	8.7	14	4.2	4.2	39	12	13	37	5.9	3.4	6.7
3	14	18	13	6.4	4.1	28	36	12	43	5.7	114	5.3
4	32	14	15	12	4.1	22	53	10	19	6.7	150	5.4
5	28	12	15	40	4.1	19	46	9.2	13	5.5	49	4.6
6	19	10	18	e35	3.9	17	29	8.6	220	4.8	21	3.4
7	17	8.4	19	e30	4.0	15	22	7.6	448	4.3	18	2.7
8	12	7.6	15	11	4.0	14	18	6.8	96	3.8	13	2.4
9	17	7.1	12	9.1	3.7	15	40	6.2	46	3.5	10	2.4
10	17	6.8	11	12	3.7	19	41	8.4	28	3.5	35	2.3
11	20	6.9	11	33	e4.0	33	37	28	22	2.9	34	2.0
12	14	6.3	9.6	21	e4.5	99	39	17	42	2.4	142	2.5
13	12	6.1	8.6	15	e5.0	59	40	19	33	2.2	78	26
14	25	5.8	8.6	e11	7.1	38	40	32	61	2.0	50	12
15	23	5.3	13	e10	15	30	38	19	33	28	47	13
16	17	4.9	14	e9.0	e14	25	31	13	22	112	33	14
17	14	4.8	e11	e8.0	e13	61	24	9.4	16	50	22	12
18	11	4.5	e9.0	e7.0	e12	41	27	12	15	20	15	6.4
19	10	4.2	e8.0	e6.0	10	29	23	29	16	11	11	4.3
20	12	4.0	7.4	5.1	9.6	25	19	28	12	7.5	8.3	8.6
21	11	4.0	21	5.8	8.6	21	24	19	9.8	5.5	6.5	6.0
22	11	3.8	e15	5.2	e8.5	18	42	17	16	4.7	5.1	4.2
23	70	3.6	e11	4.1	e9.0	16	36	15	17	4.0	7.3	3.3
24	53	3.6	e9.0	4.1	15	13	28	74	11	3.4	10	4.1
25	30	4.0	e6.0	3.8	42	12	21	133	9.5	3.2	6.2	4.1
26	21	6.0	e5.8	4.4	82	17	18	70	49	3.0	4.5	3.7
27	16	145	e5.0	4.5	149	13	26	38	46	4.5	3.6	3.0
28	13	72	e4.5	4.4	304	24	30	24	24	3.8	3.1	3.0
29	11	35	e4.5	4.1	109	27	22	18	14	4.6	6.8	2.7
30	9.5	23	4.5	3.9	---	19	18	13	11	6.0	5.5	2.5
31	8.7	---	4.4	4.2	---	16	---	11	---	4.9	3.1	---
TOTAL	635.2	454.4	339.9	337.3	861.4	877	893	735.2	1438.1	337.2	919.3	175.4
MEAN	20.5	15.1	11.0	10.9	29.7	28.3	29.8	23.7	47.9	10.9	29.7	5.85
MAX	70	145	21	40	304	99	53	133	448	112	150	26
MIN	8.7	3.6	4.4	3.8	3.7	12	12	6.2	8.8	2.0	3.1	2.0
CFSM	2.16	1.60	1.16	1.15	3.13	2.98	3.14	2.50	5.06	1.15	3.13	.62
IN.	2.49	1.78	1.33	1.32	3.38	3.44	3.50	2.88	5.64	1.32	3.61	.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	7.52	13.8	15.6	17.5	12.5	27.2	27.9	16.8	10.4	4.10	4.93	4.48
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	4.88	3.44	13.1	7.70	4.05	1.13	.32	.43	.49
(WY)	1998	1995	1999	1994	1993	1992	1999	1995	1995	1991	1993	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	5385.59		8003.4			
ANNUAL MEAN	14.8		21.9		13.6	
HIGHEST ANNUAL MEAN					21.9	2000
LOWEST ANNUAL MEAN					7.45	1995
HIGHEST DAILY MEAN	304	Jan 24	448	Jun 7	448	Jun 7 2000
LOWEST DAILY MEAN	.13	Aug 2	2.0	Jul 14	.10	Aug 2 1991
ANNUAL SEVEN-DAY MINIMUM	.14	Aug 2	2.5	Sep 6	.13	Sep 2 1995
ANNUAL RUNOFF (CFSM)	1.56		2.31		1.43	
ANNUAL RUNOFF (INCHES)	21.13		31.41		19.43	
10 PERCENT EXCEEDS	32		42		33	
50 PERCENT EXCEEDS	7.6		12		5.9	
90 PERCENT EXCEEDS	.57		3.9		.60	

e Estimated



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

013621955 BIRCH CREEK AT BIG INDIAN, NY

LOCATION.--Lat 42°06'32", long 74°27'08", Ulster County, Hydrologic Unit 02020006, on left bank 10 ft west of State Route 28, and 0.1 mi upstream from bridge on Lasher Road, at Big Indian.
DRAINAGE AREA.--12.5 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,240 ft above 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, 518 ft^3/s, Sept. 16, 1999, gage height, 5.21 ft, from rating curve extended above 170 ft^3/s, on basis of step-backwater analysis of peak flow; minimum discharge, 2.7 ft^3/s, Oct. 1, 6, 7, Nov. 6, 7, 9, 10, 1998, Sept. 3, 4, 5, 1999; minimum gage height, 2.42 ft, Oct. 1, 6, 7, 1998, Sept. 3, 4, 5, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2230	221	4.04	June 7	0100	257	4.20
Feb. 28	0530	*304	*4.40				

Minimum discharge, 4.3 ft^3/s, Sept. 29, 30, gage height, 2.45 ft.

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	20	20	28	16	e8.6	114	60	42	37	22	13	8.8
2	18	45	26	17	e8.4	93	56	38	37	20	12	8.7
3	17	66	28	17	e8.2	75	57	35	35	20	12	8.1
4	28	53	27	21	e8.0	64	76	32	30	19	12	8.2
5	24	47	26	18	e7.8	59	70	31	29	17	11	7.4
6	23	43	27	13	e7.8	52	66	29	107	15	11	7.0
7	23	38	25	16	e7.6	48	62	28	175	14	11	6.7
8	22	36	22	14	e7.4	49	61	27	111	13	10	6.4
9	25	33	22	16	e7.2	58	68	26	78	12	11	6.6
10	24	31	22	20	e7.2	77	58	29	59	11	9.4	6.3
11	23	28	19	22	e7.4	89	54	34	50	10	13	6.0
12	22	27	17	18	e7.6	142	52	36	66	9.6	33	7.5
13	21	25	19	e16	16	118	53	41	57	9.1	27	17
14	26	24	20	e15	21	98	53	45	55	8.7	29	7.2
15	23	23	22	e14	17	82	49	50	51	26	29	7.5
16	22	21	21	e14	15	75	52	41	46	55	33	6.0
17	22	18	18	e13	e14	101	52	39	41	33	27	5.9
18	22	16	15	e13	e13	79	58	46	39	27	27	5.7
19	21	16	14	e12	e13	74	53	52	35	24	26	5.7
20	23	16	20	e12	e12	68	56	53	30	22	22	5.7
21	21	15	27	e12	e12	62	67	56	30	21	20	5.4
22	21	14	21	e11	e13	57	80	59	32	19	18	5.3
23	28	14	20	e11	16	52	89	63	27	17	18	5.2
24	24	14	20	e10	19	48	85	85	24	16	17	5.2
25	24	14	19	e10	37	47	77	95	29	15	15	5.0
26	24	20	19	e10	50	46	68	62	31	14	13	5.3
27	24	41	19	e9.6	110	43	62	59	27	15	12	5.0
28	23	33	17	e9.4	239	88	58	53	26	14	11	4.8
29	22	33	16	e9.2	159	72	51	47	25	16	10	4.6
30	21	31	17	e9.0	---	69	45	43	24	15	9.9	4.4
31	21	---	18	e8.8	---	64	---	39	---	13	9.3	---
TOTAL	702	855	651	427.0	869.2	2263	1848	1415	1443	562.4	531.6	198.6
MEAN	22.6	28.5	21.0	13.8	30.0	73.0	61.6	45.6	48.1	18.1	17.1	6.62
MAX	28	66	28	22	239	142	89	95	175	55	33	17
MIN	17	14	14	8.8	7.2	43	45	26	24	8.7	9.3	4.4
CFSM	1.81	2.28	1.68	1.10	2.40	5.84	4.93	3.65	3.85	1.45	1.37	.53
IN.	2.09	2.54	1.94	1.27	2.59	6.73	5.50	4.21	4.29	1.67	1.58	.59

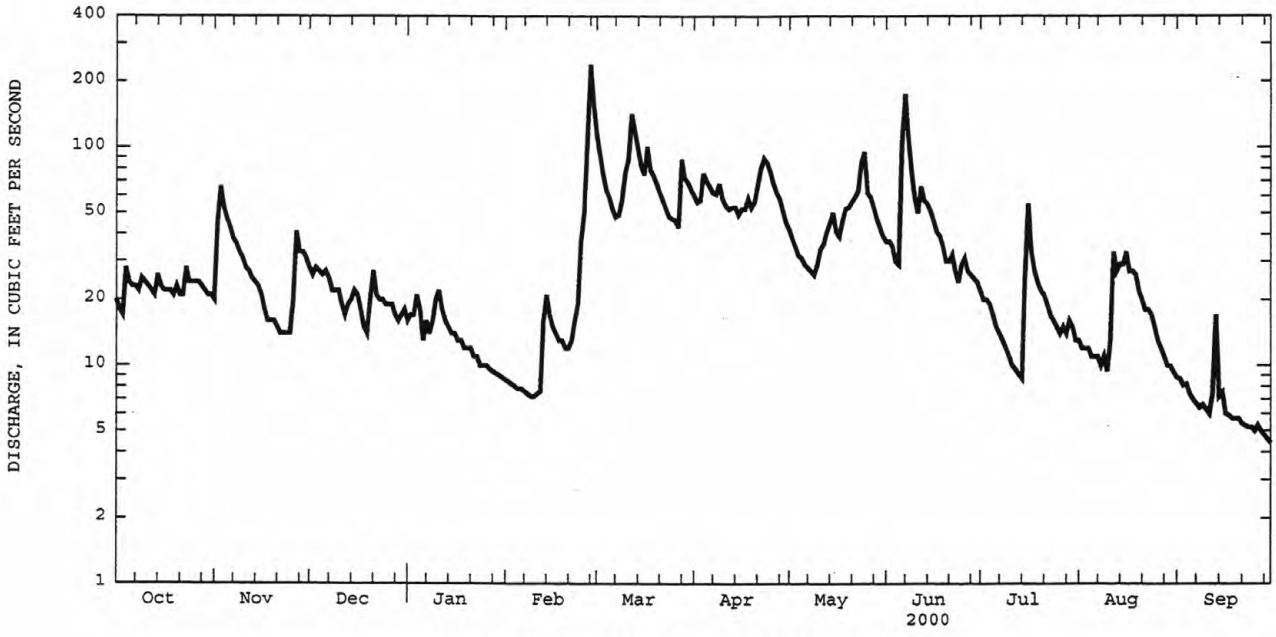
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	13.4	16.5	13.1	29.8	31.0	53.8	48.7	32.5	29.2	18.1	10.8	14.6
MAX	22.6	28.5	21.0	45.9	32.0	73.0	61.6	45.6	48.1	18.1	17.1	22.6
(WY)	2000	2000	2000	1999	1999	2000	2000	2000	2000	2000	2000	1999
MIN	4.11	4.56	5.20	13.8	30.0	34.6	35.8	19.3	10.4	18.0	4.40	6.62
(WY)	1999	1999	1999	2000	2000	1999	1999	1999	1999	1999	1999	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	8958.2		11765.8			
ANNUAL MEAN	24.5		32.1		25.9	
HIGHEST ANNUAL MEAN					32.1	2000
LOWEST ANNUAL MEAN					19.7	1999
HIGHEST DAILY MEAN	231	Jan 24	239	Feb 28	239	Feb 28 2000
LOWEST DAILY MEAN	2.7	Sep 5	4.4	Sep 30	2.7	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	3.0	Aug 30	4.9	Sep 24	2.9	Nov 3 1998
ANNUAL RUNOFF (CFSM)	1.96		2.57		2.07	
ANNUAL RUNOFF (INCHES)	26.66		35.02		28.16	
10 PERCENT EXCEEDS	45		66		58	
50 PERCENT EXCEEDS	21		22		19	
90 PERCENT EXCEEDS	4.9		8.2		4.3	

e Estimated

013621955 BIRCH CREEK AT BIG INDIAN, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01362200 ESOPUS CREEK AT ALLABEN, NY

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.
DRAINAGE AREA.--63.7 mi^2.
PERIOD OF RECORD.--October 1963 to current year. Prior to October 1988, published as "at Shandaken" (01362198).
GAGE.--Water-stage recorder. Datum of gage is 998.04 ft above sea level. Prior to November 22, 1988, at site 0.5 mi upstream at datum 19.23 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional slight regulation when filling or draining swimming pools or small ponds upstream from station. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,100 ft^3/s, Apr. 4, 1987, gage height, 13.70 ft, from floodmarks, site and datum then in use, from rating curve extended above 3,000 ft^3/s, on basis of slope-area measurement at gage height 13.70 ft, at site 0.5 mi upstream, includes undetermined amount of flow bypassing gage; minimum discharge, 2.1 ft^3/s, Sept. 16, 1983 (result of slight regulation upstream from station).
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951 reached a stage of about 15.1 ft, at previous site and datum, from information supplied by local residents.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2345	1,290	6.10	June 7	0130	*2,150	*7.15
Feb. 28	0445	2,060	7.05	July 16	1015	1,190	5.96
Mar. 12	0800	1,170	5.93				

Minimum discharge, 23 ft^3/s, Sept. 29, 30, gage height, 3.20 ft.

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	117	95	241	91	e49	706	325	194	153	109	81	45
2	102	237	211	88	e48	562	285	172	144	97	76	44
3	95	813	191	87	e47	423	271	148	127	94	75	40
4	157	561	174	94	e46	338	435	132	107	90	72	42
5	151	440	157	95	e45	285	452	123	99	78	64	37
6	146	351	160	79	e44	240	418	112	619	69	60	34
7	138	279	144	80	e43	211	369	102	1510	63	63	32
8	133	233	128	76	e43	211	328	95	840	56	55	30
9	137	199	121	77	e42	281	357	88	575	52	51	30
10	135	175	117	97	e42	519	289	105	408	48	47	30
11	139	154	113	122	e41	533	257	118	323	44	60	28
12	128	136	103	106	e41	1010	248	114	455	41	213	32
13	118	126	101	e94	e41	806	231	152	420	38	202	118
14	137	114	103	89	e160	634	224	213	407	35	178	63
15	128	106	119	e82	128	497	220	209	379	218	189	55
16	119	97	120	e78	91	410	226	200	332	658	213	46
17	116	87	112	e76	83	573	231	183	284	432	187	42
18	112	79	107	e72	86	469	265	191	258	288	169	38
19	102	74	101	e70	93	418	244	243	233	220	147	35
20	111	72	115	e68	82	365	240	273	193	176	126	34
21	110	70	186	e66	77	313	300	283	177	143	111	31
22	103	66	168	e64	76	271	527	296	217	122	98	29
23	159	63	e160	e62	80	239	615	319	171	104	98	29
24	154	62	e150	e60	97	213	568	419	149	91	98	28
25	148	64	e140	e58	230	196	479	466	155	81	82	27
26	143	83	e130	e56	431	188	400	426	180	75	74	28
27	138	428	e120	e56	760	170	343	368	154	86	67	27
28	130	370	e110	e54	1600	518	303	309	139	78	61	25
29	118	319	e105	e52	992	509	257	260	129	92	55	24
30	110	280	e100	e52	---	449	221	218	122	93	51	23
31	101	---	e95	e50	---	385	---	181	---	84	47	---
TOTAL	3935	6233	4202	2351	5638	12942	9928	6712	9459	3955	3170	1126
MEAN	127	208	136	75.8	194	417	331	217	315	128	102	37.5
MAX	159	813	241	122	1600	1010	615	466	1510	658	213	118
MIN	95	62	95	50	41	170	220	88	99	35	47	23
CFSM	1.99	3.26	2.13	1.19	3.05	6.55	5.20	3.40	4.95	2.00	1.61	.59
IN.	2.30	3.64	2.45	1.37	3.29	7.56	5.80	3.92	5.52	2.31	1.85	.66

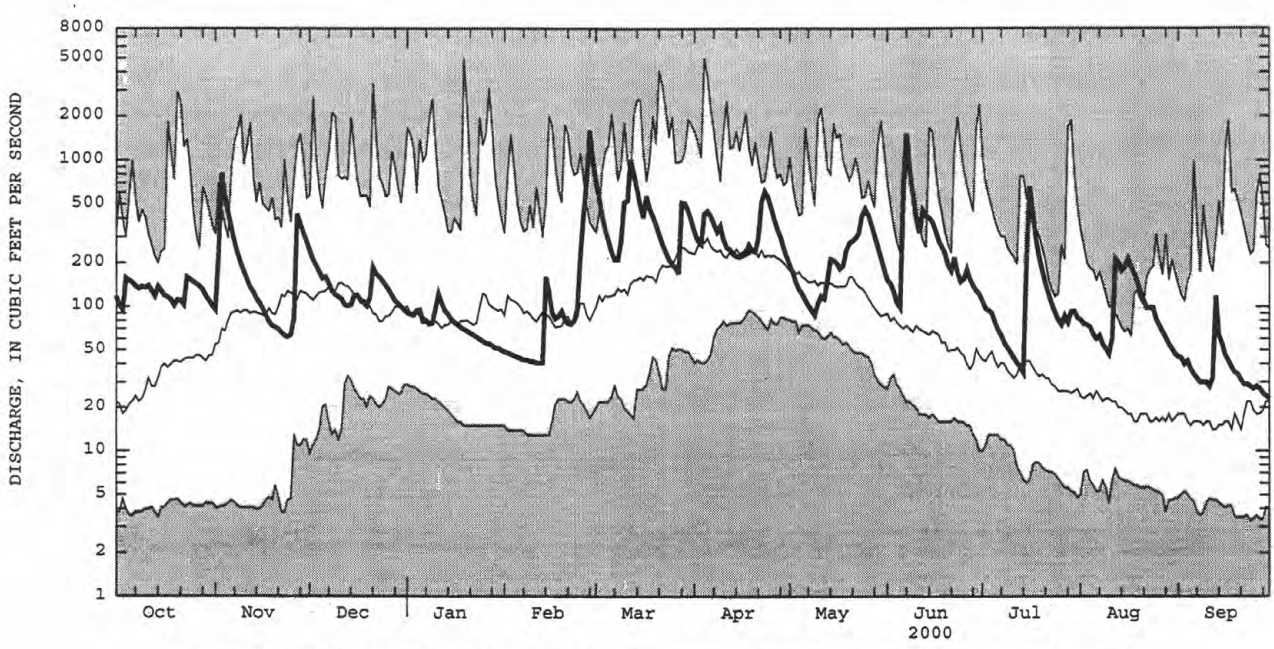
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	84.9	146	164	157	145	254	330	201	107	58.9	31.8	44.1
MAX	370	346	496	557	385	553	827	511	363	212	102	213
(WY)	1978	1973	1974	1996	1981	1977	1993	1989	1973	1996	2000	1987
MIN	4.16	5.58	39.3	19.4	29.6	69.9	123	67.3	19.4	8.94	6.30	4.23
(WY)	1965	1965	1999	1981	1987	1970	1995	1987	1965	1965	1964	1964

e Estimated

01362200 ESOPUS CREEK AT ALLABEN, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	58814		69651			
ANNUAL MEAN	161		190		143	
HIGHEST ANNUAL MEAN					224	1996
LOWEST ANNUAL MEAN					59.8	1965
HIGHEST DAILY MEAN	1970	Jan 24	1600	Feb 28	5000	Apr 4 1987
LOWEST DAILY MEAN	12	Sep 2	23	Sep 30	3.3	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	13	Aug 30	26	Sep 24	3.5	Sep 22 1964
ANNUAL RUNOFF (CFSM)	2.53		2.99		2.25	
ANNUAL RUNOFF (INCHES)	34.35		40.68		30.57	
10 PERCENT EXCEEDS	317		424		316	
50 PERCENT EXCEEDS	121		122		80	
90 PERCENT EXCEEDS	20		44		14	



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

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY

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 ft^3/s, Apr. 22, 23, 24, 25, 1999, gage height, 5.58 ft; minimum discharge, 0.14 ft^3/s, part or all of each day Dec. 30, 1996, Jan. 1, 3-11, 15-16, 18-22, 1997; minimum gage height since concrete control, 1.91 ft, July 3, 1998, June 10, 11, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 787 ft^3/s, May 23, gage height, 5.30 ft; minimum, 0.30 ft^3/s, June 10, 11, gage height, 1.91 ft.

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

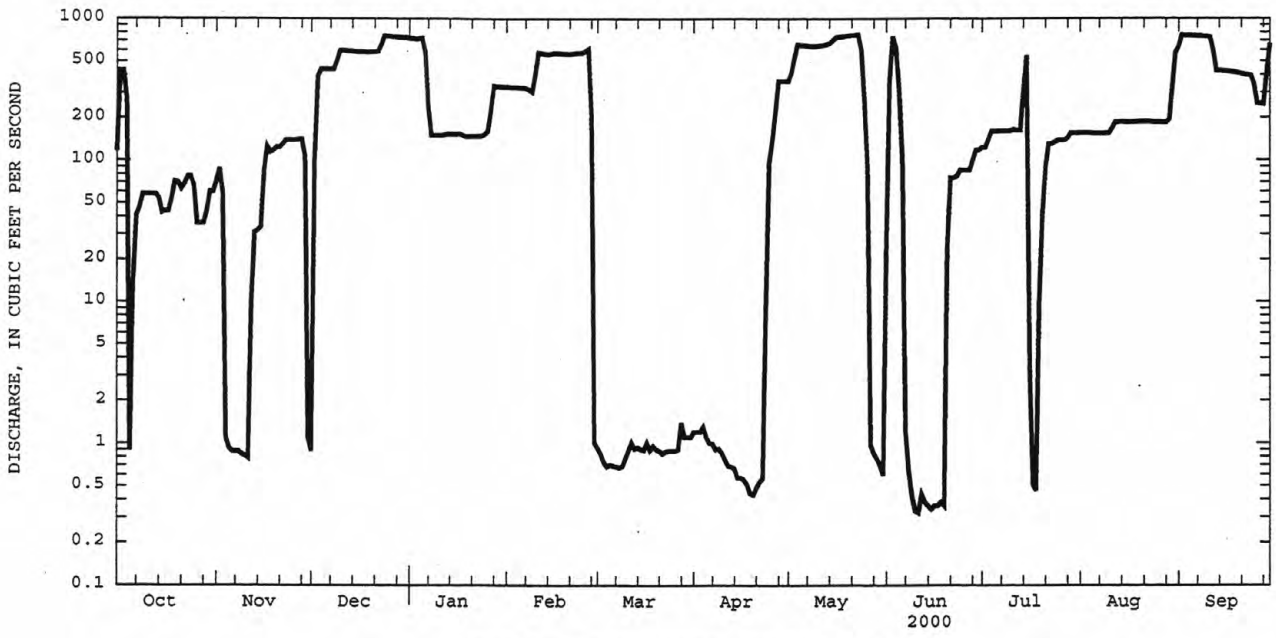
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	71	.88	726	328	.92	1.2	360	26	123	156	633
2	433	88	96	723	327	.84	1.2	410	366	123	156	761
3	433	58	388	720	326	.73	1.2	520	746	140	156	758
4	271	1.1	439	721	326	.68	1.3	654	626	160	156	757
5	.89	.93	439	726	325	.70	1.1	650	305	160	154	756
6	14	.88	439	580	324	.69	1.0	647	102	160	154	755
7	41	.88	439	235	323	.68	.99	645	1.2	161	154	751
8	47	.88	439	150	313	.67	.90	640	.63	161	154	750
9	58	.84	504	150	303	.68	.91	636	.42	161	155	746
10	58	.82	595	150	406	.77	.85	639	.33	161	155	742
11	58	.79	598	150	575	.88	.76	644	.32	164	168	736
12	58	9.6	593	151	570	1.0	.69	649	.43	162	185	591
13	58	31	590	153	563	.91	.68	656	.38	162	186	427
14	54	32	589	153	558	.93	.66	669	.36	312	186	427
15	43	34	585	153	565	.90	.57	701	.34	547	185	426
16	44	85	585	153	570	.89	.57	735	.36	3.8	185	424
17	44	125	585	154	569	1.0	.55	740	.36	.51	186	421
18	54	114	581	151	568	.89	.51	744	.38	.46	186	419
19	71	118	581	147	566	.95	.44	751	.36	10	186	415
20	70	124	581	147	565	.90	.43	756	25	42	187	411
21	63	124	584	147	562	.88	.48	761	75	89	187	406
22	68	131	587	147	567	.84	.53	764	75	130	187	401
23	77	139	658	148	571	.87	.56	767	77	130	187	399
24	77	139	753	148	572	.88	8.8	604	85	134	185	395
25	66	139	751	152	575	.88	94	259	85	138	185	344
26	36	139	746	160	591	.88	137	86	85	138	185	251
27	36	140	742	222	611	.90	221	.96	85	138	184	250
28	36	140	740	335	197	1.4	362	.84	99	143	184	248
29	44	105	736	331	1.0	1.1	362	.77	117	155	194	417
30	60	1.1	732	330	---	1.1	362	.69	118	155	337	665
31	60	---	733	328	---	1.1	---	.59	---	155	575	---
TOTAL	2648.89	2093.82	17408.88	8841	13217.0	27.44	1564.88	16090.85	3102.87	4418.77	5980	15882
MEAN	85.4	69.8	562	285	456	.89	52.2	519	103	143	193	529
MAX	433	140	753	726	611	1.4	362	767	746	547	575	761
MIN	.89	.79	.88	147	1.0	.67	.43	.59	.32	.46	154	248

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

MEAN	163	143	407	183	271	82.3	149	295	197	188	182	271
MAX	207	243	562	285	456	258	541	577	240	260	230	529
(WY)	1999	1998	2000	2000	2000	1999	1999	1999	1997	1997	1998	2000
MIN	85.4	69.8	100	4.66	54.6	.86	.99	18.1	103	133	138	96.5
(WY)	2000	2000	1999	1997	1997	1997	1997	1997	2000	1999	1997	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	102043.92		91276.40			
ANNUAL MEAN	280		249		236	
HIGHEST ANNUAL MEAN					255	1999
LOWEST ANNUAL MEAN					204	1998
HIGHEST DAILY MEAN	913	Apr 24	767	May 23	913	Apr 24 1999
LOWEST DAILY MEAN	.77	May 6	.32	Jun 11	.22	Jan 3 1997
ANNUAL SEVEN-DAY MINIMUM	.86	Nov 5	.36	Jun 10	.23	Dec 31 1996
10 PERCENT EXCEEDS	700		657		578	
50 PERCENT EXCEEDS	160		154		140	
90 PERCENT EXCEEDS	17		.77		.88	

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

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.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 22.0°C, Aug. 9, 31, 1999; 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, 19.0°C, Sept. 11, 13, 15, 21, 22; minimum recorded, 0.5°C, Feb. 26, 27, 28, and may have also occurred during period of missing record.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

01362230 DIVERSION FROM SCHOHARIE RESERVOIR, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.5	1.5	1.5	---	---	---	---	---	---	8.5	7.0	8.0
2	1.5	1.5	1.5	---	---	---	---	---	---	8.5	7.0	7.5
3	1.5	1.5	1.5	---	---	---	---	---	---	8.5	8.0	8.5
4	1.5	1.5	1.5	---	---	---	---	---	---	8.0	8.0	8.0
5	1.5	1.5	1.5	---	---	---	---	---	---	10.0	8.0	8.5
6	1.5	1.5	1.5	---	---	---	---	---	---	10.0	8.0	8.5
7	1.5	1.5	1.5	---	---	---	---	---	---	9.0	8.5	8.5
8	1.5	1.5	1.5	---	---	---	---	---	---	9.5	8.5	9.0
9	1.5	1.5	1.5	---	---	---	---	---	---	9.5	8.5	9.0
10	1.5	1.0	1.5	---	---	---	---	---	---	9.5	8.0	8.5
11	1.0	1.0	1.0	---	---	---	---	---	---	10.5	8.0	9.5
12	1.0	1.0	1.0	---	---	---	---	---	---	10.5	8.5	9.0
13	1.0	1.0	1.0	---	---	---	---	---	---	10.0	9.0	9.5
14	1.0	1.0	1.0	---	---	---	---	---	---	10.5	9.0	9.5
15	1.0	1.0	1.0	---	---	---	---	---	---	11.5	9.0	10.0
16	1.0	1.0	1.0	---	---	---	---	---	---	11.5	9.0	10.5
17	1.0	1.0	1.0	---	---	---	---	---	---	11.0	10.0	10.5
18	1.0	1.0	1.0	---	---	---	---	---	---	11.5	9.0	10.0
19	1.0	1.0	1.0	---	---	---	---	---	---	13.5	10.0	11.5
20	1.0	1.0	1.0	---	---	---	---	---	---	11.5	10.5	11.0
21	1.0	1.0	1.0	---	---	---	---	---	---	11.5	10.5	11.0
22	1.0	1.0	1.0	---	---	---	---	---	---	11.5	11.0	11.0
23	1.0	1.0	1.0	---	---	---	---	---	---	11.5	11.0	11.0
24	1.0	1.0	1.0	---	---	---	---	---	---	11.5	10.5	11.0
25	1.0	1.0	1.0	---	---	---	7.5	6.0	6.5	10.5	8.5	9.5
26	1.0	.5	1.0	---	---	---	7.5	7.0	7.5	10.0	8.5	9.0
27	1.0	.5	.5	---	---	---	7.5	7.0	7.0	---	---	---
28	---	.5	---	---	---	---	7.5	7.0	7.0	---	---	---
29	---	---	---	---	---	---	7.5	7.0	7.0	---	---	---
30	---	---	---	---	---	---	9.0	7.0	8.0	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

01362342 HOLLOW TREE BROOK AT LANESVILLE, NY

LOCATION.--Lat 42°08'32", long 74°15'55", Greene County, Hydrologic Unit 02020006, on left bank downstream from bridge on Diamond Notch Road, about 1.0 mi upstream from mouth, and about 1.0 mi north of Lanesville.
DRAINAGE AREA.--1.95 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,480 ft above 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 ft^3/s, Sept. 16, 1999, gage height, 3.69 ft, from rating curve extended above 60 ft^3/s on basis of step-backwater analysis; minimum discharge, 0.29 ft^3/s, Aug. 24, 25, 26, 1999; minimum gage height, 1.24 ft, Sept. 4, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 3	0130	54	2.32	June 7	0115	*86	*2.61
Feb. 28	0730	46	2.23				

Minimum discharge, 1.6 ft^3/s, Sept. 8, 11, 12, gage height, 1.32 ft.

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

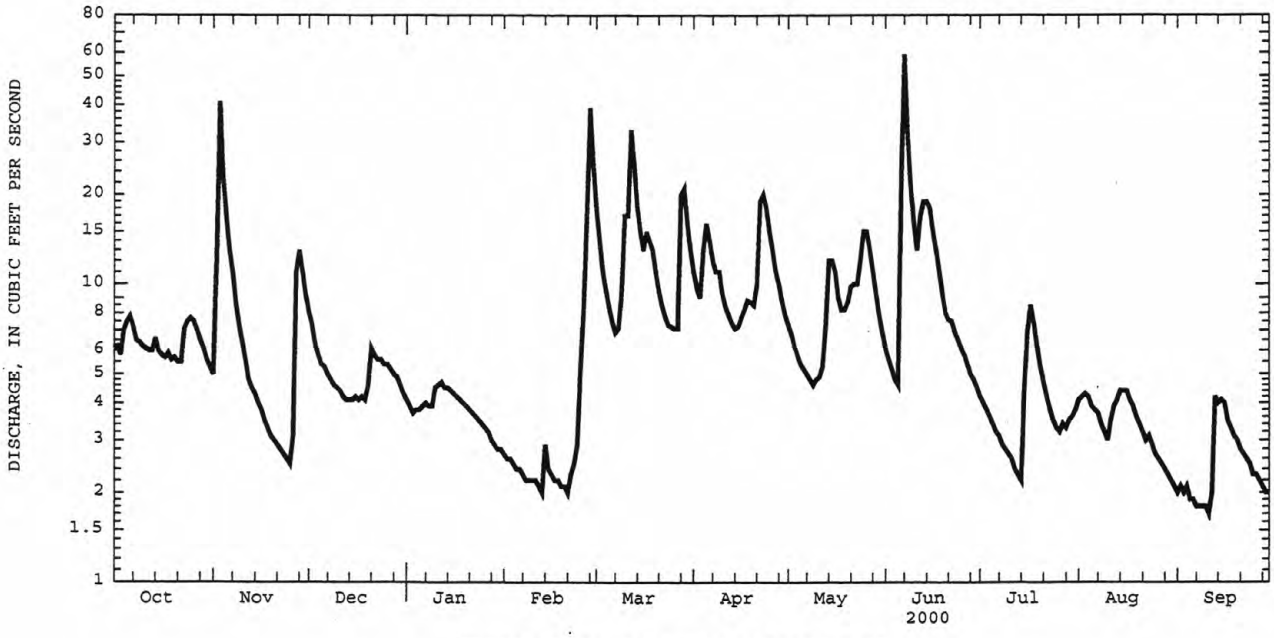
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	5.0	8.1	4.1	2.7	18	11	7.3	6.1	4.2	4.1	2.0
2	6.2	12	7.3	3.9	2.6	14	9.7	6.8	5.6	4.0	4.2	2.1
3	5.8	41	6.3	3.7	2.6	11	9.0	6.2	5.2	3.8	4.3	2.0
4	7.0	23	5.8	3.8	2.5	9.6	13	5.8	4.8	3.6	4.2	2.1
5	7.5	17	5.4	3.8	2.4	8.4	16	5.4	4.6	3.4	3.9	1.9
6	7.8	13	5.3	3.9	2.4	7.5	14	5.2	24	3.2	3.8	1.9
7	7.2	11	5.0	4.0	2.3	6.9	12	5.0	59	3.1	3.7	1.8
8	6.5	8.7	4.8	3.9	2.2	7.1	11	4.8	31	2.9	3.4	1.8
9	6.4	7.3	4.6	3.9	2.2	9.3	11	4.6	21	2.8	3.2	1.8
10	6.2	6.4	4.5	4.5	2.2	17	9.3	4.8	16	2.7	3.0	1.8
11	6.1	5.6	4.4	4.6	2.2	17	8.4	4.9	13	2.6	3.5	1.7
12	6.0	4.8	4.2	4.7	2.1	33	7.9	5.3	17	2.4	3.9	2.0
13	6.0	4.5	4.1	e4.5	2.0	25	7.4	7.3	19	2.3	4.1	4.2
14	6.6	4.3	4.1	e4.5	2.9	18	7.1	12	19	2.2	4.4	4.0
15	6.0	4.0	4.1	e4.4	2.4	15	7.2	12	18	4.5	4.4	4.1
16	5.8	3.8	4.2	e4.3	2.3	13	7.7	11	15	6.9	4.4	4.0
17	5.7	3.5	4.1	e4.2	e2.2	15	8.2	9.0	13	8.5	4.1	3.5
18	5.9	3.3	4.2	e4.1	e2.2	14	8.8	8.2	11	7.4	3.9	3.3
19	5.6	3.1	4.1	e4.0	e2.1	13	8.7	8.2	9.3	6.2	3.6	3.1
20	5.7	3.0	4.6	e3.9	e2.1	11	8.5	8.7	8.0	5.3	3.4	3.0
21	5.5	2.9	6.1	e3.8	e2.0	9.5	10	9.8	7.6	4.7	3.2	2.8
22	5.5	2.8	e5.8	3.7	2.3	8.5	19	10	7.5	4.2	3.0	2.7
23	7.1	2.7	e5.6	3.6	2.5	7.8	20	10	6.9	3.8	3.1	2.6
24	7.5	2.6	e5.6	3.5	2.9	7.3	18	12	6.5	3.5	2.9	2.5
25	7.7	2.5	e5.4	3.4	5.2	7.2	15	15	6.1	3.3	2.7	2.3
26	7.5	3.1	e5.4	3.3	8.2	7.1	13	15	5.8	3.2	2.6	2.3
27	7.0	11	e5.2	3.2	17	7.1	11	13	5.4	3.4	2.5	2.2
28	6.5	13	e5.0	3.0	39	20	10	11	5.0	3.3	2.4	2.1
29	6.1	11	4.9	2.9	25	21	8.8	9.3	4.8	3.5	2.3	2.0
30	5.6	9.2	4.6	2.8	---	16	7.9	7.9	4.5	3.6	2.2	2.0
31	5.3	---	4.3	e2.8	---	13	---	6.9	---	3.8	2.1	---
TOTAL	197.4	245.1	157.1	118.7	150.7	407.3	328.6	262.4	379.7	122.3	106.5	75.6
MEAN	6.37	8.17	5.07	3.83	5.20	13.1	11.0	8.46	12.7	3.95	3.44	2.52
MAX	7.8	41	8.1	4.7	39	33	20	15	59	8.5	4.4	4.2
MIN	5.3	2.5	4.1	2.8	2.0	6.9	7.1	4.6	4.5	2.2	2.1	1.7
CFSM	3.27	4.19	2.60	1.96	2.66	6.74	5.62	4.34	6.49	2.02	1.76	1.29
IN.	3.77	4.68	3.00	2.26	2.87	7.77	6.27	5.01	7.24	2.33	2.03	1.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	2.90	5.68	3.07	8.75	4.70	12.3	9.63	9.46	9.08	3.31	1.73	4.01
MAX	6.37	8.17	5.07	12.5	5.39	13.7	11.0	13.8	12.7	3.96	3.44	8.84
(WY)	2000	2000	2000	1998	1999	1998	2000	1998	2000	1998	2000	1999
MIN	1.06	1.67	1.69	3.83	3.49	10.0	8.37	6.14	2.14	2.03	.64	.68
(WY)	1998	1999	1999	2000	1998	1999	1999	1999	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	2222.64		2551.4			
ANNUAL MEAN	6.09		6.97		6.22	
HIGHEST ANNUAL MEAN					6.97	2000
LOWEST ANNUAL MEAN					4.83	1999
HIGHEST DAILY MEAN	80	Sep 17	59	Jun 7	80	Sep 17 1999
LOWEST DAILY MEAN	.34	Aug 25	1.7	Sep 11	.34	Aug 25 1999
ANNUAL SEVEN-DAY MINIMUM	.43	Aug 20	1.8	Sep 5	.43	Aug 20 1999
ANNUAL RUNOFF (CFSM)	3.12		3.57		3.19	
ANNUAL RUNOFF (INCHES)	42.40		48.67		43.33	
10 PERCENT EXCEEDS	11		14		13	
50 PERCENT EXCEEDS	4.5		5.0		3.9	
90 PERCENT EXCEEDS	.93		2.3		.94	

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01362380 STONY CLOVE CREEK NEAR PHOENICIA, NY

LOCATION.--Lat 42°05'53", long 74°19'03", Ulster County, Hydrologic Unit 02020006, on left bank 0.5 mi south of Chichester on State Highway 214, and 1.3 mi upstream from mouth.
DRAINAGE AREA.--31.5 mi^2.
PERIOD OF RECORD.--December 1996 to January 1997 (annual maximum only), February 1997 to current year.
REVISED RECORDS.--WDR NY-99-1: 1997(P), 1998(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 900 ft above 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, 9,000 ft^3/s, Sept. 16, 1999, gage height, 8.84 ft, outside gage height, 9.99 ft, from crest-stage gage, from rating curve extended above 1,300 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 4.4 ft^3/s, Oct. 6, 7, 1998; minimum gage height, 2.07 ft, Aug. 10, 11, 12, 13, 1997.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 7,600 ft^3/s, Apr. 4, 1987, by computation of slope-area measurement at site 0.5 mi upstream (drainage area, 26.9 mi^2). Discharges for other floods by computation of slope-area measurements at site 1.3 mi downstream (drainage area, 33.3 mi^2), are as follows: 6,560 ft^3/s, Nov. 25, 1950, and 4,460 ft^3/s, Apr. 5, 1952.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2315	1,420	4.81	Mar. 12	0630	713	4.17
Feb. 28	0545	880	4.34	June 7	0100	a*3,120	*6.00

a From rating curve extended as explained above.

Minimum discharge, 12 ft^3/s, Sept. 11, gage height, 2.31 ft.

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	70	43	98	45	e27	319	158	131	95	46	75	17
2	60	203	82	43	e26	249	137	112	80	42	74	19
3	57	596	71	42	e25	192	128	91	65	41	67	18
4	89	310	63	45	e24	146	239	78	52	41	59	19
5	83	237	56	46	e23	125	230	72	50	36	52	16
6	78	184	57	42	e22	100	195	64	915	32	47	15
7	71	156	52	40	e21	90	158	56	1220	30	47	15
8	66	142	48	38	e20	99	145	49	272	27	41	14
9	68	85	46	37	e20	146	168	45	303	26	37	15
10	68	76	45	57	e19	266	136	62	260	25	34	14
11	67	68	44	72	e19	273	123	80	240	23	41	13
12	65	61	41	e54	18	590	111	68	341	21	70	20
13	63	51	38	57	e35	390	96	113	340	19	55	71
14	66	45	39	52	66	303	87	233	339	19	51	41
15	61	42	52	e50	59	234	83	204	296	157	51	37
16	57	40	56	e48	46	199	81	172	261	261	61	33
17	54	37	52	e46	40	259	81	143	166	169	49	29
18	50	34	51	e44	e39	210	96	142	135	120	45	26
19	46	32	49	e43	e38	181	86	206	111	91	41	26
20	50	31	67	e42	37	147	80	250	97	74	37	27
21	47	29	148	e40	36	132	147	254	111	62	34	23
22	46	27	125	e38	36	110	347	245	132	53	31	20
23	69	26	e105	e37	41	92	331	266	106	46	33	19
24	67	25	e94	e36	52	80	273	360	88	41	34	19
25	65	26	e84	e35	127	75	215	390	126	37	29	17
26	63	42	77	e34	212	73	178	355	111	36	26	18
27	60	301	67	e32	307	68	144	314	83	55	24	17
28	56	239	61	e31	667	339	133	262	70	46	23	15
29	52	164	55	e30	410	325	110	202	58	57	21	14
30	48	113	52	e29	---	251	115	158	52	66	20	14
31	45	---	49	e28	---	197	---	125	---	65	19	---
TOTAL	1907	3465	2024	1313	2512	6260	4611	5302	6575	1864	1328	661
MEAN	61.5	116	65.3	42.4	86.6	202	154	171	219	60.1	42.8	22.0
MAX	89	596	148	72	667	590	347	390	1220	261	75	71
MIN	45	25	38	28	18	68	80	45	50	19	19	13
CFSM	1.95	3.67	2.07	1.34	2.75	6.41	4.88	5.43	6.96	1.91	1.36	.70
IN.	2.25	4.09	2.39	1.55	2.97	7.39	5.45	6.26	7.76	2.20	1.57	.78

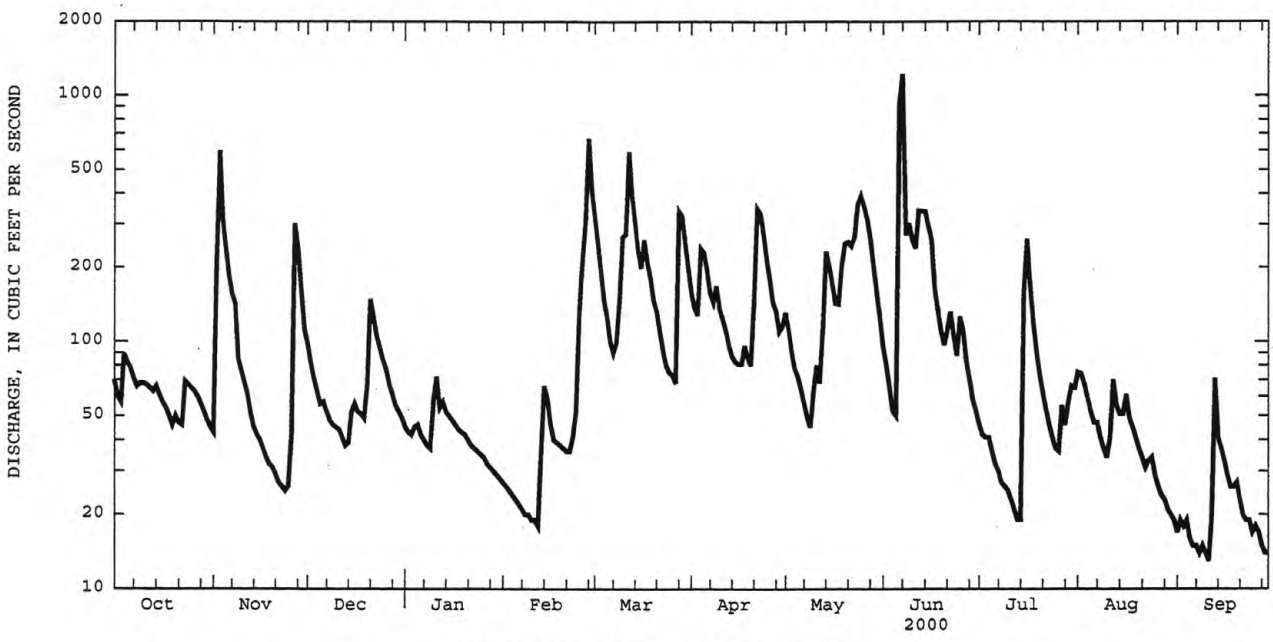
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

MEAN	30.2	87.9	47.2	151	84.2	168	136	136	112	31.5	16.8	57.8
MAX	61.5	126	65.3	228	110	202	157	187	219	60.1	42.8	176
(WY)	2000	1998	2000	1999	1999	2000	1997	1998	2000	2000	2000	1999
MIN	13.8	22.2	22.5	42.4	69.7	88.7	99.9	85.5	23.6	7.94	7.51	6.26
(WY)	1998	1999	1999	2000	1997	1997	1999	1999	1997	1997	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	35771.5		37822			
ANNUAL MEAN	98.0		103		95.3	
HIGHEST ANNUAL MEAN					103	2000
LOWEST ANNUAL MEAN					82.8	1999
HIGHEST DAILY MEAN	1730	Sep 16	1220	Jun 7	1730	Sep 16 1999
LOWEST DAILY MEAN	5.3	Aug 13	13	Sep 11	4.5	Oct 6 1998
ANNUAL SEVEN-DAY MINIMUM	5.9	Aug 7	15	Sep 5	4.7	Oct 1 1998
ANNUAL RUNOFF (CFSM)	3.11		3.28		3.03	
ANNUAL RUNOFF (INCHES)	42.24		44.67		41.11	
10 PERCENT EXCEEDS	185		252		190	
50 PERCENT EXCEEDS	62		60		51	
90 PERCENT EXCEEDS	8.4		23		8.4	

e Estimated

01362380 STONY CLOVE CREEK NEAR PHOENICIA, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01362497 LITTLE BEAVER KILL AT BEECHFORD NEAR MOUNT TREMPER, NY

LOCATION.--Lat 42°01'10", long 74°16'00", Ulster County, Hydrologic Unit 02020006, on right bank 950 ft upstream from State Highway 28 at Beechford, 0.3 mi above mouth, and 1.8 mi southeast of Mount Tremper.
DRAINAGE AREA.--16.5 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
REVISED RECORDS.--WDR NY-99-1: 1998.
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, 2,500 ft^3/s, Sept. 16, 1999, gage height, 6.70 ft, from rating curve extended above 100 ft^3/s, on basis of step-backwater analysis; minimum discharge, 0.26 ft^3/s, Aug. 12, 13, 1999, gage height, 1.41 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2130	a515	4.53	July 15	1515	a1,140	5.49
June 6	1900	a*1,660	*6.03	Aug. 12	0945	a664	4.81

a From rating curve extended as explained above.

Minimum discharge, 4.0 ft^3/s, July 14, gage height, 1.82 ft.

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	22	15	33	17	e12	111	43	26	21	14	65	7.2
2	16	95	29	17	e11	91	38	25	25	12	54	16
3	14	216	27	e18	e11	69	37	22	27	12	42	26
4	34	92	26	e19	e10	55	102	19	21	12	34	17
5	33	65	24	e18	e10	49	70	18	19	10	27	14
6	27	49	25	e16	e9.6	44	57	16	684	8.4	23	12
7	23	40	23	16	e9.0	41	48	14	868	7.6	24	10
8	20	34	21	15	e8.8	43	42	13	214	6.6	19	9.2
9	21	31	19	14	e9.0	48	47	13	109	6.2	16	9.2
10	23	28	18	39	e9.0	58	42	27	70	5.6	13	9.1
11	25	25	17	54	11	116	38	37	52	5.1	100	8.4
12	20	22	16	37	11	308	35	32	98	4.5	314	9.3
13	18	21	15	e33	10	143	30	50	81	4.3	130	29
14	17	20	18	e30	145	91	28	84	82	63	75	16
15	16	e19	35	e27	143	70	25	55	68	495	59	16
16	14	17	39	e35	53	58	24	42	57	446	59	13
17	13	16	32	e29	39	111	24	34	46	214	41	12
18	13	15	29	e26	e30	72	35	32	45	79	33	11
19	12	13	27	e23	e28	60	29	59	49	50	28	11
20	19	13	43	e22	e25	51	26	68	38	37	22	23
21	17	12	99	e21	23	45	99	59	34	29	19	15
22	16	12	60	e19	22	39	241	52	43	25	16	13
23	37	11	e56	e18	25	35	151	58	32	21	17	12
24	29	11	48	e17	38	32	93	126	26	17	18	13
25	24	11	e35	e16	e90	29	67	94	23	14	14	11
26	23	28	e30	e15	e120	28	63	66	24	13	12	11
27	21	e100	e27	e15	168	25	50	50	23	42	11	12
28	20	e54	e24	e14	305	136	44	39	20	29	9.6	10
29	18	e45	21	e13	172	80	36	33	18	45	8.8	9.4
30	17	38	19	e13	---	62	30	28	16	50	8.2	8.8
31	16	---	19	e12	---	51	---	24	---	53	7.6	---
TOTAL	638	1168	954	678	1557.4	2251	1694	1315	2933	1830.3	1319.2	393.6
MEAN	20.6	38.9	30.8	21.9	53.7	72.6	56.5	42.4	97.8	59.0	42.6	13.1
MAX	37	216	99	54	305	308	241	126	868	495	314	29
MIN	12	11	15	12	8.8	25	24	13	16	4.3	7.6	7.2
CFSM	1.25	2.36	1.87	1.33	3.25	4.40	3.42	2.57	5.93	3.58	2.58	.80
IN.	1.44	2.63	2.15	1.53	3.51	5.07	3.82	2.96	6.61	4.13	2.97	.89

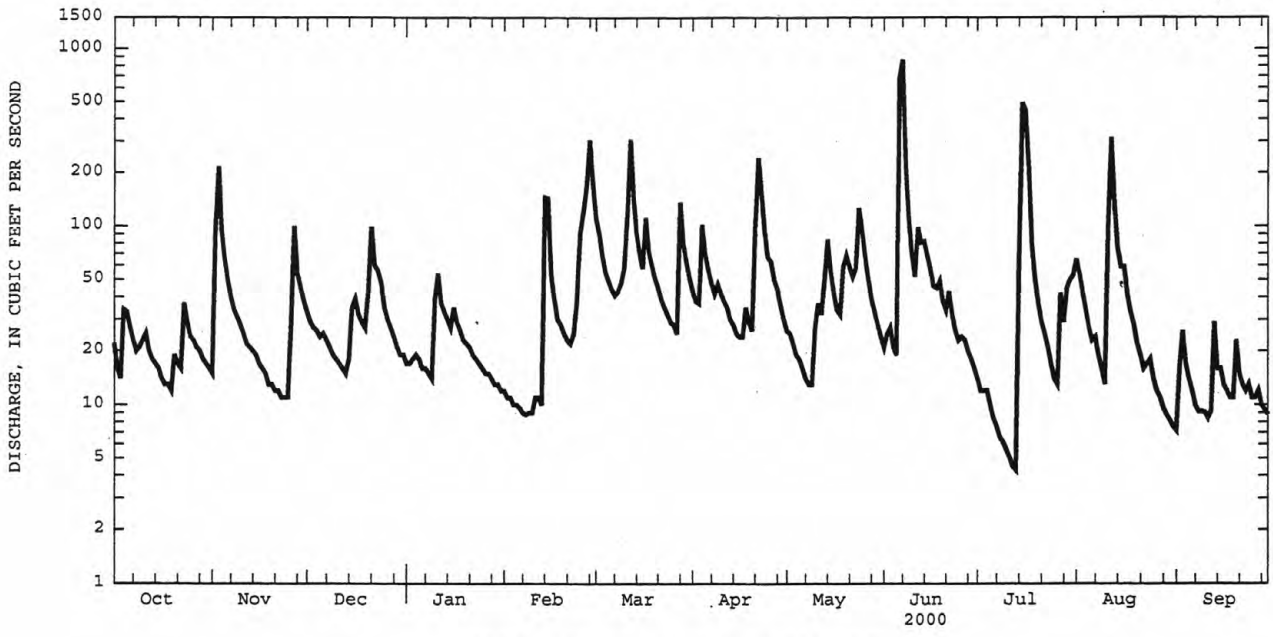
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	11.3	48.1	22.0	80.6	52.2	86.5	42.8	45.6	77.7	31.5	15.4	23.6
MAX	20.6	98.8	30.8	130	56.0	115	56.5	68.6	131	59.0	42.6	56.0
(WY)	2000	1998	2000	1999	1999	1999	2000	1998	1998	2000	2000	1999
MIN	5.66	6.67	8.15	21.9	46.8	72.1	17.9	25.7	4.77	2.30	1.03	1.53
(WY)	1999	1999	1999	2000	1998	1998	1999	1999	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	15183.81		16731.5			
ANNUAL MEAN	41.6		45.7		44.7	
HIGHEST ANNUAL MEAN					52.6	1998
LOWEST ANNUAL MEAN					35.8	1999
HIGHEST DAILY MEAN	1110	Mar 22	868	Jun 7	1140	Jun 14 1998
LOWEST DAILY MEAN	.28	Aug 13	4.3	Jul 13	.28	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	.37	Aug 7	5.7	Jul 7	.37	Aug 7 1999
ANNUAL RUNOFF (CFSM)	2.52		2.77		2.71	
ANNUAL RUNOFF (INCHES)	34.23		37.72		36.79	
10 PERCENT EXCEEDS	81		91		88	
50 PERCENT EXCEEDS	19		26		21	
90 PERCENT EXCEEDS	1.1		11		2.1	

e Estimated

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01362500 ESOPUS CREEK AT COLDBROOK, NY

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1914 to September 1925 (monthly discharge only, furnished by State engineer and surveyor of New York, published in WSP 1302), October 1925 to September 1931 (monthly discharge only, furnished by Board of Water Supply, City of New York, published in WSP 1302), October 1931 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 621.54 ft above 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 ft^3/s, Mar. 21, 1980, gage height 21.94 ft, from rating curve extended above 13,000 ft^3/s, on basis of slope-area measurements at gage heights 12.39 ft, 15.15 ft, and 20.70 ft; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,580 ft^3/s, June 7, gage height, 11.01 ft; minimum, 282 ft^3/s, July 14, gage height, 4.39 ft.

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	425	344	e569	959	556	1510	749	854	443	407	637	684
2	767	958	569	947	522	1230	674	838	680	383	597	832
3	747	2850	817	949	e520	976	651	880	1020	382	548	837
4	816	1450	838	971	509	814	1170	976	911	420	512	817
5	484	1080	803	982	493	718	1060	956	638	381	464	795
6	441	902	811	860	485	636	931	930	3320	358	439	783
7	442	763	785	539	479	585	819	907	5450	343	439	774
8	416	650	751	415	475	599	743	891	2070	329	404	767
9	446	564	768	408	478	703	826	875	1310	319	381	766
10	453	502	849	532	527	1140	713	926	944	314	361	761
11	465	446	841	672	704	1320	660	1000	747	307	473	753
12	421	396	815	556	696	2880	625	964	1070	296	982	692
13	399	393	806	543	690	1880	582	1070	970	288	751	786
14	422	363	816	e450	850	1360	557	1280	984	422	646	619
15	373	335	928	e450	930	1080	537	1200	882	2200	659	598
16	354	362	950	e500	843	916	530	1180	774	2170	751	571
17	339	401	909	e410	811	1280	532	1130	665	1260	637	554
18	332	368	885	e420	794	1020	620	1140	610	793	585	540
19	340	358	867	e460	807	907	571	1300	589	593	549	534
20	386	358	946	482	786	809	550	1390	505	520	507	554
21	368	348	1360	460	776	724	832	1370	514	487	472	526
22	352	342	1170	e420	774	650	1690	1350	644	490	443	511
23	559	343	1180	e450	799	589	1520	1420	529	440	438	503
24	516	338	1210	e480	877	541	1240	1690	481	407	455	501
25	480	346	1150	504	1300	506	1120	1380	458	387	411	470
26	424	468	1130	535	1680	495	1040	1080	548	371	390	379
27	406	1370	1090	581	2190	460	984	845	482	500	374	375
28	384	1050	1040	e740	3920	1420	1070	727	455	442	363	364
29	369	878	1020	e740	2170	1220	978	634	449	548	360	445
30	374	660	1000	e740	---	1010	909	552	434	606	429	686
31	354	---	982	722	---	863	---	488	---	587	658	---
TOTAL	13854	19986	28655	18877	27441	30841	25483	32223	29576	17750	16115	18777
MEAN	447	666	924	609	946	995	849	1039	986	573	520	626
MAX	816	2850	1360	982	3920	2880	1690	1690	5450	2200	982	837
MIN	332	335	569	408	475	460	530	488	434	288	360	364

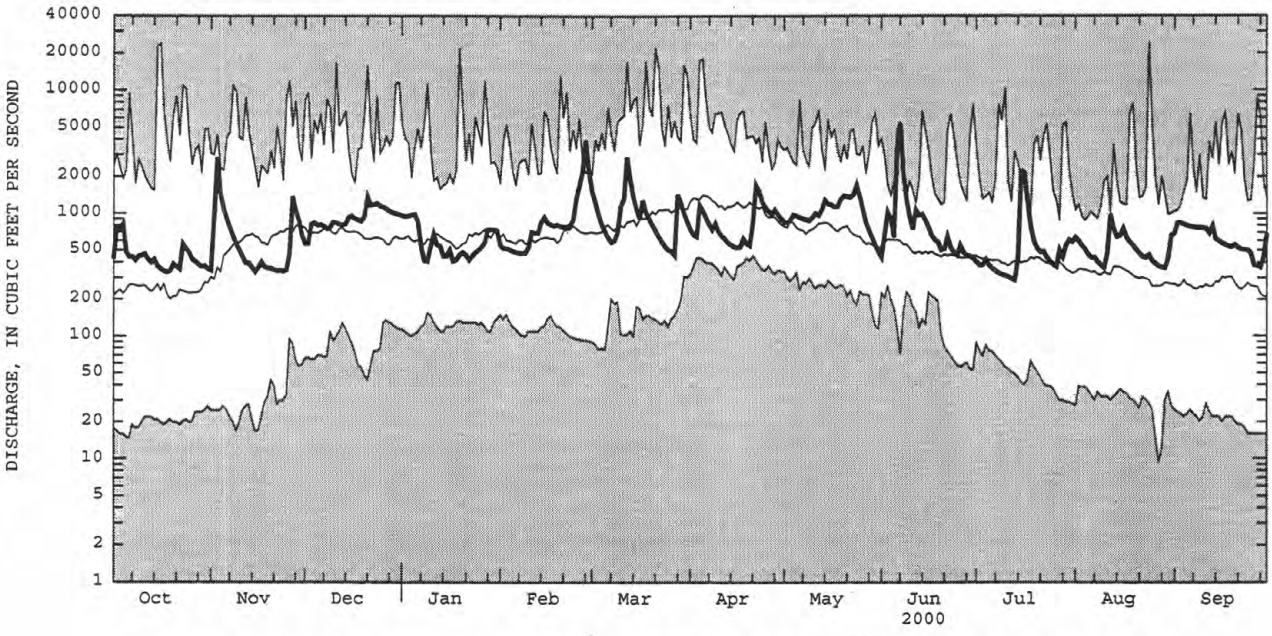
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2000, BY WATER YEAR (WY)

MEAN	464	777	877	824	786	1165	1363	888	602	491	386	394
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1932 - 2000	
ANNUAL TOTAL	267471		279578			
ANNUAL MEAN	733		764		751	
HIGHEST ANNUAL MEAN					1035	1952
LOWEST ANNUAL MEAN					419	1985
HIGHEST DAILY MEAN	6770	Sep 17	5450	Jun 7	24400	Aug 24 1933
LOWEST DAILY MEAN	181	Aug 3	288	Jul 13	9.3	Aug 27 1949
ANNUAL SEVEN-DAY MINIMUM	187	Jul 28	314	Jul 7	16	Sep 24 1943
10 PERCENT EXCEEDS	1150		1210		1450	
50 PERCENT EXCEEDS	680		648		540	
90 PERCENT EXCEEDS	211		375		170	

e Estimated

01362500 ESOPUS CREEK AT COLDBROOK, NY--Continued



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

01362500 ESOPUS CREEK AT COLDBROOK, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1996 to current year.
INSTRUMENTATION.--Water-temperature satellite and telephone telemeter provides 15-minute-interval readings.
REMARKS.--Interruptions of record were 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; minimum (water years 1997-2000), 0.0°C on many days during winter period.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum recorded, 21.0°C, Aug. 8, 9, 10, 31, Sept. 2, 10, 20, and may have also occurred or may have been higher during period of missing record; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.5	11.0	12.5	10.5	8.5	9.5	---	---	---	3.5	1.5	2.5
2	14.5	11.5	13.0	11.5	8.5	9.5	---	---	---	4.5	2.0	3.0
3	14.5	13.0	13.0	11.5	8.0	10.0	6.0	4.0	5.0	5.0	4.0	4.5
4	13.0	11.5	12.5	8.0	6.5	7.5	7.0	5.5	6.5	5.5	4.5	5.0
5	11.5	10.0	11.0	8.0	6.0	7.0	8.0	6.0	7.0	4.5	1.5	3.0
6	10.5	8.0	9.5	9.0	7.0	8.0	8.0	6.5	7.0	3.0	1.0	2.0
7	10.0	7.5	8.5	7.0	5.5	6.5	7.5	5.0	6.5	3.5	1.5	2.0
8	10.0	6.5	8.5	6.0	4.0	5.0	6.5	4.5	5.5	2.0	.5	1.0
9	12.0	9.5	10.5	8.0	5.5	6.5	6.0	4.0	5.0	3.0	.5	2.0
10	11.5	11.0	11.5	10.0	7.5	9.0	6.0	4.5	5.5	3.5	2.5	3.0
11	13.5	11.0	12.0	10.0	5.5	8.0	5.5	4.0	4.5	4.0	2.5	3.0
12	12.0	9.0	10.5	5.5	4.0	5.0	5.5	3.5	4.5	3.5	1.5	2.5
13	12.0	9.0	11.0	7.0	5.5	6.5	5.5	4.0	5.0	2.0	.0	1.0
14	12.0	9.0	11.0	---	---	---	5.5	---	---	.5	.0	.0
15	10.0	7.0	8.5	6.0	4.0	5.0	5.5	---	---	.5	.0	.0
16	11.5	8.0	9.5	4.0	2.5	3.5	6.0	4.5	5.0	.5	.0	.0
17	13.0	10.0	11.0	4.0	2.0	3.0	5.0	3.5	4.5	.5	.0	.0
18	12.0	9.5	11.0	5.0	3.0	4.0	4.5	3.0	4.0	.5	.0	.0
19	9.5	7.5	8.5	6.5	4.0	5.0	4.0	2.5	3.0	.0	.0	.0
20	10.0	8.5	9.0	8.0	5.0	6.0	4.0	2.5	3.5	.0	.0	.0
21	10.0	8.0	9.0	8.0	6.0	7.0	4.5	3.5	4.0	.5	.0	.0
22	9.0	7.0	8.5	9.0	6.5	8.0	4.0	2.5	3.5	.5	.0	.0
23	9.0	8.5	9.0	9.5	8.0	8.5	3.5	2.0	2.5	.5	.0	.0
24	9.5	8.0	8.5	10.0	8.5	9.5	2.5	1.0	2.0	.5	.0	.0
25	9.5	7.0	8.0	9.0	8.0	8.5	2.5	1.0	1.5	.5	.0	.0
26	9.0	6.0	8.0	10.0	8.0	8.0	2.5	1.5	2.0	.0	.0	.0
27	8.5	6.5	7.5	10.0	7.5	9.0	2.5	1.5	2.0	.0	.0	.0
28	8.0	5.5	7.0	7.5	6.0	6.5	2.5	.5	1.5	.5	.0	.0
29	9.0	6.0	7.5	6.0	4.5	5.5	2.5	1.5	2.0	.5	.0	.0
30	9.5	7.0	8.5	4.5	3.0	4.0	4.0	2.0	2.5	.5	.0	.0
31	11.0	8.0	9.5	---	---	---	3.5	2.0	2.5	.5	.0	.0
MONTH	14.5	5.5	10.0	---	---	---	---	---	---	5.5	.0	1.0

01362500 ESOPUS CREEK AT COLDBROOK, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.0	.0	.5	4.0	2.0	3.0	9.5	4.0	6.5	11.5	7.0	9.0
2	.5	.0	.0	4.0	2.5	3.5	8.0	5.5	7.0	11.5	9.0	10.0
3	1.0	.0	.5	4.0	1.5	2.5	9.0	7.5	8.0	13.0	7.5	10.0
4	1.5	.0	.5	4.5	.5	2.5	10.0	8.0	9.0	13.0	8.0	10.5
5	2.0	.0	1.0	4.5	2.5	3.5	8.5	5.5	6.5	14.0	9.5	11.5
6	2.0	.0	.5	5.5	2.0	4.0	8.5	4.0	6.0	15.0	10.5	12.5
7	2.5	.0	1.0	6.0	2.0	4.0	10.0	6.0	8.0	15.0	10.5	12.5
8	2.0	.0	.5	8.0	3.5	5.5	12.5	7.5	9.5	14.0	11.0	12.5
9	2.5	.0	1.0	8.0	4.5	6.5	11.0	3.5	6.0	15.5	11.0	13.0
10	3.5	.0	1.5	7.0	5.0	6.0	7.0	3.0	5.0	13.0	11.0	12.0
11	2.0	.5	1.0	5.0	3.5	4.0	5.5	3.5	5.0	14.5	10.5	12.0
12	2.5	.0	1.0	4.5	2.5	3.5	8.5	4.5	6.0	12.0	10.0	11.0
13	2.0	.0	.5	4.5	2.0	3.0	9.0	3.5	6.0	14.5	11.0	12.5
14	2.0	.0	1.0	5.5	2.0	3.5	10.0	4.5	7.5	14.5	11.5	13.0
15	2.0	.0	1.0	7.0	3.5	5.0	12.0	6.5	9.5	12.5	10.0	11.0
16	1.5	.0	1.0	8.5	5.0	6.5	12.0	9.0	10.5	13.5	9.5	11.5
17	2.0	.0	.5	6.5	2.0	4.5	10.5	7.0	8.5	14.0	10.5	12.0
18	.5	.0	.0	4.5	.5	2.5	7.0	6.0	6.5	14.0	11.0	12.5
19	1.5	.0	1.0	5.5	1.5	3.5	9.0	6.0	7.5	12.5	10.5	11.5
20	2.0	.5	1.0	6.5	2.5	4.5	10.5	8.0	9.0	10.5	10.0	10.5
21	3.0	.5	1.5	5.5	4.0	5.0	10.0	7.5	8.5	11.0	10.0	10.5
22	3.5	.0	1.5	8.5	4.5	6.5	8.0	6.5	7.5	11.5	10.5	11.0
23	3.0	.5	1.5	9.5	4.0	7.0	7.5	6.5	7.0	13.5	10.5	11.5
24	3.0	1.0	2.0	10.5	5.5	8.0	11.5	6.0	8.5	14.5	11.0	12.5
25	1.5	.5	1.0	9.0	5.5	7.5	11.0	7.0	9.0	14.0	11.0	12.5
26	2.0	.5	1.5	10.5	7.0	8.5	9.0	7.0	7.5	15.0	11.0	12.5
27	3.5	1.5	2.5	8.5	5.0	7.0	8.5	6.5	7.5	15.0	10.5	12.5
28	3.5	2.0	2.5	8.0	6.5	7.5	9.5	7.0	8.0	13.5	10.0	12.0
29	4.5	1.5	3.0	7.0	5.0	6.0	11.5	6.0	8.5	12.5	10.5	11.5
30	---	---	---	7.0	5.0	6.0	12.0	7.5	9.5	16.0	10.0	12.5
31	---	---	---	8.0	4.0	6.0	---	---	---	17.0	10.5	13.5
MONTH	4.5	.0	1.0	10.5	.5	5.0	12.5	3.0	7.5	17.0	7.0	11.5

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

01364500 ESOPUS CREEK AT MOUNT MARION, NY

LOCATION.--Lat 42°02'16", long 73°58'21", Ulster County, Hydrologic Unit 02020006, on left bank at downstream side of bridge on Glasco Turnpike, 0.8 mi east of Mount Marion, 1.6 mi downstream from Plattekill Creek, and 4.5 mi upstream from mouth.
DRAINAGE AREA.--419 mi^2.
PERIOD OF RECORD.--April 1907 to December 1913, January 1914 to March 1918 (monthly discharges only, published in WSP 1302), March 1970 to current year. Occasional miscellaneous measurements, 1902, 1951, 1956, 1966, 1967, 1969.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 40.16 ft above 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 mi^2 of drainage area regulated by Ashokan Reservoir since Sept. 9, 1913. Water diverted from Schoharie Creek through Shandaken Tunnel (see station 01362230) since Feb. 3, 1924, enters Esopus Creek about 12.2 mi upstream from Ashokan Reservoir. Diversion from Plattekill Creek for water supply of village of Saugerties. Slight diversion at headwaters into Cooper Lake for water supply of Kingston. Diversions upstream during summer months for irrigation purposes. Diversions for water supply of city of New York made from Ashokan Reservoir (see Reservoirs in Hudson River Basin). Discharge records for this station now represent the natural flow from 112 mi^2, together with spillage during high stages from the upstream reservoirs.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 28,000 ft^3/s, Apr. 26, 1910, gage height, 25.10 ft, datum then in use; maximum discharge since March 1970, 22,500 ft^3/s, Apr. 5, 1987, gage height, 24.78 ft; minimum discharge, 5.3 ft^3/s, Aug. 10, 1999, gage height, 11.51 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,900 ft^3/s, June 7, gage height, 21.06 ft; minimum, 50 ft^3/s, July 14, gage height, 12.46 ft.

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	223	130	309	147	e115	1160	438	259	338	142	510	68
2	179	140	260	e140	e110	918	379	234	278	130	418	112
3	150	1290	229	150	108	716	342	213	243	118	312	361
4	257	841	212	163	e105	572	675	195	217	115	248	288
5	426	570	198	177	e100	482	750	180	224	106	201	191
6	366	434	198	153	e97	414	556	173	1170	93	168	149
7	281	345	213	137	e94	362	460	162	8670	85	166	125
8	221	285	196	128	91	340	395	156	8270	78	160	108
9	199	248	177	121	89	338	395	144	4540	73	131	102
10	198	223	168	157	e88	453	382	324	2590	70	113	108
11	237	199	167	498	e90	488	328	621	1620	64	111	107
12	211	177	156	439	e95	1650	295	458	1660	59	686	95
13	184	165	148	e350	93	1280	266	498	1590	55	621	215
14	171	155	149	e270	183	858	240	860	1590	54	393	202
15	160	147	264	e230	449	662	227	677	1390	377	306	210
16	148	135	356	e210	460	540	218	496	1160	1300	326	207
17	138	122	357	e190	408	969	209	385	947	2080	287	165
18	130	116	312	e170	344	895	257	342	778	2200	209	136
19	116	110	274	e150	312	694	269	477	762	1300	178	125
20	121	102	252	e140	279	575	237	716	627	702	151	280
21	143	98	548	e130	246	486	347	749	469	403	131	277
22	138	95	510	e125	230	423	1500	625	462	240	116	190
23	218	91	414	e120	236	369	1210	579	416	165	108	152
24	288	89	345	122	324	327	874	1110	348	129	125	147
25	259	89	e250	e120	672	294	638	1190	262	110	118	124
26	228	114	e220	e115	1310	285	505	904	245	97	102	119
27	199	617	e200	e110	1330	261	438	1000	228	235	90	126
28	177	685	e190	e110	2260	759	393	899	208	328	83	119
29	162	494	177	e105	1740	968	347	755	183	226	95	103
30	151	382	166	110	---	691	298	602	160	286	81	94
31	140	---	e155	e120	---	539	---	450	---	313	74	---
TOTAL	6219	8688	7770	5407	12058	19768	13868	16433	41645	11733	6818	4805
MEAN	201	290	251	174	416	638	462	530	1388	378	220	160
MAX	426	1290	548	498	2260	1650	1500	1190	8670	2200	686	361
MIN	116	89	148	105	88	261	209	144	160	54	74	68

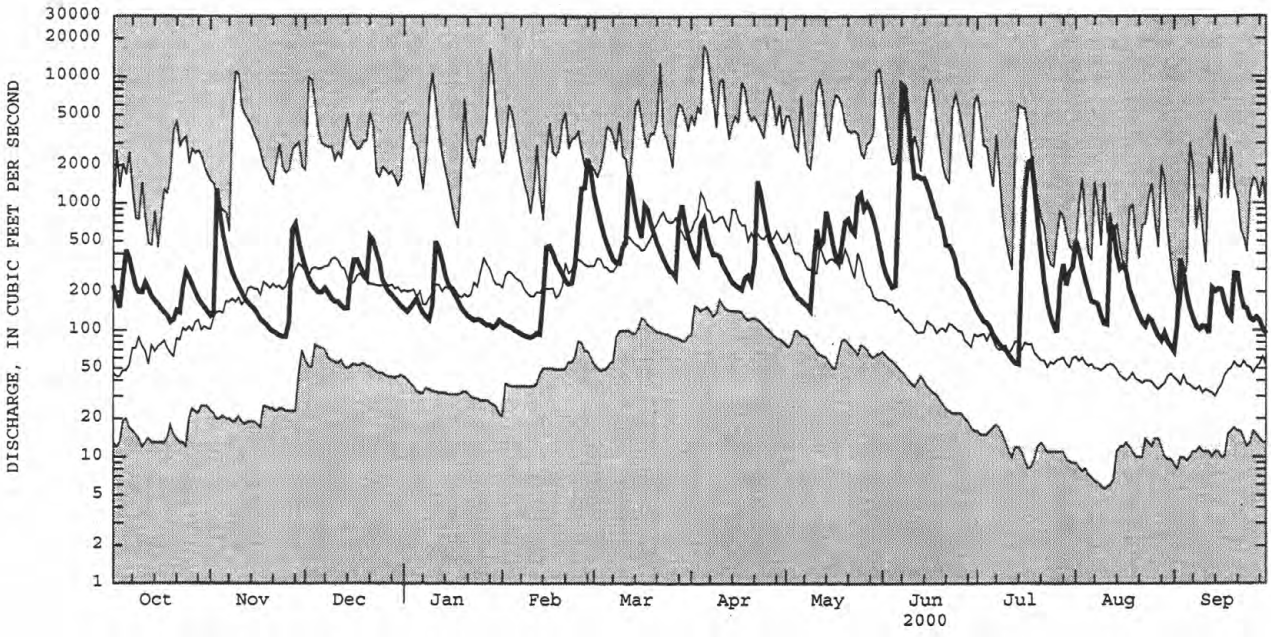
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2000, BY WATER YEAR (WY)

MEAN	230	431	510	488	498	788	1202	732	408	190	93.4	130
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1914 - 2000	
ANNUAL TOTAL	98930.8		155212			
ANNUAL MEAN	271		424		469	
HIGHEST ANNUAL MEAN					908	1978
LOWEST ANNUAL MEAN					98.5	1985
HIGHEST DAILY MEAN	4980	Mar 22	8670	Jun 7	17800	Apr 5 1987
LOWEST DAILY MEAN	5.6	Aug 10	54	Jul 14	5.6	Aug 10 1999
ANNUAL SEVEN-DAY MINIMUM	6.1	Aug 7	65	Jul 8	6.1	Aug 7 1999
10 PERCENT EXCEEDS	540		864		1210	
50 PERCENT EXCEEDS	160		230		173	
90 PERCENT EXCEEDS	14		104		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.

01364959 RONDOUT CREEK ABOVE RED BROOK AT PEEKAMOOSE, NY

LOCATION.--Lat 41°56'13", long 74°22'30", Ulster County, Hydrologic Unit 02020007, 500 ft upstream from mouth of Red Brook, 0.8 mi upstream from outlet of Peekamoose Lake, and 0.8 mi north of Peekamoose.
DRAINAGE AREA.--5.36 mi^2.
PERIOD OF RECORD.--May 1996 to current year. Occasional discharge measurements, water years 1984-86, 1988-94.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,740 ft above sea level, from topographic map.
REMARKS.--Records fair except those above 400 ft^3/s and those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 803 ft^3/s, Oct. 20, 1996, gage height, 4.13 ft, from rating curve extended above 200 ft^3/s; minimum discharge, 1.6 ft^3/s, Aug. 10, 11, 12, 13, 1997; minimum gage height, 0.38 ft, Aug. 11, 1997.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2200	224	2.69	July 14	1845	a516	3.56
Mar. 12	0700	182	2.51	July 15	1245	a*617	*3.78
June 6	1700	352	3.13	Sept. 2	2245	266	2.85

a From rating curve extended above 200 ft^3/s.

Minimum discharge, 3.9 ft^3/s, Feb. 13, gage height, 0.64 ft, result of freezeup.

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	12	11	14	11	6.2	29	20	18	17	12	25	11
2	10	52	14	10	6.0	26	19	17	16	11	21	75
3	9.7	60	13	10	5.8	22	19	16	15	12	19	71
4	18	29	13	12	5.7	20	47	15	14	11	18	34
5	14	24	12	11	5.5	18	31	15	14	10	16	27
6	12	22	15	9.5	5.3	17	25	14	154	9.4	16	23
7	11	20	13	9.3	5.2	18	22	13	131	8.8	20	21
8	11	19	12	8.7	5.0	23	21	12	44	8.3	15	19
9	13	17	11	8.6	5.0	35	23	12	32	7.9	14	24
10	21	16	12	14	5.0	41	20	17	26	7.5	13	20
11	19	15	12	14	e5.0	39	19	17	24	7.0	20	17
12	15	14	11	10	4.8	112	19	15	33	6.7	29	21
13	15	14	10	10	4.7	47	18	16	30	6.3	20	39
14	19	13	11	e10	14	35	17	19	32	73	21	22
15	16	12	15	e9.8	7.7	31	16	15	27	237	21	22
16	15	12	16	e9.6	6.0	29	15	15	24	208	23	19
17	14	11	13	e9.4	5.5	51	17	14	21	60	18	18
18	13	10	12	e9.4	e5.4	31	21	17	23	35	17	17
19	12	9.8	11	e9.2	e5.4	27	19	28	22	27	16	17
20	18	9.6	15	e8.8	5.5	25	18	28	19	23	15	17
21	14	9.1	24	8.5	5.4	23	46	25	19	20	14	15
22	13	8.6	16	8.1	5.8	21	70	23	23	18	13	14
23	22	8.2	e15	7.8	6.2	19	44	24	17	16	20	13
24	16	8.0	e14	7.6	8.8	18	35	62	16	15	17	13
25	14	8.9	14	e7.4	18	17	29	41	15	13	13	12
26	14	16	14	e7.2	16	18	26	32	21	13	12	12
27	13	39	13	7.0	36	16	25	27	16	25	11	11
28	13	18	e12	e6.8	75	54	24	24	15	18	12	10
29	12	16	12	6.6	36	29	21	22	14	19	13	9.9
30	12	15	12	6.4	---	24	19	20	13	21	11	9.4
31	11	---	11	6.5	---	21	---	19	---	22	10	---
TOTAL	441.7	537.2	412	284.2	325.9	936	765	652	887	980.9	523	653.3
MEAN	14.2	17.9	13.3	9.17	11.2	30.2	25.5	21.0	29.6	31.6	16.9	21.8
MAX	22	60	24	14	75	112	70	62	154	237	29	75
MIN	9.7	8.0	10	6.4	4.7	16	15	12	13	6.3	10	9.4
CFSM	2.66	3.34	2.48	1.71	2.10	5.63	4.76	3.92	5.52	5.90	3.15	4.06
IN.	3.07	3.73	2.86	1.97	2.26	6.50	5.31	4.53	6.16	6.81	3.63	4.53

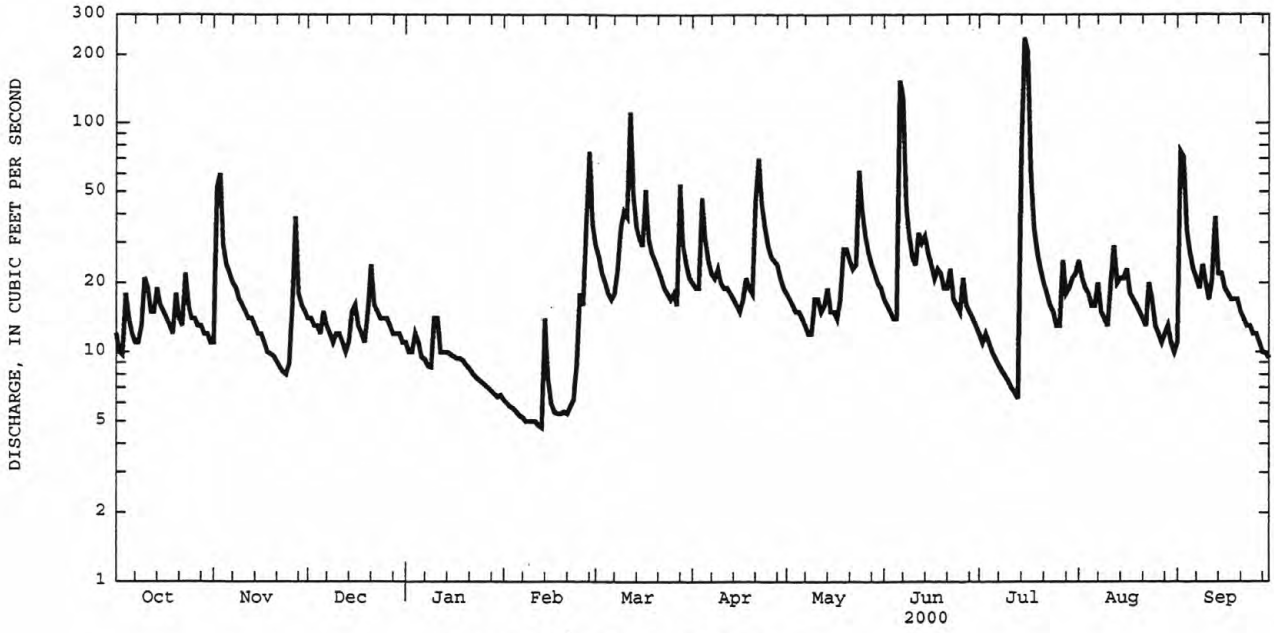
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	15.4	19.5	18.1	21.7	13.6	28.1	24.8	25.2	18.6	15.7	6.79	14.9
MAX	36.4	31.2	42.5	34.7	19.7	34.7	30.7	43.6	31.4	31.6	16.9	21.8
(WY)	1997	1998	1997	1998	1999	1998	1997	1998	1998	2000	2000	2000
MIN	5.42	5.43	5.90	9.17	11.2	23.0	17.3	13.1	6.47	3.08	2.41	2.37
(WY)	1999	1999	1999	2000	2000	1997	1999	1999	1997	1997	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	5494.1		7398.2			
ANNUAL MEAN	15.1		20.2		18.1	
HIGHEST ANNUAL MEAN					20.7	1998
LOWEST ANNUAL MEAN					12.6	1999
HIGHEST DAILY MEAN	228	Sep 16	237	Jul 15	356	May 10 1998
LOWEST DAILY MEAN	1.8	Aug 6	4.7	Feb 13	1.7	Aug 9 1997
ANNUAL SEVEN-DAY MINIMUM	1.8	Aug 6	5.0	Feb 7	1.8	Aug 6 1997
ANNUAL RUNOFF (CFSM)	2.81		3.77		3.38	
ANNUAL RUNOFF (INCHES)	38.13		51.35		45.93	
10 PERCENT EXCEEDS	27		32		32	
50 PERCENT EXCEEDS	12		16		13	
90 PERCENT EXCEEDS	2.3		8.0		3.1	

e Estimated

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01365000 RONDOUT CREEK NEAR LOWES CORNERS, NY

LOCATION.--Lat 41°52'00", long 74°29'12", Sullivan County, Hydrologic Unit 02020007, on left bank 100 ft downstream from small tributary, 350 ft upstream from bridge on county road, 1.1 mi upstream from Sugarloaf Brook, 1.1 mi east of Lowes Corners, and 1.5 mi southwest of Sundown.
DRAINAGE AREA.--38.3 mi^2.
PERIOD OF RECORD.--February 1937 to current year.
REVISED RECORDS.--WSP 1702: 1952. WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 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 ft^3/s, July 22, 1938, from rating curve extended above 2,600 ft^3/s; maximum gage height, 10.58 ft, July 14, 2000; minimum discharge, 3.3 ft^3/s, Sept. 16, 17, Oct. 17, 18, 1980.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	1660	a1,660	6.67	July 14	1930	a*5,550	*10.58

a From rating curve extended above 830 ft^3/s, on basis of contracted-opening measurement of peak flow.

Minimum discharge not determined.

REVISIONS.--Peak discharges and maximums (*) for water years 1997-99 have been revised as shown in the following table. These figures supersede those published in the reports for 1997-99.

Water year	Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Water year	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
1997	Oct. 20, 1996	0430	a1,790	6.96	1998	May 10, 1998	1730	a1,760	6.92
1997	Nov. 9, 1996	0530	a1,780	6.94	1998	June 14, 1998	1500	a*2,780	*8.06
1997	Dec. 2, 1996	0300	a*2,310	*7.55	1999	Jan. 24, 1999	1100	a1,830	7.00
1998	Jan. 8, 1998	1745	a1,790	6.95	1999	Sept. 16, 1999	2230	a*2,180	*7.41

a From rating curve extended above 830 ft^3/s, on basis of contracted-opening measurement of peak flow.

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	72	71	93	63	e34	251	121	104	98	86	e150	e60
2	61	186	88	63	e33	215	113	99	89	79	e130	e320
3	58	351	84	64	e32	174	109	92	82	80	e120	e450
4	92	186	81	68	e30	148	215	87	75	79	e120	e240
5	82	153	76	69	e30	132	170	83	74	68	e100	e190
6	72	134	88	59	e30	118	145	80	650	62	e100	e160
7	67	119	83	57	e29	114	131	73	907	58	e120	e140
8	65	108	74	55	e27	134	123	69	398	55	e100	e120
9	79	99	70	54	e27	162	141	65	258	53	e90	e140
10	114	93	73	72	e27	199	120	85	190	51	e80	e140
11	125	86	74	85	e27	244	112	101	162	47	e110	e110
12	102	79	68	67	e26	620	108	99	296	45	e170	e130
13	96	75	66	65	e24	357	101	105	219	43	e130	e230
14	110	72	70	52	e62	257	95	134	216	817	e130	e150
15	95	68	85	e52	e47	210	91	105	189	e1700	e130	e140
16	88	64	88	e50	e34	185	88	99	167	e1300	e140	e120
17	84	60	80	e50	e33	315	94	93	145	e500	e120	e110
18	80	57	75	e49	e31	208	124	104	148	e260	e100	e110
19	74	55	73	e48	e31	181	108	165	143	e200	e100	e100
20	102	54	82	e48	e31	161	101	169	118	e150	e96	e100
21	90	53	133	e47	e31	142	211	161	112	e130	e90	e100
22	84	51	102	e46	e34	129	367	154	146	e120	e80	e90
23	134	49	97	e45	e35	117	300	163	107	e110	e110	e80
24	106	49	92	e43	e46	107	240	396	96	e100	e110	e80
25	98	53	85	e42	e90	102	197	304	92	e86	e90	e70
26	94	76	84	e41	157	102	170	230	178	e80	e80	e70
27	90	236	81	e39	226	91	152	187	133	e140	e70	e70
28	85	131	75	e38	522	249	144	159	111	e120	e70	e60
29	81	112	72	e37	327	171	126	138	106	e110	e80	e60
30	77	101	70	e36	---	146	113	122	98	e130	e70	e60
31	74	---	67	e36	---	132	---	109	---	e130	e60	---
TOTAL	2731	3081	2529	1640	2113	5873	4430	4134	5803	6989	3246	4000
MEAN	88.1	103	81.6	52.9	72.9	189	148	133	193	225	105	133
MAX	134	351	133	85	522	620	367	396	907	1700	170	450
MIN	58	49	66	36	24	91	88	65	74	43	60	60
CFSM	2.30	2.68	2.13	1.38	1.90	4.95	3.86	3.48	5.05	5.89	2.73	3.48
IN.	2.65	2.99	2.46	1.59	2.05	5.70	4.30	4.02	5.64	6.79	3.15	3.89

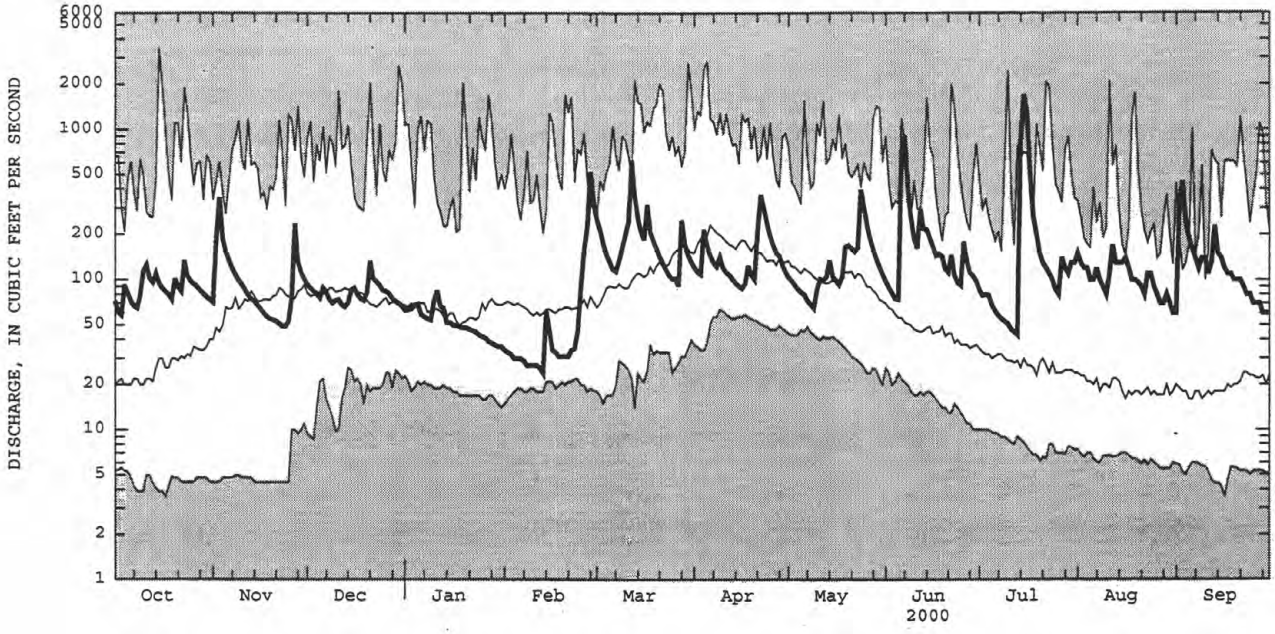
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	64.7	101	115	96.6	94.5	162	217	137	74.4	50.9	34.7	39.6
MAX	403	295	338	293	299	379	447	382	299	264	226	185
(WY)	1956	1973	1974	1996	1981	1977	1940	1989	1972	1938	1938	1987
MIN	4.92	5.88	29.8	18.2	21.0	60.5	64.8	41.3	18.7	9.18	7.19	5.95
(WY)	1965	1965	1947	1981	1980	1970	1946	1941	1962	1962	1962	1964

e Estimated

01365000 RONDOUT CREEK NEAR LOWES CORNERS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	31843.2		46569			
ANNUAL MEAN	87.2		127		98.9	
HIGHEST ANNUAL MEAN					152	1996
LOWEST ANNUAL MEAN					49.1	1965
HIGHEST DAILY MEAN.	1200	Jan 24	1700	Jul 15	3500	Oct 15 1955
LOWEST DAILY MEAN	6.5	Sep 4	24	Feb 13	3.6	Sep 16 1980
ANNUAL SEVEN-DAY MINIMUM	6.7	Aug 7	27	Feb 7	4.1	Oct 13 1980
ANNUAL RUNOFF (CFSM)	2.28		3.32		2.58	
ANNUAL RUNOFF (INCHES)	30.93		45.23		35.10	
10 PERCENT EXCEEDS	157		212		211	
50 PERCENT EXCEEDS	72		98		59	
90 PERCENT EXCEEDS	9.7		47		14	



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

01365500 CHESTNUT CREEK AT GRAHAMSVILLE, NY

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0345	509	3.85	June 6	1700	*1,100	*4.43
Mar. 12	0500	602	3.97	July 15	1745	1,040	4.39

Minimum discharge not determined.

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	23	21	38	21	e9.8	114	50	41	32	46	49	19
2	17	79	35	22	e9.8	102	46	39	28	41	43	37
3	15	115	33	24	e9.6	79	44	35	25	48	39	22
4	42	61	32	30	e9.6	68	92	33	23	51	35	20
5	34	47	30	30	e9.4	62	67	31	25	40	30	16
6	26	41	41	23	e9.4	58	55	29	491	34	31	14
7	21	37	38	22	e9.2	59	47	26	343	29	42	13
8	18	34	32	20	e9.2	75	44	24	122	26	31	12
9	27	32	29	19	e9.0	87	61	22	82	25	28	23
10	56	30	31	45	e9.0	90	53	40	62	24	26	17
11	57	28	33	54	e9.0	141	49	55	63	21	27	15
12	38	25	29	38	e9.0	327	47	64	110	19	44	27
13	33	24	27	33	e11	137	43	69	92	18	33	97
14	44	23	35	e25	e25	105	41	96	93	37	30	37
15	34	22	51	e23	e45	86	38	59	80	428	30	36
16	29	21	48	e20	e35	79	37	48	69	393	38	28
17	27	19	39	e17	e27	189	45	43	59	128	26	23
18	25	18	34	e16	e23	109	88	54	65	80	23	21
19	23	18	31	e15	e21	86	63	114	64	60	21	20
20	41	18	37	e14	19	73	52	133	51	49	18	23
21	35	18	62	e14	19	67	136	112	50	45	17	19
22	32	17	43	e13	20	60	191	94	74	42	16	17
23	74	16	37	e13	25	55	139	102	49	34	27	16
24	46	16	e30	e12	39	50	105	223	41	30	26	17
25	38	22	e26	e12	117	47	79	140	40	28	18	15
26	33	48	e25	e11	116	51	67	101	119	28	16	18
27	30	162	e24	e11	134	44	60	78	78	55	15	18
28	27	71	e23	e11	287	158	59	66	56	39	14	15
29	25	53	23	e10	149	89	50	57	77	45	14	14
30	24	43	23	e10	---	68	44	45	61	57	15	13
31	22	---	22	e10	---	58	---	36	---	54	14	---
TOTAL	1016	1179	1041	638	1224.0	2873	1992	2109	2624	2054	836	682
MEAN	32.8	39.3	33.6	20.6	42.2	92.7	66.4	68.0	87.5	66.3	27.0	22.7
MAX	74	162	62	54	287	327	191	223	491	428	49	97
MIN	15	16	22	10	9.0	44	37	22	23	18	14	12
CFSM	1.57	1.88	1.61	.98	2.02	4.43	3.18	3.26	4.19	3.17	1.29	1.09
IN.	1.81	2.10	1.85	1.14	2.18	5.11	3.55	3.75	4.67	3.66	1.49	1.21

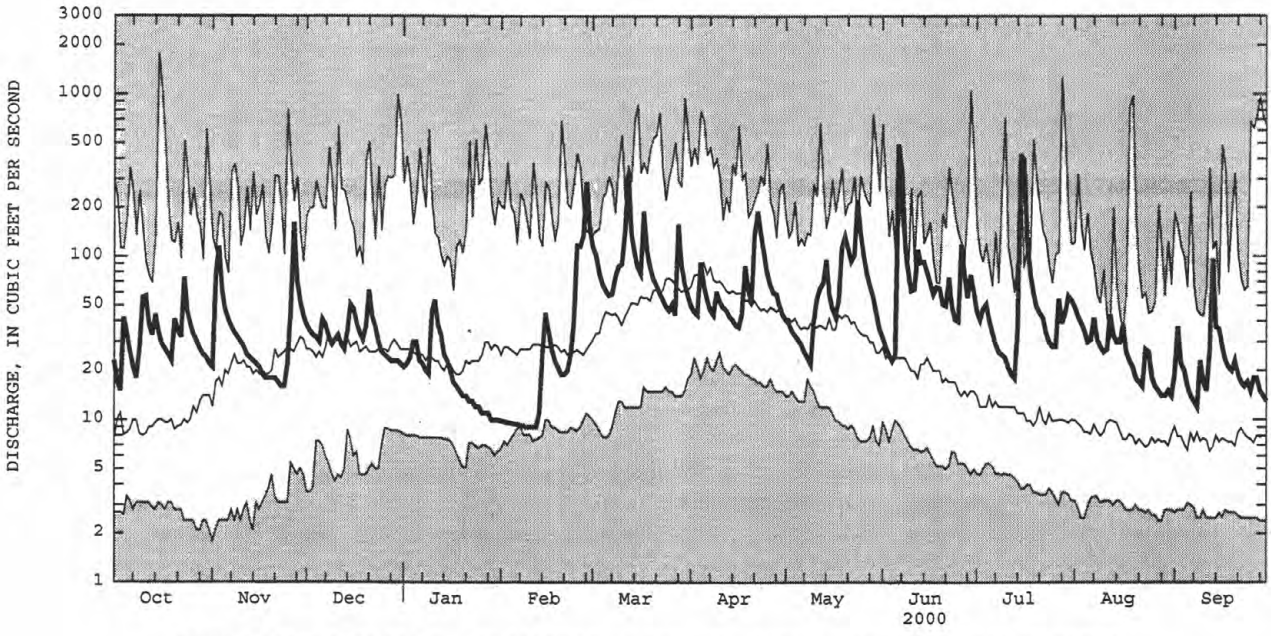
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	24.1	34.7	42.5	37.7	41.3	74.9	79.9	51.2	32.2	21.9	14.9	14.8
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	13093.5		18268.0			
ANNUAL MEAN	35.9		49.9		39.2	
HIGHEST ANNUAL MEAN					61.9	1952
LOWEST ANNUAL MEAN					18.3	1965
HIGHEST DAILY MEAN	525	Jan 24	491	Jun 6	1780	Oct 15 1955
LOWEST DAILY MEAN	3.0	Sep 4	9.0	Feb 9	1.8	Nov 1 1964
ANNUAL SEVEN-DAY MINIMUM	3.2	Aug 30	9.1	Feb 6	2.1	Oct 27 1964
ANNUAL RUNOFF (CFSM)	1.72		2.39		1.87	
ANNUAL RUNOFF (INCHES)	23.31		32.52		25.46	
10 PERCENT EXCEEDS	65		96		84	
50 PERCENT EXCEEDS	26		35		23	
90 PERCENT EXCEEDS	5.0		15		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.

01367500 RONDOUT CREEK AT ROSENDALE, NY

LOCATION.--Lat 41°50'35", long 74°05'11", Ulster County, Hydrologic Unit 02020007, on left bank 30 ft upstream from bridge on James Street in Rosendale, and 3 mi upstream from Wallkill River.
DRAINAGE AREA.--383 mi^2.
PERIOD OF RECORD.--July 1901 to November 1903, October 1905 to December 1906 (monthly discharges only, published in WSP 1302), January 1907 to December 1913, January 1914 to January 1919 (monthly discharges only, published in WSP 1302), August 1926 to current year.
REVISED RECORDS.--WSP 756: 1933. WDR NY-90-1: Drainage Area. WDR NY-92-1: 1903.
GAGE.--Water-stage recorder. Datum of gage is 32.83 ft above 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 Reser- voir (see Reservoirs in Hudson River Basin). Subsequent to May 1951, entire flow except for period of spilling, diverted from Rondout Reservoir for New York City water supply. Discharge records for this station now represent the natural flow from 288 mi^2 together with spillage during high flow from Rondout Reservoir. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft^3/s, Oct. 16, 1955, gage height, 36.8 ft, present datum, from floodmarks, from rating curve extended above 17,500 ft^3/s, on basis of contracted-opening measurement at gage height 33.93 ft, present datum; minimum discharge, 2.2 ft^3/s, July 16, 1965.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,400 ft^3/s, June 7, gage height, 18.22 ft; minimum, 114 ft^3/s, July 13, 14, gage height, 9.10 ft.

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	522	257	454	e290	e240	2020	719	493	394	282	632	154
2	354	304	406	281	e230	1710	641	468	353	246	563	334
3	265	1980	390	287	e220	1370	588	431	360	230	470	532
4	444	1140	345	319	e220	1110	840	394	296	229	448	332
5	682	822	313	384	e210	972	919	373	279	225	335	260
6	519	651	333	316	e210	872	691	354	2610	202	286	217
7	438	485	478	268	e200	806	605	332	10900	186	449	183
8	381	420	403	248	e190	854	547	305	3580	171	473	163
9	334	393	336	236	e190	938	621	284	1690	159	346	157
10	379	364	309	369	e190	960	633	412	1120	153	310	167
11	606	341	347	1220	e200	1020	574	1150	858	141	304	161
12	482	306	353	757	e210	2980	528	845	1440	131	1060	149
13	401	291	326	602	e200	2070	473	1100	1190	120	786	251
14	400	280	344	e500	e450	1360	432	1530	1290	117	586	292
15	395	267	786	e480	e1100	1060	410	1020	1120	843	687	307
16	338	247	844	e430	e940	896	398	767	882	3920	632	324
17	287	249	666	e400	e820	2360	399	625	816	2350	547	256
18	271	231	548	e350	e740	1750	856	522	689	887	408	198
19	254	228	464	e320	e640	1270	946	1450	882	553	357	202
20	270	221	448	e300	e560	1060	724	2080	689	354	299	815
21	388	221	1090	e280	e520	915	1140	1690	555	286	253	424
22	331	236	832	e270	e500	809	4010	1270	661	286	234	360
23	618	223	655	e260	e520	721	2580	1210	582	251	222	249
24	649	211	565	e260	e800	609	1950	1770	461	225	288	229
25	510	203	476	e250	e1200	533	1340	1770	377	228	259	215
26	403	251	e440	e240	e1600	545	1040	1220	393	229	219	215
27	341	1090	403	e230	1930	529	888	904	442	1520	187	278
28	312	941	e370	e230	3660	1970	762	743	458	986	173	245
29	292	645	e350	e230	2860	1560	668	630	329	591	177	214
30	280	525	311	e240	---	1080	569	492	324	500	164	195
31	266	---	298	e240	---	852	---	438	---	697	155	---
TOTAL	12412	14023	14683	11087	21550	37561	27491	27072	36020	17298	12309	8078
MEAN	400	467	474	358	743	1212	916	873	1201	558	397	269
MAX	682	1980	1090	1220	3660	2980	4010	2080	10900	3920	1060	815
MIN	254	203	298	230	190	529	398	284	279	117	155	149

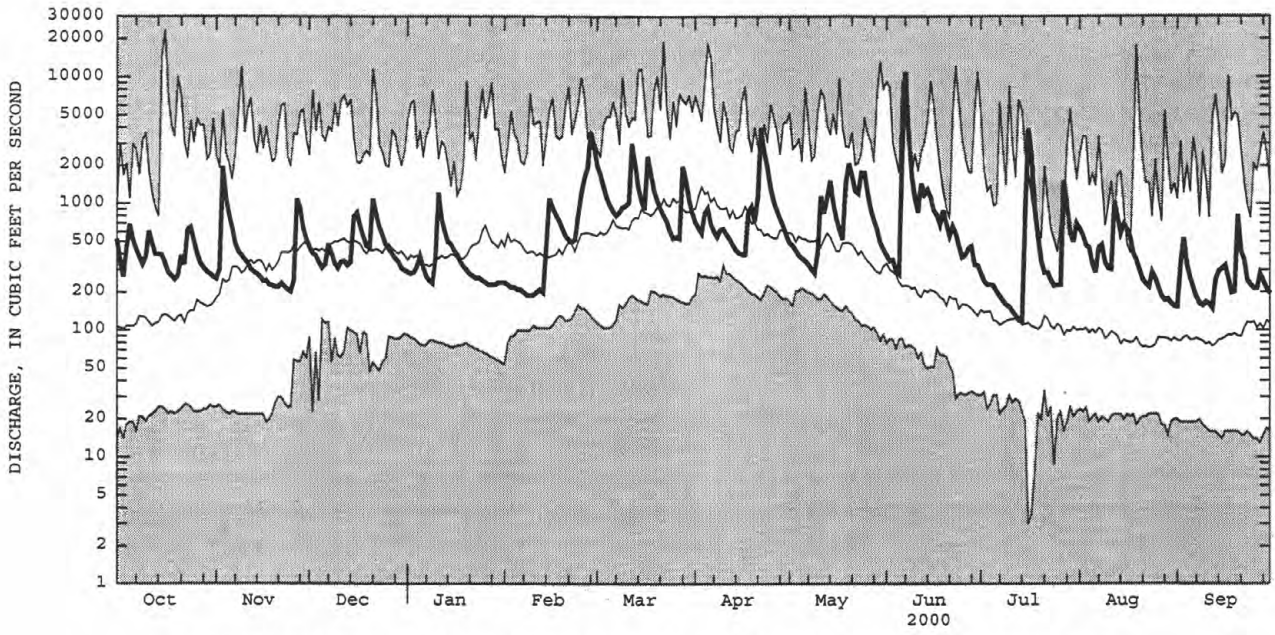
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2000, BY WATER YEAR (WY)

MEAN	343	556	685	647	719	1157	1153	732	438	227	187	230
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1952 - 2000	
ANNUAL TOTAL	186212		239584			
ANNUAL MEAN	510		655		589	
HIGHEST ANNUAL MEAN					892	1952
LOWEST ANNUAL MEAN					255	1965
HIGHEST DAILY MEAN	10200	Sep 17	10900	Jun 7	23500	Oct 16 1955
LOWEST DAILY MEAN	36	Aug 11	117	Jul 14	3.0	Jul 16 1965
ANNUAL SEVEN-DAY MINIMUM	38	Aug 6	142	Jul 8	15	Sep 21 1964
10 PERCENT EXCEEDS	1000		1240		1350	
50 PERCENT EXCEEDS	326		422		307	
90 PERCENT EXCEEDS	56		215		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.

01371500 WALLKILL RIVER AT GARDINER, NY

LOCATION.--Lat 41°41'10", long 74°09'56", Ulster County, Hydrologic Unit 02020007, on left bank 400 ft upstream from bridge on U.S. Highway 44, 500 ft downstream from Shawangunk Kill, and 0.7 mi northwest of Gardiner.
DRAINAGE AREA.--695 mi^2.
PERIOD OF RECORD.--September 1924 to current year.
REVISED RECORDS.--WSP 756: Drainage area. WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 185.70 ft above 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 ft^3/s, Oct. 16, 1955, gage height, 19.81 ft; minimum discharge, 9.5 ft^3/s, Sept. 28, 1964; minimum gage height, 1.49 ft, Aug. 7, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 26	0800	ice jam	*10.61	Apr. 22	0530	8,230	8.52
Feb. 28	1845	6,660	7.61	June 7	0630	*9,770	9.42

Minimum discharge, 188 ft^3/s, Sept. 18; minimum gage height, 2.39 ft, July 13, 14.

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	857	391	662	e490	e320	5050	1270	1240	595	746	1390	338
2	760	418	536	484	e310	4190	1110	1090	542	598	1240	751
3	537	1300	505	511	e310	3310	999	996	549	503	1120	716
4	663	1140	490	625	e310	2570	1230	894	473	454	1810	616
5	884	955	517	780	e310	2140	1450	819	433	470	1370	553
6	814	832	555	771	e320	1820	1260	754	1390	444	1100	394
7	703	724	739	656	e350	1570	1070	694	8240	389	1880	364
8	567	644	677	549	e340	1430	934	633	5040	334	1470	287
9	502	567	592	485	e330	1330	977	633	3190	296	1010	269
10	556	521	522	684	e320	1270	1190	835	2280	283	896	271
11	813	475	594	1560	e310	1440	1180	1250	1710	254	785	264
12	742	459	543	1310	e300	4140	1110	1050	2240	275	2590	253
13	605	435	514	1020	e420	3450	984	1140	2650	218	1900	334
14	521	433	537	736	e680	2420	867	1450	2600	207	1930	425
15	508	411	1570	499	e1200	2000	799	1180	2370	542	3030	517
16	481	387	1700	e460	e1500	1690	752	956	1990	2520	3100	577
17	437	373	1400	e430	e1400	3670	756	742	1620	2100	2770	475
18	399	347	1080	e410	e1300	3570	1400	664	1340	1510	2050	359
19	380	332	892	e400	e1200	2600	1810	1980	1230	1140	1520	381
20	385	323	815	e390	e1100	2160	1430	2440	1110	894	1130	1460
21	562	325	1580	e380	e1000	1840	2690	2080	939	748	872	1040
22	598	336	1500	e370	e940	1610	7430	1630	1060	658	701	674
23	904	342	1210	e370	e930	1440	6550	1610	1060	552	612	490
24	948	339	972	e360	e1200	1300	5940	3770	871	476	607	429
25	814	327	734	e360	e1800	1170	4250	3130	732	400	596	340
26	660	342	597	e350	e2500	1110	3020	1980	687	365	517	341
27	574	1140	e550	e350	e3300	995	2330	1390	661	1680	464	409
28	502	1260	e530	e340	6010	2270	1960	1050	739	2210	433	410
29	462	991	e520	e340	5940	2470	1670	875	875	1610	375	378
30	437	791	e510	e330	---	1870	1440	755	813	1290	380	323
31	413	---	e500	e330	---	1520	---	676	---	1410	356	---
TOTAL	18988	17660	24643	17130	36250	69415	59858	40386	50029	25576	40004	14438
MEAN	613	589	795	553	1250	2239	1995	1303	1668	825	1290	481
MAX	948	1300	1700	1560	6010	5050	7430	3770	8240	2520	3100	1460
MIN	380	323	490	330	300	995	752	633	433	207	356	253
CFSM	.88	.85	1.14	.80	1.80	3.22	2.87	1.87	2.40	1.19	1.86	.69
IN.	1.02	.95	1.32	.92	1.94	3.72	3.20	2.16	2.68	1.37	2.14	.77

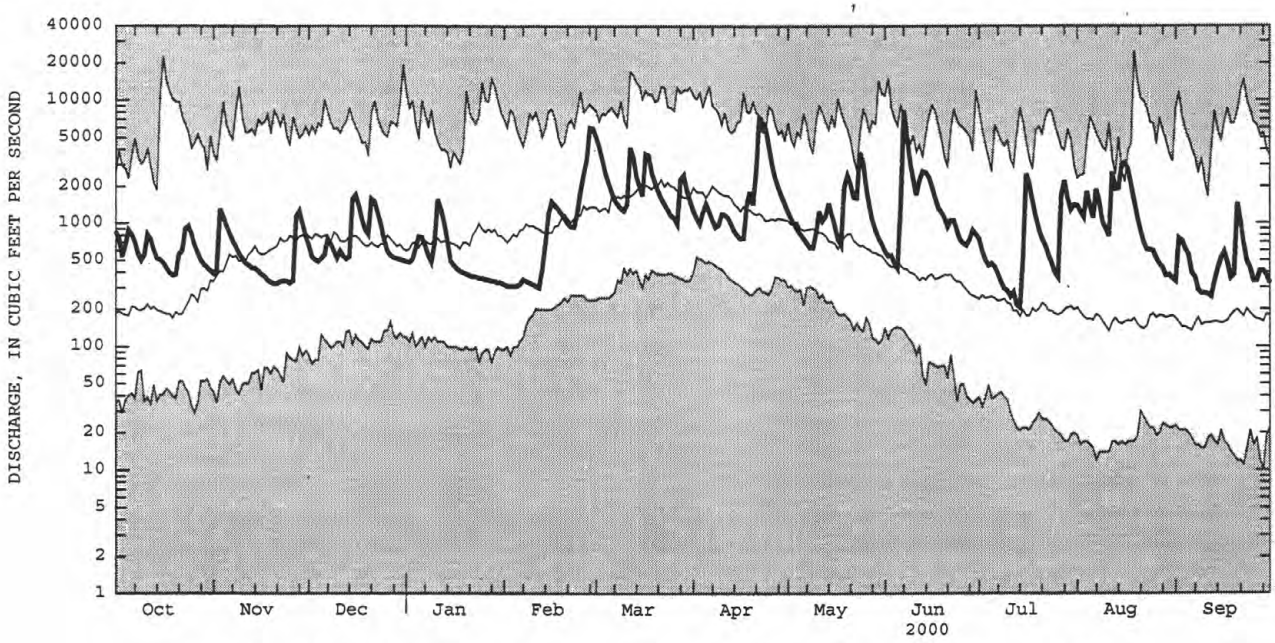
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2000, BY WATER YEAR (WY)

MEAN	534	984	1189	1227	1429	2309	1918	1163	738	479	449	484
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1925 - 2000	
ANNUAL TOTAL	299155		414377			
ANNUAL MEAN	820		1132		1073	
HIGHEST ANNUAL MEAN					1900	1928
LOWEST ANNUAL MEAN					390	1965
HIGHEST DAILY MEAN	8620	Sep 17	8240	Jun 7	25200	Aug 19 1955
LOWEST DAILY MEAN	12	Aug 7	207	Jul 14	10	Sep 28 1964
ANNUAL SEVEN-DAY MINIMUM	14	Aug 5	267	Jul 8	13	Sep 17 1964
ANNUAL RUNOFF (CFSM)	1.18		1.63		1.54	
ANNUAL RUNOFF (INCHES)	16.01		22.18		20.98	
10 PERCENT EXCEEDS	1700		2300		2650	
50 PERCENT EXCEEDS	536		756		571	
90 PERCENT EXCEEDS	45		340		109	

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.

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 mi^2.
PERIOD OF RECORD.--March 1998 to current year.
ORGANIC DATA: OC--1999-2000 (e).
SEDIMENT DATA: 1999-2000 (e).
INSTRUMENTATION.--Point-sample intake attached to old bridge abutment on left bank, immediately upstream from Route 299 bridge.
REMARKS.--Point-sample data collected between March 1999 and February 27, 2000, may not adequately represent conditions in the cross section. 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 collected between March 1, 1999, and January 11, 2000, were filtered using a 1-micron glass-fiber filter; samples collected after January 11, 2000, were filtered using a 0.7-micron glass-fiber filter.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
MAR						
28...	1155	5.9	--	38	83	50
28...	1200	5.1	4.5	40	77	50
31...	1155	5.4	2.7	27	66	50
APR						
03...	1155	5.2	1.5	17	92	50
04...	1615	4.7	1.2	14	91	50
07...	1615	4.7	.6	8	93	50
10...	1615	5.0	1.1	6	85	50
10...	2020	4.9	1.4	6	87	50
11...	0820	5.1	1.5	9	82	50
11...	2020	5.5	1.1	8	79	50
14...	2150	5.9	1.0	7	58	50
17...	2150	5.6	1.1	5	65	50
20...	2150	5.3	.9	12	59	50
23...	2150	5.2	2.3	11	63	50
24...	0650	5.0	.9	8	51	50
24...	1610	4.8	1.6	32	47	50
25...	0010	5.1	1.7	29	61	50
25...	0810	5.1	1.7	26	66	50
26...	0010	6.0	1.4	8	80	50
MAY						
05...	1000	5.9	.6	14	67	50
12...	1010	5.8	>1.8	17	72	50
19...	0010	5.9	>1.8	9	91	50
24...	0810	--	--	12	93	50
25...	0810	--	--	61	61	50
25...	1530	--	--	51	89	50
26...	1530	--	--	36	77	50
27...	1240	6.8	>1.7	18	42	50
27...	1520	6.8	2.4	27	92	50
JUN						
01...	1210	6.5	>2.5	17	84	50
07...	1555	7.0	>1.7	14	77	50
14...	1120	6.8	>2.5	15	82	50
15...	1400	6.9	>2.5	12	82	50
22...	1220	6.8	>2.5	14	80	50
29...	1110	7.1	>2.5	10	78	50
JUL						
06...	1200	6.6	>2.5	9	77	50
09...	1100	7.5	1.9	6	73	50
13...	1105	7.5	2.5	9	96	50
27...	1330	7.6	>2.5	11	83	50
AUG						
04...	1350	8.3	3.0	7	86	50
10...	1315	7.9	2.1	10	84	50
17...	1430	6.7	2.1	11	82	50
24...	0810	7.6	.5	15	89	50
31...	0920	7.2	>2.5	19	98	50

01372000 WALLKILL RIVER AT NEW PALTZ, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
SEP						
07...	0920	6.5	1.7	5	90	50
14...	1010	6.1	1.6	5	75	50
16...	1805	5.4	5.5	59	87	50
16...	1945	--	>10	121	86	50
16...	2055	5.9	>10	223	83	50
16...	2215	5.6	>17	409	72	50
16...	2325	5.8	>17	283	72	50
17...	0115	6.2	>17	618	21	50
17...	0445	7.1	16	546	84	50
17...	0710	7.4	8.7	706	27	50
17...	0725	7.4	8.4	731	20	50
17...	0745	7.3	11	792	20	50
17...	2235	12	>6.7	246	29	50
17...	2305	13	>10	308	39	50
18...	0525	12	8.5	209	35	50
18...	1135	12	7.1	221	53	50
18...	1345	11	6.2	190	54	50
18...	2145	11	5.4	137	50	50
19...	0545	11	5.8	140	54	50
19...	0855	11	4.1	124	30	50
19...	1650	11	4.3	128	57	50
20...	0055	11	>5.0	86	56	50
20...	0855	11	>5.0	99	67	50
20...	1530	11	>5.0	91	57	50
20...	1535	--	--	88	55	50
20...	1655	11	>5.0	81	55	50
20...	2145	11	>5.0	74	53	50
21...	0545	11	4.6	51	71	50
21...	1310	11	4.8	55	57	50
21...	1340	11	4.4	38	63	50
21...	2145	11	3.4	65	69	50
22...	0005	11	3.0	56	85	50
22...	1205	11	3.3	46	88	50
22...	2000	12	3.3	47	93	50
23...	0400	12	3.2	45	80	50
23...	1200	12	3.1	41	84	50
23...	2000	12	2.9	41	90	50
24...	0400	12	3.7	39	92	50
24...	1200	12	3.1	36	94	50
24...	2000	11	3.1	41	91	50
25...	0735	11	--	32	94	50
25...	1535	11	3.4	30	66	50
25...	2335	10	2.0	27	92	50
26...	0735	10	3.0	27	93	50
26...	1535	10	2.4	23	96	50
26...	2335	10	2.2	22	89	50
27...	2335	10	1.5	19	95	50
28...	0945	9.7	.8	15	91	50
28...	1740	9.6	1.1	10	91	50
29...	0145	9.5	1.4	15	92	50
29...	0945	9.6	1.1	13	92	50
30...	0145	9.5	1.2	12	93	50
30...	0945	9.1	1.5	19	85	50

01372000 WALLKILL RIVER AT NEW PALTZ, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
OCT						
04...	1540	8.5	>2.5	25	91	50
05...	0845	7.9	>2.5	39	89	50
05...	1220	7.9	2.5	28	96	50
13...	1140	8.0	.8	12	70	50
13...	2000	8.4	.8	10	69	50
14...	0400	8.0	1.0	13	88	50
14...	1200	7.8	1.0	11	78	50
14...	2000	8.2	1.1	14	66	50
15...	0400	7.7	.9	10	76	50
15...	1305	7.5	.4	5	84	50
15...	2000	7.4	.6	8	70	50
16...	0400	7.2	.8	8	85	50
16...	1200	7.4	.6	7	73	50
16...	2000	7.4	.7	12	72	50
17...	0400	7.4	.9	11	80	50
17...	1200	7.4	.6	7	80	50
17...	2000	7.4	.7	7	86	50
18...	0400	7.6	.8	11	56	50
18...	1200	7.6	1.0	7	87	50
18...	2000	7.5	1.1	11	51	50
19...	0400	7.4	.9	8	79	50
19...	1240	7.2	.5	4	86	50
19...	2000	7.0	.6	3	65	50
20...	0400	6.9	.5	4	86	50
20...	1200	7.1	.4	4	73	50
20...	2000	7.0	1.0	3	71	50
21...	0400	6.7	.6	8	79	50
21...	1200	6.8	.6	4	92	50
21...	2000	6.8	.5	9	88	50
22...	0400	6.7	1.0	9	96	50
22...	1200	6.8	.6	4	91	50
22...	2000	6.8	.5	6	93	50
23...	0400	6.6	.5	7	96	50
23...	1200	6.7	.8	9	90	50
23...	2000	7.2	1.5	24	76	50
24...	0400	7.1	1.2	21	51	50
24...	1200	7.3	1.1	14	31	50
24...	2000	7.2	.7	10	85	50
25...	0400	7.4	<.2	11	90	50
25...	1200	7.5	.7	7	81	50
25...	2000	8.0	.7	7	84	50
26...	0400	8.4	.6	124	96	50
26...	1200	8.6	.5	7	85	50
26...	2000	8.3	.4	5	76	50
27...	0400	8.2	.4	9	89	50
NOV						
02...	1300	7.1	1.2	8	70	50
03...	0630	7.0	1.7	31	63	50
03...	0930	6.9	3.3	56	83	50
*03...	0935	6.8	4.5	--	--	--
03...	1410	7.0	>5.0	86	83	50
03...	1710	7.2	>5.0	76	80	50
04...	0830	7.3	2.5	22	73	50
04...	1700	7.7	.6	14	89	50
09...	1315	8.1	.5	4	57	50
15...	1200	6.2	.8	--	--	50
16...	1055	6.0	.5	5	91	50
23...	1245	5.3	1.0	2	50	50
26...	2240	5.2	1.3	7	84	50
27...	0735	5.6	.8	16	79	50
27...	1200	5.9	4.0	39	85	50
27...	2225	6.3	2.5	58	89	50
28...	0910	6.5	2.6	30	84	50
28...	1905	6.8	2.6	23	74	50
28...	2225	--	--	58	89	50
29...	0810	7.7	1.3	14	92	50

* Replicate.

01372000 WALLKILL RIVER AT NEW PALTZ, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
DEC						
01...	1110	--	--	14	90	50
01...	1115	--	--	6	95	10
01...	1140	--	--	13	85	50
01...	1340	7.7	--	--	--	50
*01...	1341	7.8	.7	--	--	--
06...	1705	6.4	.6	1	67	50
07...	0855	6.0	.4	3	92	50
14...	1705	6.1	.7	2	83	50
14...	2205	6.0	.4	3	92	50
15...	0805	5.9	--	30	85	50
15...	1235	5.8	>2.5	43	84	50
15...	1500	--	--	29	92	10
15...	1505	6.0	>2.5	53	78	50
16...	0710	6.0	--	25	75	50
16...	1110	6.3	2.0	24	83	50
16...	1650	7.3	2.1	16	67	50
16...	2235	8.0	2.5	20	90	50
17...	0805	8.2	1.5	14	86	50
18...	2115	7.4	.8	8	84	50
20...	0845	7.2	.7	6	82	50
21...	0020	6.6	.7	8	86	50
21...	1230	6.1	2.1	16	80	50
22...	0840	6.1	1.4	14	84	50
23...	1355	--	--	12	81	50
28...	1210	5.7	.3	2	94	50
JAN						
04...	1405	4.1	.5	2	88	50
05...	0030	4.2	.5	8	86	50
05...	1435	--	--	--	--	50
06...	1435	4.6	.7	5	74	50
10...	1455	4.8	.6	3	83	50
10...	2040	4.9	1.2	19	92	50
*10...	2041	4.9	1.3	--	--	--
10...	2255	5.0	3.1	43	76	50
11...	0420	5.3	4.0	77	88	50
11...	1105	5.6	3.5	70	86	50
11...	1106	--	--	77	91	50
12...	1445	5.6	1.3	15	96	50
13...	0945	--	--	11	87	50
14...	1430	6.2	10	99	83	50
17...	1440	5.3	.4	3	92	50
25...	0940	4.4	.4	2	86	50

* Replicate.

01372000 WALLKILL RIVER AT NEW PALTZ, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
FEB						
01...	1020	4.4	.2	1	67	50
08...	1300	3.6	.2	1	75	50
14...	0735	3.8	.3	2	91	50
14...	1355	3.8	.3	3	93	50
14...	1935	3.9	.7	8	96	50
14...	2345	3.9	--	26	89	50
15...	0620	4.3	8.5	115	83	50
15...	0745	--	--	105	81	50
15...	0900	4.3	7.4	80	80	50
15...	1050	4.2	6.5	68	79	50
15...	1510	4.4	6.2	78	76	50
15...	2100	4.6	>5.0	60	80	50
16...	0500	4.7	3.2	32	82	50
16...	0900	5.0	2.7	27	79	50
16...	1300	5.5	2.1	29	79	50
16...	2100	5.2	4.2	44	56	50
17...	0500	5.4	2.8	24	81	50
17...	1300	5.1	2.6	21	83	50
17...	2110	5.3	4.4	37	80	50
18...	0510	5.4	1.8	18	79	50
19...	0510	5.4	.8	8	80	50
20...	0510	5.4	.8	5	92	50
21...	0910	4.7	.8	2	86	50
22...	0950	4.8	.7	5	75	50
22...	0951	4.8	.6	--	--	--
23...	0910	5.4	.6	4	77	50
24...	1750	4.8	2.4	25	83	50
24...	2320	4.7	3.2	44	69	50
25...	0430	4.8	4.7	60	81	50
25...	0620	4.9	4.2	58	78	50
25...	1030	4.7	5.1	90	80	50
25...	1120	4.8	6.7	64	63	50
25...	1920	5.3	9.5	133	54	50
25...	2250	4.8	>10	166	62	50
26...	0510	5.4	10	236	61	50
26...	0940	5.5	>10	205	56	50
26...	1740	5.7	>10	181	53	50
27...	0140	6.1	8.3	171	40	50
27...	0510	6.1	8.3	148	40	50
27...	0800	5.9	8.4	116	52	50
27...	1405	5.9	>10	220	63	50
JUN						
06...	1445	5.9	1.4	15	91	50
06...	2235	--	--	178	85	50
06...	2330	6.0	9.2	291	69	50
*06...	2331	5.9	>10	--	--	--
07...	0115	--	--	309	67	50
07...	0315	6.9	>10	373	48	50
07...	0515	--	--	380	43	50
07...	0715	6.9	7.9	310	27	50
07...	0915	--	--	297	31	50
07...	1040	6.8	5.8	313	39	50
07...	1240	7.1	5.8	286	38	50
07...	1440	--	--	225	46	50
07...	1640	7.1	>5.0	161	56	50
07...	2040	--	--	150	57	50
08...	0440	--	--	77	71	50
08...	1240	11	>5.0	78	74	50
09...	1240	--	--	57	87	50
10...	1320	--	--	55	88	50
11...	1320	--	--	42	89	50
12...	1515	7.9	5.1	64	88	50
12...	1520	--	--	55	91	10
13...	1240	12	>10	110	85	50
13...	1325	--	--	88	88	50
14...	1325	--	--	85	92	50
15...	1325	--	--	67	77	50
16...	1725	--	--	47	90	50
20...	1200	8.2	1.7	22	93	50
27...	1345	7.4	1.1	9	80	50

* Replicate.

01372000 WALLKILL RIVER AT NEW PALTZ, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
JUL						
03...	1330	8.6	.8	4	83	50
14...	1355	6.4	>1.7	6	72	50
16...	1505	6.3	>5.0	113	87	50
16...	2240	6.7	>5.0	85	82	50
17...	0610	9.8	5.1	74	77	50
17...	1450	--	--	56	87	10
17...	1455	9.7	>5.0	68	81	50
17...	1735	9.6	4.4	76	73	50
18...	0815	9.8	4.1	45	85	50
18...	1300	9.9	4.2	37	81	50
26...	1340	8.3	1.5	11	78	50
27...	1450	6.5	.3	83	67	50
27...	1456	--	--	109	79	50
*27...	1457	--	--	119	60	--
27...	1705	6.5	.4	152	34	50
27...	1850	6.4	.3	160	74	50
27...	2130	6.2	.3	139	60	50
27...	2250	6.5	.3	141	63	50
28...	0450	6.9	.2	100	46	50
28...	0925	7.1	6.5	79	71	50
28...	1340	7.2	4.9	61	38	50
28...	1625	7.2	4.2	68	72	50
29...	1025	--	--	49	78	50
30...	1045	--	--	44	85	50
31...	0955	--	--	41	90	50
AUG						
01...	1035	8.5	4.5	38	85	50
08...	0925	--	--	41	74	50
08...	1510	8.5	2.7	40	80	50
13...	0030	--	--	58	82	50
13...	1010	--	--	65	78	50
13...	1740	--	--	42	55	50
13...	2355	--	--	46	79	50
14...	0840	--	--	59	77	50
14...	1550	13	6.6	34	88	50
15...	0220	11	>5.0	71	82	50
15...	0500	10	>5.0	56	75	50
15...	0905	9.2	>5.0	104	84	50
15...	1140	9.3	>5.0	122	85	50
15...	1545	9.1	>5.0	142	85	50
15...	2015	8.8	>5.0	138	86	50
15...	2310	8.8	8.8	130	87	50
16...	0635	9.8	7.7	122	87	50
16...	1220	9.7	7.7	104	81	50
16...	1915	9.6	6.7	102	78	50
16...	2340	9.3	6.9	74	83	50
17...	0705	9.2	7.3	107	57	50
17...	1100	--	6.4	89	77	50
18...	1715	--	--	77	91	50
22...	1240	8.6	1.3	20	89	50
SEP						
20...	0425	--	--	109	82	50
20...	0655	--	--	120	87	50
20...	1040	--	--	126	77	50
20...	1720	--	--	113	66	50
20...	2330	--	--	--	--	50
21...	0835	--	--	--	--	50

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, NY
(National water-quality assessment program station)

LOCATION.--Lat 41°43'18", long 73°56'28", Dutchess County, Hydrologic Unit 02020008, at city pumping station on left bank, adjacent (north) to Marist College, 0.5 mi north of Poughkeepsie, and 1.3 mi upstream from Mid-Hudson bridge.
DRAINAGE AREA.--11,700 mi^2.
PERIOD OF RECORD.--Water years 1969-75, 1988-96, 1999 to current year.
CHEMICAL DATA: 1969 (c), 1970-71 (d), 1972 (b), 1973 (e), 1974-75 (d), 1988 (a), 1989-90 (b), 1991 (c), 1992 (a), 1993 (c), 1994 (d), 1995 (c), 1996 (a).
MINOR ELEMENTS DATA: 1969 (c), 1970-71 (d), 1972 (b), 1973-75 (d), 1988 (a), 1989-90 (b), 1991 (c), 1992 (a).
RADIOCHEMICAL DATA: 1974 (a), 1975 (d).
PESTICIDE DATA: 1993-94, 1996 (a).
ORGANIC DATA: OC--1974 (b), 1975 (d), 1993 (c), 1994 (d), 1995 (c), 1999-2000 (e)
PCB--1993 (a).
PCN--1993 (a).
NUTRIENT DATA: 1969 (c), 1970-71 (d), 1972 (b), 1973-75 (d), 1993 (c), 1994 (d), 1995 (c).
BIOLOGICAL DATA:
Bacteria--1973 (c), 1974-75 (d).
Phytoplankton--1973 (a), 1974 (b), 1975 (d), 1993 (a).
Periphyton--1974 (c), 1975 (a).
SEDIMENT DATA: 1973 (a), 1974 (b), 1975 (a), 1989-90 (b), 1991 (c), 1992 (a), 1993 (c), 1994 (d), 1995 (c), 1999-2000 (e).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1959 to September 1966.
INSTRUMENTATION.--Point-sample intake for automatic sampler attached to the city of Poughkeepsie water-supply intake.
REMARKS.--Samples were collected by boat during the period of fastest ebb current of tidal cycle in cross section in vicinity of city pumping station, unless otherwise noted. Daily water-temperature measurements were made at approximately 0830 during water years 1959-63 and at approximately 0700 during water years 1964-66. A sampling method code of 50 indicates a sample collected at one point in the cross section. Particulate-organic-carbon samples collected between March 1, 1999, and January 11, 2000, were filtered using a 1-micron glass-fiber filter; samples collected after January 11, 2000, were filtered using a 0.7-micron glass-fiber filter.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES (water years 1959-66): Maximum daily, 26.5°C, August 29, 1959; minimum daily, 0.0°C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
MAR						
01...	1530	3.1	>2.0	90	95	50
#02...	0930	3.2	>2.0	65	96	50
#03...	0930	3.2	1.4	52	96	50
#04...	0930	3.1	1.3	74	95	50
05...	0330	--	--	56	95	50
#05...	0930	3.2	1.2	--	--	50
05...	1530	--	--	56	95	50
#06...	0930	3.2	1.5	54	96	50
#07...	0930	3.2	1.6	35	95	50
#08...	0930	3.3	1.2	39	96	50
#09...	0930	3.4	1.1	39	97	50
10...	0330	3.5	1.1	31	97	50
10...	1530	3.5	1.2	--	--	50
#11...	0930	3.4	1.3	41	98	50
#12...	0930	3.5	1.6	56	97	50
#13...	0930	3.5	1.6	51	98	50
#14...	0930	3.5	1.9	66	96	50
#15...	0330	3.5	1.8	65	97	50
15...	1530	3.5	2.2	92	97	50
#16...	0930	3.5	>2.0	85	97	50
#17...	0930	3.6	.2	84	97	50
#18...	0930	3.6	1.6	59	96	50
19...	0330	3.6	1.9	69	96	50
19...	1530	3.5	1.5	52	96	50
#20...	0930	3.5	2.0	62	97	50
#21...	0930	3.4	2.6	86	96	50
22...	0330	3.4	2.8	79	96	50
25...	1940	3.6	2.0	110	97	50
26...	0820	3.6	2.2	94	97	50
28...	1240	3.7	2.3	100	98	50
#29...	0640	3.8	2.2	100	98	50
#30...	0640	3.8	>5.0	98	98	50
#31...	0640	3.5	2.6	47	96	50

Composite of 2 discrete samples collected 6 hours apart. Time listed is average time.

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
APR						
#01...	0640	3.5	2.2	63	97	50
#02...	0640	3.4	2.3	61	96	50
#03...	0640	3.2	2.0	46	95	50
#04...	0640	3.3	--	43	93	50
#05...	0640	3.1	1.4	31	93	50
#06...	0640	3.4	1.6	34	97	50
#07...	0640	2.9	1.2	--	--	50
07...	1240	--	--	99	95	50
08...	0040	--	--	28	96	50
08...	1240	3.0	2.4	55	95	50
#09...	0640	3.1	1.7	41	94	50
#10...	0640	3.0	1.8	--	--	50
10...	1240	--	--	57	91	50
14...	1030	3.1	2.0	60	95	50
16...	0800	3.3	5.0	149	96	50
16...	0900	3.2	2.4	78	94	50
16...	1000	3.2	1.5	39	90	50
16...	1100	3.2	--	102	96	50
16...	1200	3.2	3.1	78	88	50
16...	1300	3.2	2.9	86	91	50
16...	1400	3.2	3.0	90	91	50
16...	1500	3.2	1.6	45	89	50
16...	1600	3.0	.9	29	92	50
16...	1700	3.1	3.5	78	93	50
16...	1800	3.1	4.7	109	94	50
16...	1900	3.2	4.9	119	92	50
16...	2000	3.1	4.6	111	92	50
16...	2100	3.1	.8	139	94	50
16...	2200	--	1.4	53	89	50
16...	2300	3.1	>5.0	112	87	50
16...	2400	3.1	2.5	119	85	50
17...	0100	3.1	2.1	120	89	50
17...	0200	3.0	2.0	86	87	50
17...	0300	3.0	1.4	57	90	50
17...	0400	3.0	.7	30	84	50
17...	0500	3.0	1.5	50	93	50
17...	0600	2.9	2.8	85	95	50
17...	0700	3.1	3.0	119	94	50
17...	0800	3.2	4.0	129	94	50
17...	0900	3.0	4.7	209	95	50
17...	1000	3.0	2.7	134	96	50
17...	1100	3.1	.8	66	93	50
17...	1200	3.1	2.5	108	95	50
17...	1300	3.0	2.2	107	93	50
17...	1400	3.0	2.1	104	93	50
17...	1500	3.0	1.6	80	93	50
17...	1600	3.0	.9	37	90	50
17...	1700	3.1	.8	28	92	50
17...	1800	3.1	2.0	87	95	50
17...	1900	3.1	2.9	130	95	50
17...	2000	3.0	2.4	117	95	50
17...	2100	3.1	3.4	180	97	50
17...	2300	3.1	1.0	53	92	50
17...	2400	3.1	2.3	92	95	50
18...	0100	3.1	2.4	118	95	50
18...	0300	3.0	2.3	118	94	50
18...	0400	3.1	1.8	58	92	50
18...	0500	3.1	.8	46	92	50
18...	0600	3.1	2.2	73	95	50
18...	0700	3.1	1.8	95	95	50
18...	0800	3.0	2.5	127	92	50
MAY						
29...	2130	3.4	.7	21	79	50
30...	0010	3.5	2.3	53	89	50
30...	0310	3.4	.2	37	94	50
30...	0650	3.4	3.5	104	90	50
30...	1010	3.5	1.2	22	75	50
30...	1230	3.4	2.7	65	91	50
30...	1520	3.4	.9	19	73	50
30...	1900	3.3	5.0	121	94	50
30...	2210	3.5	.9	17	92	50
31...	0040	3.3	2.7	83	92	50
31...	0350	3.2	.9	13	78	50
31...	0730	3.3	2.9	107	83	50

Composite of 2 discrete samples collected 6 hours apart. Time listed is average time.

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAMPLING METHOD, CODES (82398)
JUL				
25...	1300	11	--	50
25...	1400	7	--	50
25...	1600	55	--	50
25...	1700	51	--	50
25...	1800	21	--	50
25...	2000	14	81	50
25...	2100	39	--	50
25...	2200	36	--	50
25...	2355	32	--	50
26...	0100	18	--	50
26...	0200	8	--	50
26...	0300	23	--	50
26...	0400	48	--	50
26...	0500	62	--	50
26...	0600	44	--	50
26...	0700	51	--	50
26...	0800	24	--	50
26...	0900	13	--	50
26...	1000	24	--	50
26...	1200	88	--	50
26...	1300	27	--	50
26...	1400	12	--	50
26...	1600	16	--	50
26...	1700	43	93	50
26...	1800	39	89	50
26...	1900	22	--	50
26...	2000	18	--	50
26...	2200	50	--	50
26...	2300	64	--	50
26...	2355	53	--	50
27...	0200	14	--	50
27...	0300	9	--	50
27...	0400	50	--	50
27...	0500	59	--	50
27...	0600	64	84	50
27...	0800	80	--	50
27...	0900	26	--	50
27...	1000	18	--	50
27...	1100	84	--	50
27...	1200	49	--	50
27...	1300	52	92	50
27...	1400	22	--	50
27...	1500	11	--	50
27...	1600	13	--	50
27...	1700	33	--	50
27...	1800	47	--	50
27...	1900	71	--	50
27...	2000	20	--	50
27...	2100	9	--	50
27...	2200	31	94	50
27...	2300	85	94	50
27...	2355	48	--	50
28...	0100	77	--	50
28...	0200	35	--	50
28...	0300	12	--	50
28...	0400	12	--	50
28...	0500	56	--	50
28...	0600	56	--	50
28...	0700	64	--	50
28...	0800	60	93	50
28...	0900	56	--	50
28...	1000	21	--	50
28...	1100	27	--	50
28...	1200	56	--	50
28...	1300	62	--	50
28...	1400	54	--	50
28...	1500	18	92	50
28...	1600	9	--	50
28...	1700	25	--	50
28...	1800	55	--	50
28...	1900	84	--	50
28...	2000	28	--	50
28...	2100	16	--	50
28...	2200	10	--	50
28...	2300	31	50	50
28...	2355	36	--	50
29...	0100	52	--	50
29...	0200	61	--	50
29...	0300	28	--	50

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAMPLING METHOD, CODES (82398)
JUL				
29...	0400	11	88	50
29...	0500	24	93	50
29...	0600	44	--	50
29...	0700	68	--	50
29...	0800	63	--	50
29...	0900	58	--	50
29...	1000	27	--	50
29...	1100	17	--	50
29...	1200	48	--	50
29...	1300	62	--	50
29...	1400	51	--	50
29...	1500	35	--	50
29...	1600	16	89	50
29...	1700	10	--	50
29...	1800	35	--	50
29...	1900	71	93	50
29...	2000	34	--	50
29...	2100	31	--	50
29...	2200	17	--	50
29...	2300	18	93	50
29...	2355	24	--	50
30...	0100	37	--	50
30...	0200	59	--	50
30...	0300	38	--	50
30...	0400	12	--	50
30...	0500	7	--	50
30...	0600	43	--	50
30...	0700	30	--	50
30...	0800	39	--	50
30...	0900	48	--	50
30...	1000	82	--	50
30...	1100	23	--	50
30...	1200	22	--	50
30...	1300	51	92	50

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAMPLING METHOD, CODES (82398)
AUG				
10...	1200	67	--	50
10...	1300	73	--	50
10...	1400	22	--	50
10...	1500	11	--	50
10...	1600	44	--	50
10...	1700	45	--	50
10...	1800	49	--	50
10...	1900	68	--	50
10...	2000	44	87	50
10...	2100	21	--	50
10...	2200	75	90	50
10...	2300	64	--	50
10...	2355	122	--	50
11...	0100	92	--	50
11...	0200	32	--	50
11...	0300	14	--	50
11...	0400	28	--	50
11...	0500	45	--	50
11...	0600	83	91	50
11...	0700	78	--	50
11...	0800	77	--	50
11...	0900	63	--	50
11...	1000	24	--	50
11...	1100	87	--	50
11...	1200	67	--	50
11...	1300	75	--	50
11...	1400	59	--	50
11...	1500	21	--	50
11...	1600	14	--	50
11...	1700	43	--	50
11...	1800	91	--	50
11...	1900	71	--	50
11...	2000	66	--	50
11...	2100	34	83	50
11...	2200	18	--	50
11...	2300	87	--	50
11...	2355	58	--	50
12...	0100	82	--	50
12...	0200	95	89	50
12...	0300	30	--	50
12...	0400	41	--	50
12...	0500	47	89	50
12...	0600	13	--	50
12...	0700	62	--	50
12...	0800	77	--	50
12...	0900	83	--	50
12...	1000	38	--	50
12...	1100	21	--	50
12...	1200	82	--	50
12...	1300	106	--	50
12...	1400	102	--	50
12...	1500	47	--	50
12...	1600	16	--	50
12...	1700	12	--	50
12...	1800	40	--	50
12...	1900	104	--	50
12...	2000	64	94	50
12...	2100	44	--	50
12...	2200	20	--	50
12...	2300	17	88	50
12...	2355	31	--	50
13...	0100	42	--	50
13...	0200	95	--	50
13...	0300	113	96	50
13...	0400	22	--	50
13...	0500	12	--	50
13...	0600	37	--	50
13...	0700	47	--	50
13...	0800	81	--	50
13...	0900	72	--	50
13...	1000	84	--	50
13...	1100	29	--	50
13...	1200	35	--	50
13...	1300	96	--	50
13...	1400	77	--	50
13...	1500	81	--	50
13...	1600	41	--	50
13...	1700	16	88	50
13...	1800	14	89	50

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
AUG						
13...	1900	--	--	37	--	50
13...	2000	--	--	72	96	50
13...	2100	--	--	87	--	50
13...	2200	--	--	60	--	50
13...	2300	--	--	23	--	50
13...	2355	--	--	19	--	50
14...	0100	--	--	84	96	50
14...	0200	--	--	52	--	50
14...	0300	--	--	87	--	50
14...	0400	--	--	53	--	50
14...	0500	--	--	19	--	50
14...	0600	--	--	123	--	50
14...	0700	--	--	78	--	50
SEP						
17...	1300	2.4	1.4	24	53	50
17...	1800	3.6	.9	14	81	50
17...	2000	4.0	.5	10	88	50
17...	2100	3.8	.6	10	99	50
17...	2200	3.8	1.0	24	84	50
17...	2300	3.7	1.3	41	86	50
17...	2355	4.2	>2.5	95	95	50
18...	0100	4.3	2.6	85	85	50
18...	0200	4.3	3.5	98	94	50
18...	0300	4.3	2.7	80	94	50
18...	0400	4.3	1.5	95	100	50
18...	0500	4.3	1.0	29	95	50
18...	1100	4.3	1.5	34	95	50
18...	1200	4.2	1.9	45	97	50
18...	1300	4.1	2.7	74	97	50
18...	1400	4.1	2.3	69	93	50
18...	1500	4.3	1.6	36	97	50
18...	1600	4.3	1.0	30	38	50
18...	1700	4.4	.8	22	87	50
18...	2000	4.2	.8	23	87	50
18...	2100	4.2	.8	15	97	50
18...	2200	4.1	.6	14	98	50
18...	2300	4.2	1.5	24	96	50
19...	0005	4.3	1.7	23	97	50
19...	1655	4.2	1.7	74	93	50
19...	1830	4.2	1.3	77	94	50
19...	1930	4.4	1.3	65	96	50
19...	2030	4.3	.9	44	94	50
20...	1330	4.3	.9	16	94	50
20...	1430	4.4	1.8	59	92	50
21...	1540	4.7	2.7	126	99	50
21...	1630	4.9	2.8	123	95	50
22...	1410	4.8	1.4	49	94	50

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
OCT						
23...	0800	4.6	1.2	53	--	50
23...	0900	4.6	.9	35	--	50
23...	1000	4.5	3.6	130	--	50
23...	1100	4.6	2.2	99	--	50
23...	1200	4.5	2.5	112	94	50
23...	1300	4.6	2.0	87	--	50
23...	1400	4.6	1.0	40	--	50
23...	1500	4.6	1.6	57	--	50
23...	1600	4.6	2.2	99	--	50
23...	1700	4.5	3.4	141	--	50
23...	1800	4.6	2.9	114	--	50
23...	1900	4.6	3.6	136	--	50
23...	2000	4.8	3.2	123	94	50
23...	2100	4.6	1.2	60	--	50
23...	2200	4.7	1.3	56	--	50
23...	2300	4.4	3.2	115	--	50
23...	2355	4.5	1.9	87	--	50
24...	0100	4.5	2.1	84	--	50
24...	0200	4.5	1.1	44	--	50
24...	0300	4.5	.9	36	--	50
24...	0400	4.5	1.3	100	--	50
24...	0500	4.5	4.5	194	--	50
24...	0600	--	2.9	113	92	50
24...	0700	4.5	3.0	132	--	50
24...	0800	4.5	3.3	155	97	50
24...	0900	4.5	1.2	71	--	50
24...	1000	4.4	1.8	100	--	50
24...	1100	4.5	2.7	144	--	50
24...	1200	4.5	1.6	85	--	50
24...	1300	4.5	2.4	116	96	50
24...	1400	4.5	1.3	62	--	50
24...	1500	4.5	.4	35	--	50
24...	1600	4.5	1.5	57	--	50
24...	1700	4.5	2.3	106	--	50
24...	1800	4.5	4.0	160	--	50
24...	1900	4.5	2.5	121	--	50
24...	2000	4.4	5.2	208	--	50
24...	2100	4.4	2.9	125	--	50
24...	2200	4.5	1.3	74	98	50
24...	2300	4.5	2.1	97	--	50
24...	2355	4.4	2.4	114	--	50
25...	0100	4.5	1.9	91	--	50
25...	0200	4.5	1.7	90	--	50
25...	0300	4.6	1.0	47	--	50
25...	0400	4.4	1.1	43	--	50
25...	0500	4.5	2.0	85	--	50
25...	0600	4.4	3.4	143	--	50
25...	0700	4.3	2.1	126	--	50
25...	0800	4.4	3.7	153	94	50
25...	0900	4.4	2.2	112	--	50
25...	1000	4.3	1.0	70	--	50
25...	1100	4.4	2.8	122	--	50
25...	1200	4.3	1.5	103	--	50
25...	1300	4.3	2.4	125	--	50
25...	1400	4.4	2.5	43	92	50
25...	1500	4.3	1.2	65	--	50

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
MAR						
18...	1330	3.4	2.0	84	--	50
18...	1500	4.2	2.9	77	--	50
18...	1630	3.6	5.2	175	--	50
18...	1800	3.7	7.6	219	--	50
18...	1930	3.5	5.9	199	--	50
18...	2100	3.5	2.3	103	--	50
18...	2230	3.5	3.8	165	--	50
19...	0002	3.8	2.7	113	--	50
19...	0130	3.6	2.0	81	93	50
19...	0300	3.6	2.8	85	95	50
19...	0430	3.5	6.0	189	--	50
19...	0600	3.5	6.0	168	--	50
19...	0730	3.5	6.8	225	--	50
19...	0900	3.5	3.3	114	--	50
19...	1030	3.4	--	184	--	50
19...	1050	--	--	178	--	50
19...	1630	3.6	4.0	151	93	50
19...	1705	--	--	210	--	50
19...	1800	3.6	4.7	123	93	50
19...	1930	3.5	8.2	251	--	50
19...	2100	3.7	3.5	119	--	50
19...	2230	3.6	3.5	162	--	50
19...	2310	--	--	211	--	50
20...	0002	3.6	3.3	119	--	50
*20...	0003	3.6	3.6	--	--	50
20...	0130	3.6	2.9	146	93	50
20...	0300	3.5	1.9	72	--	50
20...	0430	3.6	4.0	126	--	50
20...	0600	3.5	3.8	113	95	50
20...	0730	3.6	6.6	197	--	50
20...	0900	3.6	3.9	138	--	50
20...	1030	3.6	3.8	201	91	50
20...	1200	3.6	3.3	136	--	50
20...	1330	3.5	3.2	126	--	50
20...	1500	3.5	2.0	80	88	50
APR						
17...	0210	12	--	39	--	50
17...	0340	4.1	1.5	46	--	50
17...	0510	3.9	2.1	59	--	50
17...	0640	3.8	3.2	88	--	50
17...	0810	3.9	1.3	92	--	50
17...	0940	3.8	3.2	131	90	50
17...	1110	3.9	1.0	111	--	50
17...	1240	3.8	3.0	108	--	50
17...	1410	3.8	1.8	72	--	50
17...	1540	3.7	1.1	45	94	50
*17...	1541	3.8	1.2	--	--	50
17...	1705	3.7	2.1	67	--	50
17...	1835	3.7	2.7	76	--	50
17...	2005	3.7	3.8	111	91	50
17...	2135	3.7	3.3	119	--	50
17...	2305	3.7	>5.0	218	--	50
18...	0035	3.8	3.2	121	--	50
18...	0210	3.8	2.4	103	--	50
18...	0340	3.8	1.3	53	--	50
18...	0510	3.8	2.5	74	94	50
18...	0640	3.7	3.4	113	--	50
18...	0810	3.8	5.2	162	--	50
18...	0940	3.6	4.4	154	--	50
18...	1110	3.6	3.2	115	86	50
18...	1240	3.6	2.5	112	87	50
18...	1410	3.6	2.2	81	80	50
18...	1540	3.5	1.1	63	90	50
18...	1710	3.6	1.9	59	93	50
18...	1840	3.6	3.8	95	--	50
18...	2010	3.6	4.2	100	87	50
18...	2140	3.6	4.4	143	--	50

* Replicate.

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAM-PLING METHOD, CODES (82398)
MAY						
17...	1420	3.7	.9	15	85	50
17...	1530	3.9	.7	16	94	50
17...	1700	3.8	>2.5	71	--	50
17...	1830	4.0	4.3	102	--	50
17...	2000	3.9	3.6	105	93	50
17...	2130	4.1	1.5	29	90	50
17...	2300	4.0	--	73	--	50
18...	0030	3.8	1.9	73	94	50
18...	0200	3.9	1.9	77	--	50
18...	0330	3.8	.8	28	--	50
18...	0500	3.8	3.2	111	--	50
18...	0630	3.9	5.6	189	--	50
18...	0805	4.1	9.2	301	--	50
18...	0930	4.2	4.8	125	91	50
18...	1100	4.3	1.8	83	--	50
18...	1230	4.3	1.8	86	89	50
18...	1400	4.0	1.6	68	--	50
18...	1530	3.9	.9	30	--	50
18...	1700	4.0	1.5	59	--	50
18...	2210	4.5	1.2	39	--	50
18...	2340	4.4	--	36	--	50
19...	0110	4.3	--	72	--	50
19...	0240	4.3	1.2	66	--	50
19...	0410	4.2	.8	23	--	50
19...	0540	4.3	2.7	79	94	50
*19...	0541	4.3	2.6	--	--	50
19...	0710	4.6	>5.0	172	--	50
19...	0840	4.5	10	303	--	50
19...	1010	4.7	6.0	176	--	50
19...	1140	4.8	1.5	51	91	50
19...	1310	4.8	1.3	58	--	50
19...	1355	4.7	1.4	52	--	50
JUN						
15...	0845	4.7	3.0	111	92	50
15...	1015	4.6	1.4	69	--	50
15...	1145	4.5	1.5	106	--	50
15...	1315	4.5	1.3	51	--	50
15...	1445	4.6	.9	73	79	50
15...	1615	4.6	1.3	54	--	50
15...	1745	4.5	2.5	108	--	50
15...	1915	4.5	2.7	89	--	50
15...	2045	4.5	2.0	84	--	50
15...	2215	4.4	--	61	--	50
15...	2345	4.6	2.1	95	--	50
16...	0115	4.4	2.7	122	--	50
16...	0245	4.5	1.1	78	--	50
16...	0415	4.4	1.5	65	--	50
16...	0545	4.5	3.8	117	85	50
16...	0715	4.3	4.6	132	--	50
*16...	0716	4.3	4.7	--	--	50
16...	0845	4.3	5.7	215	--	50
16...	1015	4.4	2.0	77	--	50
16...	1145	4.3	1.4	83	--	50
16...	1315	4.6	1.8	83	--	50
16...	1445	4.5	.9	54	--	50
16...	1615	4.4	1.1	46	--	50
16...	1745	4.5	1.6	63	--	50
16...	1915	4.5	2.3	65	--	50
16...	2045	4.7	--	113	98	50
16...	2215	4.4	1.1	57	97	50
16...	2345	4.3	2.5	120	--	50
17...	0115	4.4	2.0	91	99	50
17...	0245	4.4	1.5	79	--	50
17...	0415	4.3	1.0	45	98	50
17...	0545	4.3	1.9	102	93	50
17...	0715	4.3	3.4	127	98	50
17...	0845	4.4	6.0	202	--	50
17...	0955	4.4	3.0	113	97	50
*17...	0956	4.4	4.1	--	--	50

* Replicate.

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY

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

ELEVATION RECORDS

PERIOD OF RECORD.--May 1992 to current year.
REVISED RECORDS.--WDR NY-97-1: 1996.
GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below sea level. Gage-height record converted to elevation above or below(-) mean sea level for publication.
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, 6.82 ft, Dec. 11, 1992; minimum, -4.38 ft, Mar. 14, 15, 1993.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.87 ft, Nov. 2; minimum, -4.14 ft, Jan. 17.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.66	-.46	1.63	2.75	-.77	.95	2.39	-1.42	.58	2.71	-.78	.92
2	3.41	-.68	1.42	4.87	-.59	2.07	3.71	-.08	1.77	2.44	-1.33	.75
3	2.76	-.64	1.21	4.07	.20	2.15	2.58	-.93	.97	2.61	-.86	.67
4	2.69	-.70	1.14	1.69	-1.63	.14	2.96	-.70	1.05	2.96	-.81	1.17
5	3.48	-.82	1.40	2.32	-1.57	.37	3.02	-.81	1.13	2.36	-2.25	.09
6	3.18	-.40	1.40	2.08	-1.53	.36	3.11	-.58	1.18	2.98	-1.15	.73
7	2.81	-1.33	.73	2.34	-1.47	.31	2.37	-1.36	.49	3.05	-.94	.78
8	3.22	-.88	1.09	3.00	-.94	.88	2.57	-1.37	.45	1.99	-2.12	-.06
9	3.22	-.93	1.12	3.44	-.65	1.32	2.51	-1.37	.51	2.64	-1.17	.63
10	3.06	-1.10	1.05	2.89	-.90	.95	3.31	-.50	1.17	3.30	-.79	1.41
11	2.86	-.93	.93	2.60	-1.20	.86	1.52	-3.25	-.99	3.11	-1.01	1.13
12	2.84	-.99	.94	3.11	-.21	1.44	2.10	-2.18	-.07	.96	-2.23	-.47
13	3.10	-.70	1.27	2.79	-.13	1.21	3.02	-.28	1.49	2.18	-1.62	.62
14	2.92	-2.11	.17	3.74	-.29	1.77	3.69	.06	1.84	1.14	-2.74	-.80
15	2.62	-.81	.77	1.81	-.71	.29	3.51	.72	2.16	1.70	-2.77	-.07
16	2.76	-.65	.85	1.51	-1.36	.34	3.10	-.56	1.59	2.89	-1.76	.79
17	3.00	-.19	1.25	2.12	-1.78	.33	1.57	-1.32	.27	.43	-4.14	-1.84
18	1.96	-1.55	.45	2.37	-.59	1.04	2.15	-1.85	.33	3.27	-2.21	.91
19	3.17	.19	1.72	2.86	-1.10	.95	2.67	-1.14	.81	3.79	-1.19	1.18
20	2.82	-.36	1.39	2.88	-.82	1.11	3.46	-1.07	1.33	4.21	-1.20	1.45
21	3.25	-.63	1.27	2.82	-1.15	.87	3.57	-.91	1.25	3.55	-1.75	.64
22	4.33	-.28	1.95	3.18	-1.18	.98	3.27	-1.44	.85	1.55	-2.83	-.59
23	4.08	.01	1.93	3.40	-1.09	1.05	3.44	-1.30	1.00	2.40	-2.60	-.06
24	3.54	-.57	1.39	3.51	-1.14	1.13	2.97	-1.71	.61	3.46	-1.14	1.09
25	3.38	-.98	1.22	3.26	-1.07	1.03	3.09	-1.33	.84	3.76	-.90	1.46
26	3.64	-.82	1.34	3.63	-.86	1.38	3.28	-1.04	1.21	3.14	-1.77	.74
27	3.26	-1.15	1.00	3.61	-.24	1.70	2.17	-1.59	.33	1.49	-1.74	.04
28	3.62	-.81	1.32	2.71	-.96	1.01	2.84	-.98	.91	.78	-2.07	-.83
29	3.02	-.85	1.16	2.43	-.95	.79	2.85	-.79	1.01	.90	-2.44	-.36
30	3.05	-.90	1.07	2.06	-1.03	.56	2.53	-1.56	.48	1.70	-1.12	.44
31	3.17	-.45	1.34	---	---	---	1.88	-1.81	.51	2.37	-.93	.57
MONTH	4.33	-2.11	1.19	4.87	-1.78	.98	3.71	-3.25	.87	4.21	-4.14	.42

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.55	-1.41	-.05	3.08	.06	1.68	2.50	-.76	.94	3.63	-.29	1.48
2	.74	-2.39	-.81	3.00	-.42	1.23	2.67	-.81	.91	3.07	-1.04	1.17
3	1.91	-2.01	-.04	2.01	-1.43	.26	3.04	-.95	.94	3.39	-.81	1.15
4	2.60	-1.02	.69	2.76	-.91	.90	3.59	-.29	1.56	3.56	-.77	1.30
5	2.41	-1.19	.59	3.24	-.78	1.16	3.60	-.99	1.13	3.67	-1.09	1.12
6	1.57	-2.46	-.55	2.75	-1.05	.76	3.15	-.85	1.23	3.46	-.91	1.09
7	1.78	-2.10	-.20	3.01	-.83	1.08	3.51	-.64	1.30	3.75	-.49	1.45
8	1.94	-2.08	-.07	2.99	-.72	1.21	3.81	.09	2.00	3.56	-.59	1.36
9	2.44	-1.34	.66	3.51	-.14	1.68	3.67	-1.68	.79	3.55	-.32	1.56
10	2.08	-1.50	.37	3.37	-.88	1.15	1.85	-1.56	.23	3.93	.27	2.14
11	3.29	-.98	1.33	3.35	.12	1.79	2.54	-1.02	1.03	4.09	-.15	1.87
12	1.98	-1.26	.33	3.91	-.81	1.83	3.25	-.92	.89	3.43	.01	1.84
13	2.52	-1.26	.80	2.54	-.91	.74	2.35	-1.37	.69	3.90	.10	1.98
14	3.41	-.75	1.43	2.83	-.69	1.20	2.73	-.93	.84	3.77	-.11	1.88
15	2.28	-1.79	.39	2.82	-.58	1.13	2.75	-.91	1.00	3.45	-.17	1.70
16	3.43	-1.42	1.00	3.01	-.60	1.13	2.98	-.72	1.11	3.73	-.24	1.56
17	2.09	-2.04	.06	2.50	-1.37	.56	4.21	-.79	1.50	3.70	-.32	1.48
18	3.15	-1.71	.73	3.47	-1.34	1.12	4.21	.02	1.99	3.70	-.12	1.58
19	3.55	-1.29	.97	3.79	-.38	1.69	4.10	-.07	1.89	3.36	-.67	1.30
20	3.63	-1.17	1.19	4.07	-.03	2.02	3.87	.08	1.87	3.92	.11	1.76
21	2.72	-1.71	.54	4.23	.17	2.04	4.05	.35	2.20	3.97	.12	1.76
22	2.75	-1.57	.65	4.19	-.21	1.90	4.23	.45	2.12	3.36	-.08	1.54
23	2.65	-1.33	.73	3.61	-.60	1.40	3.69	.36	1.83	3.51	.31	1.79
24	2.54	-1.43	.56	2.78	-.72	.89	3.13	.03	1.34	3.75	.55	2.03
25	2.31	-.94	.79	2.79	-.36	1.18	2.96	.22	1.73	3.50	.36	1.75
26	3.05	-.67	1.27	2.83	-.33	1.07	3.91	1.09	2.31	2.84	-.30	1.31
27	2.35	-.67	.88	2.56	.09	1.43	3.42	.60	1.97	2.47	-.47	1.21
28	2.84	-.23	1.04	3.67	.93	2.06	2.62	-.24	1.27	2.87	-.38	1.31
29	2.07	-.75	.63	2.96	.33	1.46	2.88	.04	1.53	3.50	-.30	1.64
30	---	---	---	2.30	-.22	1.04	2.71	-.86	1.15	3.80	-.38	1.74
31	---	---	---	2.53	-.44	1.00	---	---	---	3.70	-.88	1.35
MONTH	3.63	-2.46	.55	4.23	-1.43	1.28	4.23	-1.68	1.38	4.09	-1.09	1.55

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3.57	-.86	1.30	3.81	-.99	1.24	4.16	-.44	1.74	3.19	-.76	1.33
2	3.98	-.63	1.38	3.81	-.86	1.30	4.00	-.29	1.73	3.20	-.62	1.41
3	4.02	-1.28	1.08	3.84	-.78	1.36	3.72	-.34	1.66	3.41	-.18	1.65
4	3.55	-.82	1.28	3.70	-.72	1.37	3.46	-.52	1.43	2.95	-.72	1.39
5	3.77	-.60	1.38	3.60	-.68	1.35	2.96	-.76	1.31	3.31	-.72	1.25
6	4.03	-.16	1.69	3.28	-.65	1.41	3.26	-.57	1.46	2.89	-.15	1.32
7	4.40	1.00	2.64	3.10	-.82	1.20	2.90	-.52	1.32	2.76	-.29	1.12
8	4.00	.38	2.12	2.70	-.95	1.07	2.69	-.67	1.00	2.50	-.48	.90
9	3.26	-.28	1.53	3.08	-.70	1.24	3.03	-.21	1.23	2.68	-.54	.85
10	2.90	-.53	1.28	2.85	-.59	1.27	2.97	-.42	1.12	3.31	-.53	1.19
11	2.98	-.59	1.24	3.01	-.51	1.11	3.16	-.26	1.21	3.41	-.17	1.40
12	3.57	-.11	1.58	3.10	-.61	1.01	4.05	-.07	1.70	3.41	-.23	1.44
13	3.82	-.18	1.65	3.59	-.47	1.18	3.99	.39	2.01	3.40	-.63	1.31
14	3.76	-.02	1.65	3.64	-.13	1.47	3.88	.07	1.76	3.62	-.54	1.55
15	3.65	-.30	1.51	3.95	.07	1.97	3.62	-.28	1.53	3.74	-.12	1.84
16	3.63	-.26	1.40	3.92	.36	1.92	3.73	-.46	1.52	3.24	-.42	1.40
17	3.45	-.55	1.14	3.83	.15	1.79	3.13	-.45	1.22	3.02	-.74	1.18
18	2.77	-.83	.92	3.75	.01	1.63	3.17	-.39	1.41	2.64	-1.13	.85
19	3.15	-.57	1.04	3.05	-.48	1.26	3.10	-.45	1.34	3.12	-.84	1.19
20	3.09	-.69	1.01	3.17	-.53	1.36	2.83	-.65	1.15	2.91	-.84	1.06
21	2.94	-.51	1.37	3.37	-.28	1.61	2.59	-.89	.95	2.81	-.41	1.19
22	3.18	-.42	1.35	3.05	-.56	1.33	2.83	-1.03	.94	2.77	-.98	.77
23	2.75	-.54	1.18	2.60	-.75	1.12	3.36	-.54	1.32	3.28	-.79	1.11
24	2.55	-.63	1.21	2.74	-.84	1.12	3.09	-.85	1.05	3.01	-.76	1.23
25	3.01	-.48	1.45	3.29	-.46	1.48	3.28	-.89	1.09	3.27	-1.01	1.00
26	2.89	-.77	1.20	3.42	-.51	1.46	3.59	-.81	1.24	4.10	-.45	1.86
27	2.82	-.86	1.09	3.62	-.61	1.51	3.58	-.79	1.32	4.00	-.21	1.86
28	3.49	-.83	1.15	3.97	-.51	1.54	3.61	-.89	1.23	3.66	-.92	1.24
29	3.88	-.55	1.48	3.92	-.57	1.56	3.83	-.64	1.53	3.24	-.87	1.22
30	3.77	-.94	1.39	3.82	-.73	1.47	3.89	-.72	1.44	3.24	-.69	1.33
31	---	---	---	4.03	-.48	1.60	3.42	-.78	1.33	---	---	---
MONTH	4.40	-1.28	1.39	4.03	-.99	1.40	4.16	-1.03	1.36	4.10	-1.13	1.28

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. Interruption of record was due to malfunction of recording instrument. All data are collected, stored, and reported in Eastern Standard Time.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,800 µS/cm, Sept. 26, 1995; minimum, 96 µS/cm, Jan. 30, 1995.
WATER TEMPERATURE: Maximum, 28.5°C, July 30, Aug. 1, 1999; minimum (water years 1993-2000), 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 319 µS/cm, Mar. 17; minimum, 168 µS/cm, May 26.
WATER TEMPERATURE: Maximum, 25.0°C, July 13, 16, 17, 18, Aug. 10, 16; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	263	244	254	267	261	263	269	219	249	237	234	236
2	273	249	257	277	260	264	279	256	262	240	236	237
3	282	248	261	273	262	266	265	258	261	249	236	239
4	271	249	260	269	264	266	262	257	260	244	236	239
5	269	247	259	284	264	270	262	256	259	251	238	241
6	266	249	259	282	265	272	267	256	261	240	237	239
7	267	248	259	277	265	270	291	242	266	249	239	242
8	265	249	257	270	265	268	262	237	257	265	242	248
9	262	247	257	276	265	270	265	257	260	250	244	246
10	261	243	254	269	266	268	268	258	262	256	244	250
11	260	240	253	288	265	271	264	227	249	267	247	251
12	260	239	249	273	266	269	262	236	259	258	248	253
13	257	241	249	273	266	268	263	259	261	256	248	249
14	257	241	250	272	266	268	286	229	246	274	248	255
15	259	243	251	271	259	265	232	227	229	257	247	250
16	257	240	248	267	257	262	231	225	227	256	223	248
17	258	241	250	268	255	260	245	224	228	237	223	229
18	258	230	248	263	256	260	228	221	224	250	228	235
19	260	245	253	266	256	261	224	220	222	254	245	251
20	258	239	249	263	257	260	225	220	222	252	247	249
21	256	235	244	278	256	263	231	221	224	252	247	249
22	247	230	240	268	255	262	237	219	224	254	235	245
23	259	234	242	264	255	259	230	220	224	249	231	238
24	261	243	253	263	254	258	227	222	224	242	230	234
25	258	248	253	271	253	260	226	223	224	242	228	233
26	264	251	254	265	253	258	231	224	226	241	234	237
27	256	254	255	260	253	257	232	227	229	238	217	228
28	260	255	257	259	251	255	233	228	231	225	219	223
29	271	258	260	269	252	258	238	229	232	224	220	222
30	270	259	262	259	213	237	249	229	235	224	222	223
31	275	261	263	---	---	---	249	235	240	224	222	223
MONTH	282	230	254	288	213	263	291	219	241	274	217	240

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	224	223	223	287	276	281	231	212	218	245	194	206
2	227	223	225	280	258	273	237	213	220	238	190	207
3	233	227	230	273	227	246	222	215	218	225	186	199
4	233	232	232	245	214	229	229	214	220	217	185	196
5	232	231	232	269	206	227	221	202	215	206	182	192
6	233	231	232	230	189	210	215	183	203	195	181	188
7	234	233	234	216	176	196	205	183	195	192	181	186
8	239	234	236	213	185	202	203	177	185	218	180	199
9	239	238	239	208	176	194	193	180	185	258	184	210
10	240	239	239	190	177	181	208	187	197	189	178	181
11	239	238	239	253	185	200	229	196	204	225	179	190
12	239	239	239	249	211	220	227	202	213	209	184	192
13	239	239	239	222	205	218	214	186	200	206	189	195
14	240	239	239	238	213	223	203	177	187	223	195	204
15	240	238	239	254	224	231	186	171	179	210	199	204
16	243	238	240	242	221	226	212	173	184	206	197	201
17	240	238	239	319	219	249	208	181	189	220	199	206
18	243	238	240	238	216	226	198	185	190	223	201	208
19	243	239	240	227	208	217	207	188	195	201	192	198
20	242	239	240	237	205	217	204	191	198	204	190	194
21	243	239	242	222	203	216	209	193	200	207	190	194
22	240	237	239	232	210	215	221	195	205	204	189	192
23	239	236	238	219	202	208	217	196	209	205	186	192
24	239	237	237	225	200	208	258	197	220	225	185	192
25	243	237	239	204	198	201	237	199	206	207	177	188
26	247	239	243	203	197	200	223	198	204	233	168	181
27	249	239	245	202	199	201	199	188	191	231	172	186
28	260	242	251	215	201	206	262	186	200	242	180	192
29	287	251	276	222	206	214	280	185	211	228	180	193
30	---	---	---	222	215	218	248	194	213	213	182	193
31	---	---	---	227	211	219	---	---	---	207	185	192
MONTH	287	223	239	319	176	218	280	171	202	258	168	195

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	206	189	193	252	225	231	252	238	244	227	215	219
2	214	192	197	250	225	233	247	237	242	229	219	222
3	224	194	205	234	226	230	247	240	243	225	220	222
4	218	201	208	238	226	230	252	243	247	246	222	226
5	226	206	212	233	225	228	258	244	247	231	223	226
6	214	205	210	234	226	228	259	245	249	231	224	227
7	216	206	209	240	226	230	263	248	255	231	225	228
8	217	184	199	241	226	229	267	252	257	231	224	227
9	218	174	189	242	226	229	266	251	257	235	224	228
10	238	175	190	243	227	232	271	250	257	246	223	228
11	230	176	190	243	227	232	259	244	251	233	224	227
12	205	183	188	240	229	232	254	243	249	227	224	226
13	227	186	198	241	230	233	253	237	247	229	224	226
14	204	196	200	237	229	233	240	232	236	230	226	228
15	204	195	199	234	230	232	236	231	233	228	226	227
16	224	196	203	249	233	240	234	226	230	233	227	229
17	231	196	207	260	241	247	231	223	228	231	229	230
18	228	198	209	267	249	254	232	222	225	232	230	231
19	229	202	210	258	253	254	225	218	222	233	224	230
20	215	203	207	262	254	258	224	214	219	236	229	232
21	209	204	206	260	255	257	226	212	216	239	232	234
22	217	205	209	276	257	261	221	211	214	240	233	234
23	229	211	215	278	257	260	218	211	213	243	234	235
24	236	212	217	267	255	258	234	211	215	242	234	237
25	244	215	219	266	253	259	227	211	215	243	235	237
26	228	217	221	263	250	255	236	211	217	237	235	236
27	228	218	221	264	251	258	232	212	218	242	236	237
28	245	220	225	267	248	255	220	213	216	244	237	239
29	237	223	227	262	247	254	221	213	215	241	238	239
30	243	224	228	258	244	253	220	213	215	245	239	240
31	---	---	---	258	242	248	227	214	217	---	---	---
MONTH	245	174	207	278	225	243	271	211	233	246	215	230

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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	12.5	12.5	7.0	6.5	7.0	2.5	2.0	2.5
2	18.5	18.5	18.5	13.5	12.5	13.0	7.0	6.5	6.5	2.5	2.0	2.5
3	18.5	18.0	18.5	13.5	12.5	13.0	6.5	6.5	6.5	2.5	2.0	2.5
4	18.0	17.5	18.0	12.5	12.0	12.0	7.0	6.5	6.5	3.0	2.0	2.5
5	17.5	17.5	17.5	12.0	11.5	11.5	7.0	6.5	6.5	3.0	1.5	2.0
6	17.5	17.5	17.5	12.0	11.5	11.5	7.0	6.5	6.5	1.5	1.0	1.5
7	17.5	17.0	17.0	11.5	11.0	11.5	7.0	6.5	6.5	1.5	1.0	1.5
8	17.0	16.5	17.0	11.0	11.0	11.0	6.5	6.0	6.0	1.0	1.0	1.0
9	17.0	16.5	17.0	11.5	11.0	11.0	6.5	6.0	6.0	1.5	1.0	1.0
10	17.0	16.5	16.5	11.5	11.0	11.0	6.5	6.0	6.0	2.0	1.0	1.5
11	17.0	16.5	16.5	11.0	10.5	11.0	6.0	5.5	5.5	1.5	1.0	1.0
12	17.0	16.0	16.5	11.0	10.5	10.5	5.5	5.0	5.5	1.0	1.0	1.0
13	16.5	16.0	16.5	10.5	10.5	10.5	5.5	5.5	5.5	1.0	.5	1.0
14	16.5	15.5	16.0	10.5	10.0	10.5	5.5	5.0	5.5	.5	.0	.5
15	16.0	15.5	16.0	10.0	9.5	10.0	5.5	5.5	5.5	.5	.0	.5
16	16.0	15.5	15.5	9.5	9.0	9.5	5.5	5.0	5.5	.5	.0	.5
17	16.0	15.5	16.0	9.0	9.0	9.0	5.0	5.0	5.0	.0	.0	.0
18	16.0	15.0	15.5	9.0	9.0	9.0	5.0	4.5	4.5	.0	.0	.0
19	15.5	15.0	15.0	9.5	9.0	9.0	4.5	4.5	4.5	.0	.0	.0
20	15.0	15.0	15.0	9.5	9.0	9.0	4.5	4.5	4.5	.0	.0	.0
21	15.0	14.5	15.0	9.5	9.0	9.0	4.5	4.5	4.5	.0	.0	.0
22	15.0	14.5	14.5	9.5	9.0	9.0	4.5	4.0	4.0	.0	.0	.0
23	15.0	14.5	14.5	9.5	9.0	9.0	4.0	4.0	4.0	.0	.0	.0
24	14.5	14.0	14.0	9.5	9.0	9.0	4.0	3.5	3.5	.0	.0	.0
25	14.0	13.5	14.0	9.5	8.5	9.0	3.5	3.0	3.0	.0	.0	.0
26	14.0	13.5	13.5	9.5	8.5	9.0	3.0	3.0	3.0	.0	.0	.0
27	13.5	13.0	13.5	9.5	8.5	9.0	3.0	2.5	3.0	.0	.0	.0
28	13.5	13.0	13.0	8.5	8.0	8.5	2.5	2.0	2.5	.0	.0	.0
29	13.0	12.5	13.0	8.0	7.5	8.0	2.5	2.5	2.5	.0	.0	.0
30	13.0	12.5	13.0	7.5	7.0	7.5	2.5	2.5	2.5	.0	.0	.0
31	13.0	12.5	13.0	---	---	---	2.5	2.0	2.5	.0	.0	.0
MONTH	19.0	12.5	15.5	13.5	7.0	10.0	7.0	2.0	5.0	3.0	.0	.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	1.0	.0	.5	9.0	7.5	8.0	10.5	9.5	10.0
2	.0	.0	.0	.5	.0	.0	9.0	8.0	8.5	11.0	10.0	10.5
3	.0	.0	.0	.5	.0	.5	9.5	8.5	9.0	11.5	10.0	10.5
4	.0	.0	.0	1.0	.5	.5	9.0	9.0	9.0	11.5	10.5	11.0
5	.0	.0	.0	1.0	1.0	1.0	9.0	8.0	8.5	12.0	11.0	11.5
6	.0	.0	.0	2.0	1.0	1.5	8.5	8.0	8.0	12.0	11.0	11.5
7	.0	.0	.0	2.0	1.5	1.5	8.0	7.5	7.5	13.0	11.5	12.0
8	.0	.0	.0	2.5	2.0	2.0	8.5	7.5	7.5	---	12.0	---
9	.0	.0	.0	3.0	2.0	2.5	8.0	7.0	7.5	---	---	---
10	.0	.0	.0	3.0	2.5	3.0	8.0	7.0	7.5	14.0	13.5	13.5
11	.0	.0	.0	3.5	3.0	3.0	8.0	7.5	8.0	14.5	13.5	14.0
12	.0	.0	.0	4.0	3.5	3.5	9.0	8.0	8.0	15.5	14.0	15.0
13	.0	.0	.0	4.5	4.0	4.0	8.5	7.5	8.0	16.5	15.0	15.5
14	.0	.0	.0	5.0	4.0	4.5	8.5	7.5	8.0	17.5	16.0	16.5
15	.0	.0	.0	6.0	4.5	5.0	8.5	7.5	8.0	18.0	16.5	17.5
16	.0	.0	.0	5.5	5.0	5.0	8.5	8.0	8.0	18.5	17.0	18.0
17	.5	.0	.0	5.5	4.5	5.0	8.0	8.0	8.0	18.5	17.5	18.0
18	.0	.0	.0	5.0	4.0	4.5	8.0	7.5	8.0	18.0	17.5	17.5
19	.0	.0	.0	5.0	4.5	4.5	8.5	7.5	8.0	17.5	16.5	17.0
20	.0	.0	.0	5.0	4.5	4.5	8.5	8.0	8.0	17.0	16.0	16.5
21	.0	.0	.0	4.5	4.0	4.5	8.5	8.0	8.0	16.0	15.5	16.0
22	.0	.0	.0	5.0	4.0	4.5	8.0	8.0	8.0	16.0	15.5	15.5
23	.0	.0	.0	5.5	4.5	4.5	9.0	8.0	8.5	15.5	15.0	15.5
24	.5	.0	.0	5.5	4.5	5.0	10.0	9.0	9.5	15.5	15.0	15.5
25	1.0	.0	.5	5.5	4.5	5.0	10.0	9.0	9.5	15.5	15.0	15.0
26	.5	.5	.5	5.5	5.0	5.0	9.5	9.0	9.5	16.0	15.0	15.5
27	.5	.0	.5	5.5	5.0	5.5	9.5	9.0	9.0	16.0	15.0	15.5
28	.5	.0	.5	6.0	5.5	6.0	10.0	9.0	9.5	16.0	15.5	15.5
29	1.0	.0	.5	7.0	6.0	6.5	10.5	9.0	9.5	16.0	15.5	16.0
30	---	---	---	7.5	6.5	7.0	10.5	9.5	10.0	17.0	15.5	16.0
31	---	---	---	8.0	7.5	8.0	---	---	---	17.0	16.0	16.5
MONTH	1.0	.0	.0	8.0	.0	4.0	10.5	7.0	8.5	---	---	---

01372058 HUDSON RIVER BELOW POUGHKEEPSIE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

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 mi^2.
PERIOD OF RECORD.--May 1903 to June 1905 (monthly discharges and daily gage heights only, published in WSP 97, 125, 166, and 202), August 1928 to current year.
REVISED RECORDS.--WSP 741: 1932. WSP 1902: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 114.37 ft above 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 ft^3/s, Aug. 19, 1955, gage height, 19.60 ft, from floodmarks in gage shelter, from rating curve extended above 6,000 ft^3/s on basis of flow-over-dam and contracted-opening measurement at gage height 18.02 ft and contracted-opening and flow-over-road measurement at gage height 19.60 ft; minimum discharge, 0.90 ft^3/s, Sept. 20, 21, 1964, gage height, 2.05 ft; minimum gage height, 1.96 ft, Sept. 9, 1995.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	2300	*1,920	*6.49	No other peak greater than base discharge.			

Minimum discharge, 63 ft^3/s, Sept. 1, gage height, 3.02 ft.

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

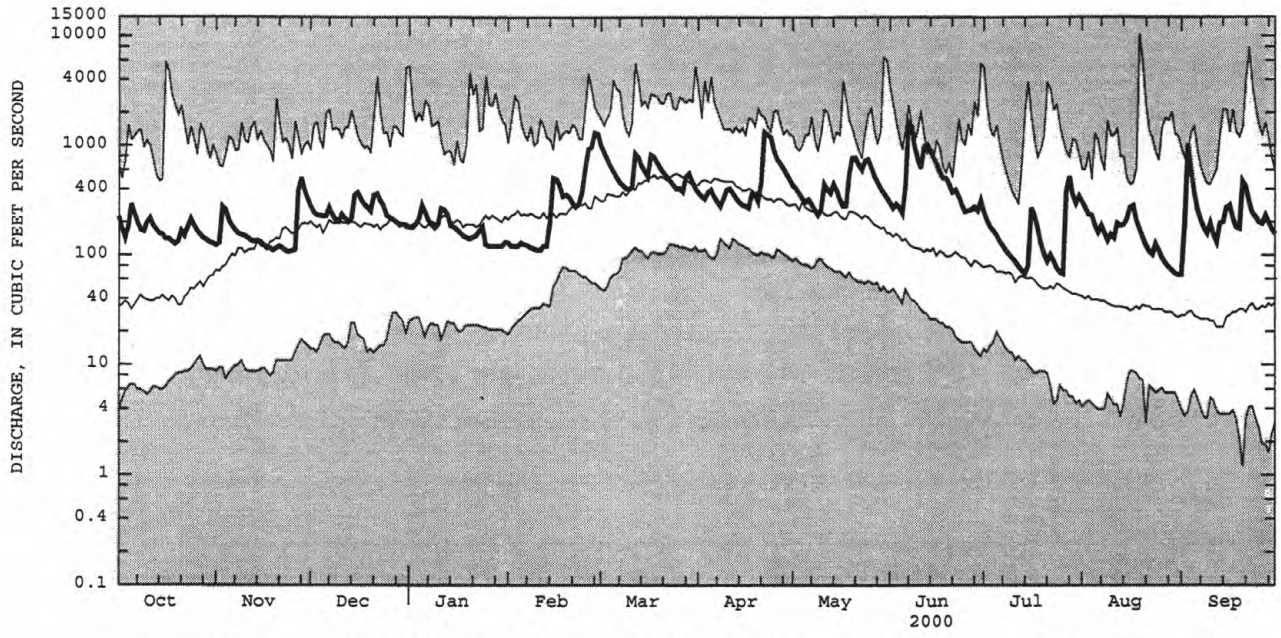
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	123	281	179	e130	1000	372	434	301	248	306	66
2	174	129	247	177	e120	864	346	407	269	207	269	190
3	143	277	233	190	e120	744	327	369	291	180	235	1030
4	182	259	230	214	e120	648	373	330	271	167	231	598
5	292	208	227	285	129	581	394	306	240	152	187	369
6	238	184	228	246	125	515	342	322	421	134	162	260
7	197	169	271	207	122	462	307	292	1630	122	186	209
8	169	158	235	189	117	435	279	259	1510	110	160	176
9	164	153	210	177	114	407	328	233	970	101	136	158
10	198	150	203	190	e110	399	393	259	743	94	154	196
11	217	144	235	266	e110	420	404	444	622	87	144	154
12	185	136	217	259	e120	845	369	398	975	79	195	132
13	170	133	200	236	e120	784	330	368	1020	72	186	194
14	157	136	214	e185	e200	655	306	442	899	67	189	201
15	154	132	354	e180	506	587	288	389	776	80	214	271
16	141	124	372	e170	492	523	281	320	680	269	272	285
17	141	118	324	e160	431	822	270	280	575	230	283	217
18	133	116	292	e150	345	789	361	282	506	175	207	179
19	126	111	273	e145	356	692	356	552	504	127	172	174
20	133	116	253	e140	336	620	310	769	441	103	144	467
21	165	121	353	e145	299	564	460	768	375	88	122	417
22	150	116	363	e150	276	521	1320	662	391	100	108	302
23	180	109	313	e165	293	478	1260	600	343	88	101	242
24	213	107	281	e180	379	439	1190	720	288	76	126	222
25	186	109	e230	e125	620	405	906	745	249	69	110	199
26	166	112	e220	e120	927	406	754	634	253	67	94	193
27	153	389	e210	e120	975	381	686	527	259	380	85	229
28	143	506	e200	e120	1310	518	617	461	274	520	78	199
29	138	393	e190	e120	1280	555	549	408	255	354	73	172
30	131	326	190	e120	---	467	490	370	313	298	68	156
31	128	---	188	e130	---	408	---	334	---	344	66	---
TOTAL	5290	5364	7837	5440	10582	17934	14968	13684	16644	5188	5063	7857
MEAN	171	179	253	175	365	579	499	441	555	167	163	262
MAX	292	506	372	285	1310	1000	1320	769	1630	520	306	1030
MIN	126	107	188	120	110	381	270	233	240	67	66	66
CFSM	.94	.99	1.40	.97	2.02	3.20	2.76	2.44	3.07	.92	.90	1.45
IN.	1.09	1.10	1.61	1.12	2.17	3.69	3.08	2.81	3.42	1.07	1.04	1.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2000, BY WATER YEAR (WY)

MEAN	119	195	268	306	338	567	499	314	192	119	83.8	96.8
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1928 - 2000	
ANNUAL TOTAL	80249.7		115851			
ANNUAL MEAN	220		317		257	
HIGHEST ANNUAL MEAN					438	1973
LOWEST ANNUAL MEAN					65.7	1965
HIGHEST DAILY MEAN	1750	Jan 25	1630	Jun 7	10500	Aug 19 1955
LOWEST DAILY MEAN	3.4	Aug 13	66	Aug 31	1.2	Sep 20 1964
ANNUAL SEVEN-DAY MINIMUM	4.7	Aug 7	76	Aug 26	2.4	Sep 24 1964
ANNUAL RUNOFF (CFSM)	1.21		1.75		1.42	
ANNUAL RUNOFF (INCHES)	16.49		23.81		19.32	
10 PERCENT EXCEEDS	474		626		606	
50 PERCENT EXCEEDS	163		236		151	
90 PERCENT EXCEEDS	11		117		23	

e Estimated



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

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY

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

ELEVATION RECORDS

PERIOD OF RECORD.--October 1991 to current year. Records for June 1989 to September 1991 are unpublished and available in files of the Geological Survey.
GAGE.--Water-stage recorder. Datum of gage is 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, 4.30 ft, Nov. 2; minimum, -3.72 ft, Jan. 17.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.21	-.74	1.37	2.40	-.93	.79	2.17	-1.35	.68	2.47	-.83	.81
2	2.95	-.82	1.23	4.30	-.68	1.95	3.44	-.18	1.68	2.11	-1.45	.64
3	2.45	-.70	1.04	4.08	-.19	1.85	2.32	-1.04	.86	2.34	-.99	.57
4	2.52	-.78	1.04	1.39	-1.79	-.04	2.71	-.79	.89	2.60	-.97	1.02
5	3.20	-.91	1.30	2.03	-1.74	.20	2.70	-.97	1.00	1.62	-2.17	-.05
6	2.94	-.53	1.24	1.84	-1.61	.22	2.87	-.63	1.04	2.59	-1.28	.61
7	2.50	-1.39	.62	2.16	-1.48	.23	2.16	-1.34	.38	2.73	-1.05	.62
8	2.91	-.94	.93	2.72	-1.07	.76	2.25	-1.50	.33	1.66	-2.19	-.13
9	2.71	-1.07	.90	3.04	-.80	1.12	2.20	-1.47	.40	2.43	-1.30	.51
10	2.61	-1.20	.85	2.52	-1.04	.76	2.98	-.68	1.00	3.02	-.95	1.29
11	2.67	-1.03	.76	2.42	-1.18	.85	1.53	-3.07	-1.11	2.88	-1.17	.93
12	2.51	-1.10	.75	2.86	-.34	1.27	1.80	-2.07	-.08	.83	-2.26	-.60
13	2.66	-.92	1.05	2.58	-.31	1.05	2.89	-.32	1.34	2.41	-1.57	.54
14	2.66	-2.08	-.02	3.45	-.26	1.54	3.41	.01	1.82	1.28	-2.74	-.79
15	2.31	-.75	.55	1.71	-.87	.23	3.61	.52	2.04	1.55	-2.53	-.07
16	2.38	-.85	.66	1.45	-1.69	.23	2.98	-1.20	1.38	2.56	-2.33	.68
17	2.71	-.11	1.08	1.91	-1.71	.26	1.54	-1.54	.12	-.01	-3.72	-1.74
18	1.78	-1.34	.50	2.22	-.80	.89	2.00	-1.94	.26	2.92	-1.90	.99
19	2.99	-.02	1.59	2.58	-1.25	.77	2.39	-1.23	.73	3.42	-.92	1.16
20	2.61	-.36	1.26	2.55	-1.00	.93	3.16	-1.14	1.27	3.76	-.92	1.45
21	3.00	-.77	1.11	2.48	-1.23	.72	3.37	-.89	1.10	3.00	-1.62	.59
22	4.04	-.53	1.78	2.77	-1.27	.81	2.89	-1.46	.74	1.89	-2.57	-.46
23	3.91	-.14	1.74	2.97	-1.19	.86	3.07	-1.38	.85	2.56	-2.29	.31
24	3.15	-.77	1.19	3.04	-1.26	.91	2.63	-1.74	.49	3.19	-.74	1.24
25	2.97	-1.09	1.03	2.88	-1.11	.88	2.84	-1.38	.71	3.80	-.72	1.59
26	3.17	-1.02	1.09	3.23	-.99	1.18	3.00	-.98	.97	3.04	-2.03	.59
27	3.01	-1.22	.83	3.26	-.32	1.43	1.88	-1.67	.20	1.86	-2.34	.01
28	3.28	-.94	1.14	2.54	-1.00	.76	2.56	-1.04	.79	1.21	-2.76	-.90
29	2.71	-.88	.92	2.36	-1.05	.60	2.73	-1.02	.90	1.23	-2.78	-.23
30	2.65	-1.00	.87	1.82	-1.32	.50	2.29	-1.81	.34	1.89	-1.39	.47
31	2.83	-.62	1.15	---	---	---	1.62	-1.85	.47	2.59	-1.41	.44
MONTH	4.04	-2.08	1.02	4.30	-1.79	.82	3.61	-3.07	.76	3.80	-3.72	.39

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.77	-1.95	-.15	2.75	-.04	1.50	2.28	-.97	.78	3.37	-.61	1.34
2	.81	-2.70	-.88	2.76	-.42	1.04	2.44	-1.10	.73	3.11	-1.19	1.09
3	2.44	-2.06	.38	1.72	-1.54	.16	2.71	-1.21	.78	3.14	-1.06	1.00
4	3.31	-1.08	1.09	2.52	-1.12	.78	3.29	-.63	1.33	3.37	-.87	1.11
5	2.86	-1.40	.72	3.05	-.87	1.01	3.18	-1.02	.88	3.29	-1.16	.96
6	1.87	-2.62	-.50	2.65	-1.21	.65	3.12	-.99	1.01	3.12	-1.04	.94
7	1.86	-2.46	-.25	2.76	-1.02	.92	3.18	-.79	1.09	3.43	-.63	1.25
8	2.06	-2.57	-.17	2.97	-.90	1.02	3.42	-.12	1.71	3.26	-.62	1.16
9	2.60	-1.78	.54	3.18	-.34	1.46	3.64	-1.79	.59	3.30	-.37	1.37
10	1.96	-1.88	.16	3.18	-1.04	.98	1.53	-1.61	.02	3.60	.10	1.96
11	2.86	-1.08	1.10	3.16	-.05	1.61	2.23	-.81	.87	3.99	-.20	1.66
12	1.84	-1.52	.16	3.70	-.94	1.57	2.99	-1.40	.74	3.20	-.08	1.67
13	2.48	-1.06	.66	2.32	-.85	.56	2.07	-1.47	.57	3.59	-.10	1.81
14	3.03	-.90	1.28	2.52	-.70	1.00	2.39	-1.17	.67	3.41	-.20	1.67
15	1.93	-1.80	.24	2.57	-.80	.92	2.51	-1.13	.83	3.15	-.30	1.49
16	2.84	-1.34	.85	2.71	-.86	.97	2.83	-.88	1.01	3.38	-.46	1.37
17	1.63	-1.92	-.04	2.53	-1.40	.58	3.98	-.92	1.43	3.37	-.58	1.30
18	2.65	-1.57	.64	3.22	-1.44	1.06	4.01	-.06	1.91	3.09	-.37	1.36
19	3.14	-1.14	.88	3.61	-.58	1.52	3.94	-.27	1.79	3.61	-.60	1.22
20	3.14	-1.02	1.02	4.02	-.23	1.85	3.64	-.11	1.71	3.66	-.07	1.63
21	2.27	-1.51	.36	4.01	-.06	1.87	3.76	.12	2.04	3.66	-.07	1.60
22	2.21	-1.44	.44	3.94	-.41	1.71	4.06	.34	2.00	3.15	-.16	1.38
23	2.16	-1.21	.52	3.35	-.74	1.20	3.46	.28	1.66	3.27	.19	1.64
24	2.06	-1.30	.36	2.54	-.87	.72	2.84	.01	1.18	3.50	.49	1.85
25	1.90	-.88	.63	2.50	-.55	.96	2.73	.15	1.62	3.36	.34	1.59
26	2.66	-.58	1.09	2.63	-.42	.91	3.84	.96	2.20	2.70	-.31	1.19
27	1.93	-.54	.67	2.35	-.13	1.25	3.24	.36	1.84	2.38	-.51	1.11
28	2.40	-.32	.78	3.56	.46	1.91	2.52	-.30	1.17	2.72	-.48	1.25
29	1.66	-.84	.43	2.79	.13	1.25	2.75	-.07	1.46	3.23	-.42	1.58
30	---	---	---	2.05	-.35	.89	2.73	-.93	1.11	3.56	-.56	1.64
31	---	---	---	2.32	-.56	.87	---	---	---	3.35	-1.11	1.22
MONTH	3.31	-2.70	.45	4.02	-1.54	1.12	4.06	-1.79	1.22	3.99	-1.19	1.40

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3.30	-1.01	1.21	3.51	-1.14	1.15	3.80	-.60	1.58	2.98	-.80	1.17
2	3.70	-.83	1.24	3.55	-1.03	1.19	3.72	-.46	1.54	2.91	-.67	1.21
3	3.58	-1.38	.99	3.53	-.92	1.21	3.52	-.42	1.45	3.19	-.37	1.46
4	3.41	-.83	1.13	3.43	-.80	1.21	3.26	-.59	1.25	2.92	-.68	1.30
5	3.54	-.67	1.27	3.38	-.75	1.20	2.77	-.74	1.16	3.23	-.42	1.28
6	3.80	-.34	1.62	3.15	-.64	1.26	2.94	-.68	1.31	2.74	-.27	1.28
7	3.95	.80	2.28	2.99	-.81	1.09	2.66	-.65	1.18	2.54	-.36	1.06
8	3.73	.26	1.84	2.52	-.97	.97	2.44	-.82	.90	2.32	-.57	.83
9	3.08	-.32	1.35	2.80	-.87	1.16	2.76	-.41	1.13	2.55	-.61	.80
10	2.62	-.71	1.13	2.67	-.70	1.17	2.76	-.66	1.04	3.04	-.58	1.13
11	2.77	-.75	1.13	2.86	-.61	1.06	3.07	-.40	1.15	3.16	-.36	1.28
12	3.30	-.32	1.50	2.83	-.75	.96	3.86	-.20	1.65	3.17	-.39	1.30
13	3.54	-.38	1.55	3.27	-.65	1.10	3.79	.27	1.92	2.94	-.72	1.18
14	3.48	-.22	1.50	3.36	-.38	1.35	3.38	-.08	1.69	3.48	-.57	1.41
15	3.35	-.49	1.36	3.73	.00	1.85	3.55	-.40	1.46	3.43	-.25	1.68
16	3.20	-.50	1.25	3.53	.11	1.72	3.48	-.60	1.38	3.05	-.52	1.25
17	3.00	-.77	1.00	3.48	-.02	1.60	2.95	-.67	1.10	2.68	-.84	.98
18	2.91	-.81	.83	3.48	-.11	1.47	3.01	-.52	1.30	2.28	-1.26	.68
19	2.94	-.66	.93	2.92	-.63	1.14	2.91	-.55	1.22	2.84	-.93	1.06
20	2.84	-.59	.91	2.98	-.50	1.26	2.71	-.77	1.03	2.60	-.91	.90
21	2.75	-.56	1.23	3.21	-.32	1.46	2.40	-.97	.83	2.70	-.82	1.05
22	3.15	-.49	1.19	2.91	-.61	1.17	2.59	-1.13	.84	2.49	-1.08	.67
23	2.69	-.61	1.05	2.49	-.83	.99	3.06	-.74	1.18	2.95	-.88	1.01
24	2.51	-.74	1.07	2.52	-.91	1.02	2.83	-.95	.97	2.79	-.77	1.13
25	2.73	-.69	1.29	3.02	-.61	1.39	2.96	-.98	1.03	3.08	-1.01	.98
26	2.61	-.95	1.07	3.27	-.62	1.43	3.25	-.99	1.15	3.95	-.47	1.87
27	2.57	-1.00	.99	3.37	-.73	1.45	3.27	-.91	1.22	3.58	-.39	1.74
28	3.23	-1.04	1.08	3.67	-.65	1.45	3.33	-1.00	1.15	3.13	-.97	1.15
29	3.69	-.79	1.38	3.63	-.72	1.45	3.67	-.67	1.42	3.01	-.92	1.11
30	3.49	-1.01	1.32	3.58	-.86	1.36	3.54	-.84	1.29	2.97	-.79	1.18
31	---	---	---	3.84	-.66	1.48	3.20	-.77	1.17	---	---	---
MONTH	3.95	-1.38	1.26	3.84	-1.14	1.28	3.86	-1.13	1.25	3.95	-1.26	1.17

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.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 12,600 µS/cm, Sept. 23, 1995; minimum, 102 µS/cm, May 30, 1996.
WATER TEMPERATURE: Maximum, 28.5°C, Aug. 1, 1999; minimum, 0.0°C on many days during winter periods, except 1998.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 5,230 µS/cm, Nov. 20; minimum, 172 µS/cm, May 30.
WATER TEMPERATURE: Maximum, 25.5°C, Aug. 10, 11; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	309	267	279	512	326	386	403	287	327	594	337	414
2	291	261	272	1560	334	566	518	302	357	503	323	374
3	275	257	265	1500	345	585	335	274	299	444	303	347
4	273	255	261	387	258	285	324	266	289	1030	296	495
5	273	254	260	299	258	273	303	260	273	682	249	320
6	274	254	259	313	262	274	329	259	277	334	247	260
7	270	252	256	282	263	271	282	254	264	261	244	249
8	264	254	257	308	264	275	304	256	266	298	245	253
9	270	254	258	339	265	284	280	254	260	257	245	248
10	274	253	257	303	267	277	308	259	270	263	247	251
11	264	253	256	288	267	275	278	253	259	258	246	250
12	265	253	257	303	273	284	278	253	260	259	249	253
13	297	256	258	290	273	280	286	259	269	270	251	256
14	312	254	285	306	273	284	804	244	357	265	256	259
15	317	254	279	302	273	284	1700	271	611	269	257	260
16	306	256	278	1020	275	449	2520	516	1220	265	256	260
17	303	255	265	3190	314	1360	2220	458	1300	273	259	265
18	297	252	258	3760	1590	2650	3200	740	1910	270	262	265
19	980	254	430	4760	1810	3290	3830	1680	2700	274	263	267
20	1440	273	840	5230	2830	4100	4060	1690	2930	358	267	281
21	2630	483	1430	5190	2260	3720	3700	1280	2510	303	270	279
22	3860	1100	2390	4930	2240	3610	2810	1070	1720	282	271	277
23	4170	1360	2780	4750	2220	3380	2330	902	1360	295	271	279
24	3200	967	1910	4530	2050	3190	1500	637	936	384	279	306
25	2320	742	1260	4080	1950	2800	1330	557	797	416	284	313
26	1800	620	1030	4020	1890	2730	1200	541	802	333	284	298
27	1120	472	701	3450	1420	2550	726	421	552	287	270	280
28	1340	434	656	1920	674	1330	850	423	566	300	232	272
29	777	398	555	927	431	657	818	441	535	287	200	242
30	713	376	477	558	319	413	657	358	453	333	272	286
31	662	384	466	---	---	---	484	313	392	433	273	306
MONTH	4170	252	635	5230	258	1370	4060	244	817	1030	200	289

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

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	450	270	337	299	277	287	257	233	245	436	191	220
2	799	306	481	301	293	296	256	237	245	611	189	242
3	1740	458	1060	304	287	293	258	235	242	299	193	209
4	2530	1480	1940	296	286	290	266	237	248	278	196	213
5	2430	1230	1920	321	274	286	260	232	243	295	200	222
6	1810	450	1050	285	263	273	260	227	240	275	198	219
7	1550	489	1000	285	259	268	251	227	239	312	199	208
8	1580	415	967	268	250	259	253	222	236	246	200	208
9	1730	683	1340	264	242	253	243	199	221	256	198	206
10	1450	549	1000	255	230	240	225	189	206	223	198	203
11	1710	622	1220	241	226	233	232	189	211	205	191	197
12	960	496	683	235	215	225	238	189	206	193	186	190
13	1070	494	737	230	217	222	239	199	212	191	181	184
14	1350	510	807	234	222	228	260	208	224	183	180	181
15	780	311	475	253	227	233	252	208	224	193	180	187
16	1100	324	519	268	231	243	252	205	223	201	188	197
17	518	278	325	275	237	249	243	205	222	202	198	200
18	487	283	325	266	242	250	242	192	214	209	199	201
19	456	286	326	272	244	249	227	185	203	220	199	205
20	455	286	328	274	245	251	211	183	192	225	199	209
21	330	274	295	261	235	243	225	184	195	228	205	214
22	337	275	290	241	232	235	223	186	201	212	202	206
23	312	274	289	239	226	231	238	202	212	223	199	206
24	294	272	281	232	222	226	237	209	219	237	196	209
25	285	272	278	241	221	226	238	216	221	218	194	204
26	283	269	276	242	220	228	270	219	235	196	189	192
27	276	262	267	257	219	232	262	215	233	212	182	190
28	268	259	263	263	222	240	253	202	217	204	177	189
29	282	258	267	250	219	230	232	198	207	204	176	185
30	---	---	---	251	218	229	228	193	203	178	172	174
31	---	---	---	255	220	238	---	---	---	177	173	174
MONTH	2530	258	667	321	215	248	270	183	221	611	172	201

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	184	173	176	225	216	218	723	275	346	283	226	240
2	190	176	179	245	218	223	511	273	319	268	225	237
3	197	180	183	264	220	228	423	270	298	269	224	235
4	199	182	186	271	223	231	311	257	276	240	220	226
5	204	186	189	279	225	235	281	250	265	246	219	224
6	205	188	191	273	228	237	284	250	260	242	220	226
7	210	190	197	260	229	237	270	248	255	364	220	236
8	211	196	206	257	231	237	272	246	256	662	220	284
9	214	189	197	268	232	240	261	246	251	1110	223	486
10	213	189	192	254	234	239	261	245	250	1710	294	865
11	192	185	188	283	234	239	263	243	248	2070	483	1110
12	188	181	184	577	235	255	265	244	249	2050	536	1260
13	185	177	180	1370	236	403	256	245	250	2170	470	1070
14	181	177	178	1720	307	862	262	245	252	1600	474	859
15	198	178	182	2250	504	1270	255	242	247	1510	425	814
16	193	181	187	1840	259	683	465	240	267	922	345	536
17	200	187	194	442	243	276	263	224	235	603	306	406
18	225	196	204	257	242	246	238	225	228	464	277	330
19	204	198	203	252	243	245	233	225	228	585	272	344
20	212	201	204	249	243	245	233	225	228	376	262	298
21	209	203	205	251	243	246	232	226	228	346	260	287
22	212	204	206	256	246	249	241	226	228	442	249	271
23	212	204	206	254	247	251	251	226	231	601	253	290
24	212	205	207	267	250	253	242	227	230	405	254	290
25	212	207	208	269	251	260	245	225	229	371	253	280
26	214	208	209	340	254	262	253	224	229	550	266	341
27	217	208	211	413	253	268	253	222	228	499	258	331
28	215	210	212	609	256	286	253	222	228	411	244	284
29	219	210	213	676	259	309	269	223	233	419	244	279
30	221	214	216	805	269	334	295	225	239	401	252	294
31	---	---	---	749	271	350	291	227	238	---	---	---
MONTH	225	173	196	2250	216	326	723	222	250	2170	219	441

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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	13.5	14.0	8.5	7.5	8.0	3.0	2.5	3.0
2	19.5	19.5	19.5	15.0	13.5	14.0	8.5	7.5	8.0	3.0	2.5	2.5
3	19.5	19.5	19.5	15.0	13.5	14.0	7.5	7.0	7.0	3.0	2.5	3.0
4	19.5	19.0	19.0	14.0	13.5	13.5	7.5	7.0	7.0	3.5	3.0	3.0
5	19.0	18.5	19.0	13.5	13.0	13.5	7.0	7.0	7.0	3.5	3.0	3.5
6	19.0	18.0	18.5	13.5	13.0	13.0	7.0	7.0	7.0	3.5	3.0	3.0
7	18.5	17.5	18.0	13.0	12.5	12.5	7.5	7.0	7.0	3.0	2.5	3.0
8	18.0	17.0	17.5	13.0	12.0	12.5	7.0	7.0	7.0	3.0	2.0	2.5
9	18.0	17.0	17.5	13.0	12.0	12.5	7.0	7.0	7.0	2.5	2.0	2.5
10	17.5	17.0	17.0	12.5	12.0	12.0	7.0	6.5	7.0	2.5	2.0	2.5
11	17.5	17.0	17.0	12.0	11.5	12.0	7.0	6.0	6.5	2.5	2.0	2.5
12	17.0	17.0	17.0	12.0	11.0	11.5	6.5	6.0	6.0	2.0	1.5	2.0
13	17.0	17.0	17.0	11.5	11.0	11.5	6.5	6.0	6.5	2.0	1.5	1.5
14	17.0	16.5	16.5	11.5	11.0	11.0	6.5	6.0	6.0	1.5	.5	1.0
15	16.5	16.0	16.5	11.0	10.5	10.5	6.5	6.0	6.0	1.0	.5	.5
16	16.5	16.0	16.5	10.5	10.0	10.0	6.5	6.0	6.0	1.5	.5	.5
17	16.5	16.0	16.5	10.0	9.0	9.5	6.0	5.5	5.5	.5	.0	.0
18	16.5	16.0	16.0	10.0	9.5	10.0	6.0	5.5	5.5	.5	.0	.0
19	16.0	16.0	16.0	10.0	9.5	10.0	6.0	5.5	5.5	.0	.0	.0
20	16.0	15.5	16.0	10.5	9.5	10.0	6.0	5.5	5.5	.0	.0	.0
21	16.0	15.5	15.5	10.5	9.5	10.0	6.0	5.0	5.5	.0	.0	.0
22	16.0	15.5	15.5	10.5	10.0	10.0	5.5	5.0	5.0	.0	.0	.0
23	16.0	15.0	15.5	10.5	10.0	10.0	5.5	4.5	5.0	.0	.0	.0
24	15.5	15.0	15.0	10.5	10.0	10.5	5.0	4.0	4.5	.0	.0	.0
25	15.0	14.5	15.0	10.5	10.0	10.5	4.5	4.0	4.0	.0	.0	.0
26	15.0	14.5	14.5	10.5	10.0	10.5	4.0	3.5	4.0	.0	.0	.0
27	14.5	14.0	14.5	10.5	10.5	10.5	4.0	3.0	3.5	.0	.0	.0
28	14.5	14.0	14.0	10.5	10.0	10.0	3.5	3.0	3.5	.0	.0	.0
29	14.0	13.5	14.0	10.0	9.5	9.5	3.5	3.0	3.0	.0	.0	.0
30	14.0	13.5	14.0	9.5	8.5	9.0	3.0	2.5	3.0	.0	.0	.0
31	14.0	13.5	14.0	---	---	---	3.0	2.5	3.0	.0	.0	.0
MONTH	20.0	13.5	16.5	15.0	8.5	11.5	8.5	2.5	5.5	3.5	.0	1.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	.5	.5	.5	7.5	6.5	7.0	10.5	10.0	10.5
2	.0	.0	.0	1.0	.5	.5	7.5	7.0	7.0	11.5	10.0	10.5
3	.0	.0	.0	1.0	.5	.5	8.0	7.5	7.5	11.5	10.5	10.5
4	.0	.0	.0	1.0	.5	1.0	8.5	7.5	8.0	11.5	10.5	11.0
5	.0	.0	.0	1.0	1.0	1.0	9.0	8.5	8.5	12.0	11.0	11.5
6	.0	.0	.0	1.5	1.0	1.0	9.0	8.5	8.5	12.5	11.5	12.0
7	.0	.0	.0	1.5	1.0	1.0	9.0	8.5	8.5	12.5	12.0	12.0
8	.5	.0	.0	2.0	1.5	1.5	9.0	8.5	9.0	13.0	12.5	12.5
9	.0	.0	.0	2.0	1.5	2.0	9.0	8.0	8.5	14.0	13.0	13.5
10	.0	.0	.0	3.0	2.0	2.5	8.5	7.5	8.0	14.0	13.5	13.5
11	.0	.0	.0	3.0	2.5	2.5	8.0	7.5	7.5	14.5	13.5	14.0
12	.0	.0	.0	3.0	3.0	3.0	8.0	7.5	7.5	14.5	14.0	14.5
13	.0	.0	.0	3.5	2.5	3.0	8.5	7.5	8.0	15.0	14.5	14.5
14	.0	.0	.0	4.0	3.0	3.5	8.5	7.5	8.0	15.5	14.5	15.0
15	.0	.0	.0	4.5	3.5	4.0	9.0	8.0	8.5	16.0	15.0	15.5
16	.0	.0	.0	5.0	4.0	4.5	9.5	8.5	9.0	17.0	15.5	16.5
17	.0	.0	.0	5.0	4.5	5.0	9.0	9.0	9.0	17.5	16.5	17.0
18	.0	.0	.0	5.0	4.0	4.5	9.0	8.5	8.5	17.5	17.0	17.5
19	.0	.0	.0	5.0	4.5	4.5	8.5	8.0	8.5	18.0	17.5	17.5
20	.0	.0	.0	5.0	4.5	5.0	8.5	8.0	8.5	17.5	17.0	17.5
21	.0	.0	.0	5.0	5.0	5.0	8.5	8.5	8.5	17.5	16.5	17.0
22	.0	.0	.0	5.0	5.0	5.0	8.5	8.0	8.5	17.0	16.5	16.5
23	.0	.0	.0	5.5	5.0	5.0	8.5	8.0	8.0	16.5	16.0	16.5
24	.5	.0	.0	5.5	5.0	5.5	9.0	8.0	8.0	16.5	16.0	16.5
25	.5	.0	.5	6.0	5.5	5.5	9.0	8.0	8.5	16.5	16.0	16.5
26	.5	.5	.5	6.0	5.5	5.5	9.5	9.0	9.0	17.0	16.0	16.5
27	.5	.5	.5	6.0	5.5	6.0	10.0	9.5	9.5	17.0	16.0	16.0
28	1.0	.5	1.0	6.5	6.0	6.0	10.0	9.5	9.5	16.5	16.0	16.0
29	.5	.5	.5	6.5	6.0	6.0	10.5	9.5	10.0	16.5	16.0	16.0
30	---	---	---	6.0	6.0	6.0	11.0	10.0	10.0	17.0	16.0	16.0
31	---	---	---	6.5	6.0	6.5	---	---	---	17.0	16.0	16.5
MONTH	1.0	.0	.0	6.5	.5	3.5	11.0	6.5	8.5	18.0	10.0	14.5

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

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 mi^2.

ELEVATION RECORDS

PERIOD OF RECORD.--December 1996 to current year.
GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below sea level (Orange and Rockland Utilities, Inc. benchmark). Gage-height record converted to elevation above or below(-) mean sea level for publication.
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 YEAR.--Maximum elevation, 4.45 ft, Nov. 3; minimum, -3.33 ft, Jan. 17.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.58	-.55	1.54	2.73	-.74	.97	2.51	-1.14	.93	2.79	-.74	.97
2	3.23	-.65	1.42	4.31	-.58	2.16	3.73	-.27	1.86	2.35	-1.31	.81
3	2.80	-.54	1.25	4.45	-.39	1.95	2.61	-.88	1.04	2.57	-.89	.71
4	2.87	-.64	1.27	1.69	-1.62	.13	2.98	-.71	1.05	2.83	-.92	1.17
5	3.55	-.72	1.53	2.32	-1.55	.40	2.95	-.85	1.17	1.93	-2.01	.07
6	3.31	-.40	1.44	2.15	-1.45	.42	3.21	-.52	1.20	2.77	-1.23	.77
7	2.87	-1.21	.86	2.54	-1.32	.44	2.41	-1.24	.55	2.98	-.92	.75
8	3.28	-.79	1.15	3.03	-.93	.97	2.50	-1.38	.52	1.90	-2.02	.07
9	3.10	-.90	1.09	3.36	-.64	1.30	2.50	-1.30	.59	2.74	-1.18	.67
10	2.93	-.99	1.05	2.87	-.89	.95	3.26	-.58	1.15	3.24	-.86	1.45
11	3.04	-.86	.96	2.71	-.90	1.09	1.81	-2.91	-.94	3.11	-1.05	1.05
12	2.85	-.94	.94	3.21	-.23	1.45	2.11	-2.00	.13	1.19	-2.11	-.44
13	2.93	-.74	1.23	2.87	-.19	1.23	3.18	-.19	1.50	2.62	-1.39	.69
14	3.00	-1.89	.15	3.64	-.06	1.66	3.46	.13	1.98	1.63	-2.57	-.60
15	2.64	-.74	.72	1.98	-.73	.39	3.92	.46	2.14	1.77	-2.02	.12
16	2.58	-.74	.85	1.77	-1.68	.34	3.34	-1.30	1.46	2.81	-2.34	.84
17	2.95	-.02	1.25	2.18	-1.63	.43	1.90	-1.66	.24	.12	-3.33	-1.49
18	2.12	-1.00	.73	2.51	-.75	1.03	2.28	-1.90	.43	3.03	-1.72	1.23
19	3.32	.03	1.73	2.91	-1.23	.92	2.71	-1.13	.91	3.53	-.59	1.36
20	2.89	-.37	1.40	2.88	-.90	1.08	3.51	-1.06	1.46	3.86	-.66	1.66
21	3.37	-.70	1.28	2.83	-1.13	.89	3.69	-.79	1.24	3.16	-1.30	.75
22	4.37	-.42	1.94	3.07	-1.17	.98	3.15	-1.34	.91	1.71	-2.61	-.48
23	4.23	-.08	1.87	3.31	-1.07	1.01	3.37	-1.25	.99	2.47	-2.32	.20
24	3.48	-.69	1.34	3.36	-1.13	1.06	2.87	-1.58	.65	3.29	-.78	1.25
25	3.27	-1.04	1.18	3.22	-.98	1.03	3.14	-1.24	.86	3.97	-.38	1.81
26	3.48	-.86	1.22	3.52	-.89	1.33	3.28	-.84	1.08	3.20	-1.76	.73
27	3.29	-1.06	.99	3.53	-.20	1.53	2.10	-1.50	.34	2.00	-2.09	.16
28	3.60	-.81	1.30	2.78	-.93	.87	2.82	-.93	.95	1.39	-2.55	-.74
29	3.05	-.75	1.05	2.47	-.96	.73	3.02	-.94	1.04	1.39	-2.52	-.04
30	2.93	-.89	1.03	2.10	-1.14	.67	2.58	-1.68	.47	2.07	-1.19	.65
31	3.11	-.51	1.30	---	---	---	1.88	-1.68	.67	2.78	-1.22	.59
MONTH	4.37	-1.89	1.20	4.45	-1.68	.98	3.92	-2.91	.92	3.97	-3.33	.54

01374349 HUDSON RIVER AT TOMKINS COVE, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.88	-1.78	-.01	2.90	.07	1.65	2.56	-.86	.96	3.65	-.57	1.47
2	.96	-2.77	-.85	3.01	-.45	1.19	2.75	-1.03	.89	3.40	-1.06	1.26
3	2.27	-2.20	.26	1.93	-1.40	.35	2.99	-1.10	.96	3.46	-.95	1.16
4	3.16	-.84	1.11	2.78	-1.02	.96	3.62	-.56	1.49	3.65	-.80	1.27
5	2.99	-1.22	.87	3.37	-.78	1.17	2.94	-.85	1.01	3.38	-1.01	1.13
6	1.81	-2.45	-.37	2.93	-1.07	.85	3.50	-.88	1.16	3.65	-.90	1.12
7	1.97	-2.25	-.12	3.10	-.85	1.10	3.57	-.69	1.24	3.74	-.48	1.41
8	2.09	-2.35	-.04	3.40	-.73	1.18	3.76	-.07	1.84	3.60	-.52	1.32
9	2.41	-1.56	.49	3.49	-.24	1.62	3.98	-1.63	.73	3.59	-.23	1.53
10	2.09	-1.64	.32	3.50	-.90	1.14	1.86	-1.50	.15	3.84	.14	2.12
11	2.98	-.77	1.22	3.40	.00	1.76	2.47	-.72	1.02	4.26	-.03	1.82
12	2.01	-1.25	.32	4.00	-.75	1.68	3.31	-1.30	.89	3.49	.00	1.84
13	2.58	-.83	.81	2.62	-.74	.71	2.38	-1.30	.75	3.86	-.02	1.99
14	3.17	-.65	1.42	2.76	-.42	1.14	2.65	-1.05	.84	3.70	-.10	1.82
15	2.15	-1.53	.41	2.87	-.68	1.08	2.84	-1.03	1.01	3.45	-.20	1.65
16	2.85	-1.17	1.01	3.03	-.74	1.13	3.18	-.78	1.20	3.64	-.36	1.55
17	1.79	-1.61	.16	2.94	-1.26	.79	4.26	-.79	1.65	3.65	-.49	1.47
18	2.72	-1.35	.84	3.57	-1.27	1.29	4.39	.08	2.10	3.42	-.23	1.51
19	3.29	-.84	1.09	3.96	-.44	1.71	3.93	-.12	1.97	3.96	-.48	1.40
20	3.26	-.74	1.20	4.36	-.10	2.03	4.04	.00	1.87	3.93	.01	1.78
21	2.44	-1.22	.54	4.19	.10	2.05	4.20	.17	2.20	3.95	.01	1.74
22	2.32	-1.15	.61	4.21	-.28	1.87	4.27	.48	2.15	3.43	-.06	1.54
23	2.26	-.92	.68	3.67	-.55	1.36	3.68	.36	1.79	3.54	.26	1.79
24	2.17	-1.03	.53	2.87	-.73	.89	3.01	.10	1.32	3.74	.58	1.99
25	1.98	-.62	.80	2.72	-.48	1.10	2.94	.23	1.78	3.55	.44	1.74
26	2.79	-.34	1.23	2.91	-.29	1.07	4.06	1.06	2.36	2.92	-.21	1.34
27	2.02	-.17	.82	2.60	-.04	1.40	3.44	.42	1.98	2.66	-.42	1.27
28	2.49	-.36	.90	3.81	.48	2.06	2.78	-.18	1.32	3.02	-.39	1.44
29	1.75	-.66	.57	3.04	.14	1.38	2.97	.00	1.61	3.52	-.33	1.77
30	---	---	---	2.28	-.23	1.05	3.07	-.81	1.27	3.87	-.43	1.84
31	---	---	---	2.56	-.52	1.04	---	---	---	3.70	-.97	1.41
MONTH	3.29	-2.77	.58	4.36	-1.40	1.28	4.39	-1.63	1.38	4.26	-1.06	1.56

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3.71	-.84	1.41	3.89	-.97	1.36	4.05	-.48	1.74	3.38	-.66	1.36
2	4.04	-.71	1.45	3.94	-.88	1.38	4.03	-.32	1.69	3.29	-.55	1.39
3	3.60	-1.21	1.18	3.79	-.77	1.39	3.90	-.38	1.59	3.56	-.21	1.63
4	3.91	-.71	1.31	3.79	-.64	1.39	3.52	-.49	1.42	3.22	-.46	1.47
5	3.93	-.52	1.46	3.76	-.60	1.37	3.09	-.62	1.33	3.50	.04	1.50
6	4.20	-.20	1.79	3.49	-.56	1.44	3.23	-.54	1.48	3.03	-.13	1.47
7	4.06	.83	2.34	3.36	-.66	1.27	3.01	-.51	1.35	2.74	-.24	1.22
8	3.96	.35	1.94	2.90	-.86	1.16	2.74	-.65	1.09	2.57	-.49	.97
9	3.37	-.25	1.49	3.14	-.73	1.35	3.05	-.27	1.31	2.87	-.56	.95
10	2.94	-.60	1.31	2.96	-.57	1.34	3.08	-.55	1.25	3.27	-.47	1.30
11	3.08	-.62	1.31	3.18	-.50	1.25	3.36	-.29	1.35	3.44	-.26	1.42
12	3.58	-.22	1.70	3.10	-.66	1.13	4.09	-.10	1.85	3.49	-.31	1.44
13	3.86	-.26	1.74	3.58	-.57	1.25	4.05	.42	2.09	3.26	-.62	1.34
14	3.80	-.12	1.67	3.65	-.37	1.49	3.49	.11	1.85	3.82	-.49	1.57
15	3.68	-.36	1.54	3.98	.04	1.99	3.88	-.34	1.62	3.56	-.16	1.82
16	3.53	-.38	1.42	3.76	.14	1.85	3.47	-.45	1.51	3.36	-.40	1.40
17	2.92	-.63	1.17	3.75	.05	1.75	3.32	-.62	1.26	3.00	-.71	1.11
18	3.27	-.71	1.02	3.58	-.05	1.62	3.32	-.43	1.46	2.56	-1.11	.83
19	3.21	-.57	1.10	3.36	-.52	1.32	3.17	-.42	1.39	3.08	-.79	1.22
20	3.12	-.52	1.08	3.36	-.37	1.44	3.04	-.61	1.20	2.88	-.74	1.06
21	3.10	-.50	1.38	3.52	-.25	1.63	2.74	-.82	1.01	3.01	-.73	1.20
22	3.46	-.39	1.35	3.26	-.49	1.34	2.90	-.99	1.03	2.78	-.96	.86
23	2.99	-.53	1.21	2.81	-.67	1.18	3.35	-.60	1.35	3.21	-.70	1.21
24	2.82	-.61	1.25	2.85	-.71	1.22	3.15	-.78	1.17	3.18	-.59	1.32
25	3.03	-.58	1.46	3.38	-.45	1.57	3.32	-.80	1.24	3.41	-.89	1.22
26	2.96	-.81	1.26	3.54	-.43	1.63	3.60	-.83	1.37	4.29	-.37	2.11
27	2.93	-.88	1.18	3.66	-.58	1.64	3.64	-.73	1.43	3.93	-.27	1.91
28	3.61	-.89	1.29	4.03	-.52	1.64	3.69	-.84	1.38	3.50	-.77	1.34
29	4.08	-.68	1.60	3.97	-.60	1.63	4.04	-.55	1.64	3.39	-.77	1.30
30	3.90	-.87	1.54	3.94	-.71	1.55	3.59	-.67	1.49	3.31	-.64	1.35
31	---	---	---	4.15	-.53	1.66	3.46	-.66	1.36	---	---	---
MONTH	4.20	-1.21	1.43	4.15	-.97	1.46	4.09	-.99	1.43	4.29	-1.11	1.34

01374349 HUDSON RIVER AT TOMKINS COVE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1996 to current year.
WATER TEMPERATURE: December 1996 to current year.
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, 16,200 µS/cm, Aug. 27, 1999; minimum recorded, 163 µS/cm, Dec. 15, 16, 1996, 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 YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 10,100 µS/cm, Nov. 22; minimum, 177 µS/cm, May 15.
WATER TEMPERATURE: Maximum, 27.5°C, Aug. 10; minimum, 0.0°C on several days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	900	388	503	4110	1750	2760	2800	988	1570	3700	1430	2150
2	648	346	454	4780	1790	3150	3890	1170	2160	3710	1210	2320
3	471	338	403	4500	1730	3150	4080	867	2100	4150	1350	2620
4	445	337	388	2380	661	1260	4150	1220	2480	4700	1690	3310
5	500	323	368	1570	565	931	4210	1050	2480	4650	1240	2790
6	433	329	373	1550	510	836	4140	1310	2610	4020	1020	2330
7	405	297	356	1520	436	688	3460	777	1790	3690	714	1960
8	458	280	324	1930	470	813	2700	697	1380	1840	469	895
9	522	288	337	1820	509	956	2370	589	1170	2170	459	1080
10	397	285	324	1260	462	767	2400	683	1330	2000	478	1050
11	377	279	303	1120	415	596	1140	321	611	1350	353	734
12	326	275	295	1560	479	795	1670	315	748	353	266	298
13	324	271	288	1880	452	779	2340	767	1390	311	260	280
14	337	276	289	2850	556	1620	4680	758	2430	275	256	263
15	331	268	289	4080	891	1870	6660	2870	4050	305	255	273
16	314	271	286	5370	1830	3340	7100	4080	5500	813	262	364
17	632	277	332	7390	3220	5310	7580	4500	6030	691	260	295
18	3130	356	1120	8210	5130	6710	7830	4460	6270	2210	266	977
19	4940	1760	3140	9440	6170	7620	8320	5580	6830	3240	546	1470
20	6920	2840	4490	9830	7190	8470	8230	5650	7010	4950	722	2410
21	8010	4110	5690	10000	7030	8480	8180	4770	6630	4990	913	2430
22	8490	5470	6970	10100	6850	8370	7200	4090	5460	2630	614	1370
23	9480	6280	7870	9900	6510	8110	6590	3520	4930	3100	696	1590
24	9170	4910	6920	9570	6070	7770	5410	2690	3900	3690	1280	2280
25	7980	4120	5930	8980	5590	7230	4980	2440	3530	3320	1350	2210
26	7400	3670	5470	8680	5410	6880	5110	2280	3740	3210	820	1760
27	6450	2710	4420	8620	4410	6720	3810	1740	2650	2420	765	1540
28	6080	2700	4230	6080	2640	4490	4210	1700	2680	1810	894	1310
29	5410	2030	3780	4380	2170	3100	4020	2040	2740	2170	840	1460
30	5030	2030	3330	3640	1490	2160	3530	1480	2230	2700	1040	1800
31	4610	2120	3320	---	---	---	2940	1110	2000	3210	1290	2010
MONTH	9480	268	2340	10100	415	3860	8320	315	3240	4990	255	1540

01374349 HUDSON RIVER AT TOMKINS COVE, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3500	1010	2070	258	244	248	1420	294	577	4730	1650	3040
2	3900	1750	2610	276	251	262	1620	304	752	4730	1540	3170
3	4620	1980	3260	294	271	276	1620	306	719	4590	1270	2710
4	5500	3190	4080	311	277	283	1500	318	627	4100	977	2060
5	5740	3540	4440	323	270	295	606	268	322	3480	534	1460
6	5680	2940	3980	335	266	284	364	257	291	2460	498	1070
7	5200	3100	4050	288	256	273	319	253	286	2240	463	991
8	4710	2660	3630	281	260	268	327	253	279	1620	413	688
9	5110	3040	3970	285	253	264	315	252	272	1110	363	512
10	4460	2770	3400	262	239	251	283	243	261	804	300	466
11	5030	3070	3920	250	233	241	288	229	256	612	262	356
12	3880	2270	2990	236	217	228	267	216	238	310	214	243
13	4140	2230	3050	226	205	212	248	196	222	248	195	215
14	4880	2250	3230	217	203	207	224	198	204	252	184	207
15	4160	1860	2800	223	205	209	225	201	206	235	177	198
16	4980	1900	3340	229	209	213	232	207	213	204	180	185
17	3580	1280	2290	221	213	217	251	212	219	221	184	189
18	3970	1340	2440	229	219	223	251	215	225	218	188	193
19	3650	1280	2250	238	224	229	252	206	220	245	193	204
20	3210	1020	2030	240	232	235	244	203	213	270	195	216
21	2460	705	1400	258	236	244	228	203	214	239	196	212
22	2100	634	1180	263	251	257	220	195	206	241	199	210
23	1880	540	1060	262	251	256	221	197	205	248	198	206
24	1520	441	773	257	248	252	237	212	219	226	200	208
25	1050	403	576	251	242	247	243	214	221	221	193	203
26	730	296	421	261	238	244	238	218	226	219	186	197
27	323	256	277	270	238	246	725	227	297	219	184	190
28	284	239	256	352	232	261	1630	271	671	224	184	192
29	281	241	250	687	234	360	2950	624	1330	557	181	227
30	---	---	---	839	247	391	3880	1070	2050	1590	194	422
31	---	---	---	890	259	415	---	---	---	2080	234	762
MONTH	5740	239	2410	890	203	261	3880	195	408	4730	177	690

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2080	278	809	1950	281	695	4900	1580	3080	1650	429	849
2	2040	286	757	2220	342	771	4490	1230	2610	1510	426	786
3	1750	268	555	2050	389	854	3650	892	2050	1290	419	679
4	1260	270	468	1980	416	857	2670	697	1320	965	345	530
5	895	270	435	1690	417	758	1390	531	820	1380	318	493
6	872	258	403	1680	414	739	1340	451	713	2420	342	903
7	277	222	245	1460	400	658	958	423	582	2900	809	1680
8	278	223	247	1280	374	591	622	374	477	3190	1370	2230
9	290	232	254	2330	376	874	648	363	438	4720	2110	3040
10	260	215	237	2670	629	1400	551	327	393	5600	3060	3990
11	241	208	221	3600	861	1930	1340	346	509	6110	3540	4740
12	241	207	217	4610	1270	2620	2680	491	1110	6420	4040	5230
13	229	202	212	5270	2190	3670	3380	642	1680	6540	3300	5160
14	215	198	207	5920	3480	4680	4000	1000	2250	6710	3580	5020
15	227	198	209	6620	4260	5360	4680	1320	2710	6560	3110	4780
16	221	199	207	6660	2240	4240	4690	1510	3110	5830	1940	3750
17	219	205	213	5190	1020	2410	4660	928	2560	4890	1930	3300
18	227	211	220	3550	524	1520	3820	914	2170	4000	1590	2590
19	240	215	226	2210	429	882	3290	628	1540	4240	1630	2860
20	239	224	232	2000	399	835	2440	459	1130	3670	1500	2370
21	240	210	226	1870	442	883	1410	367	702	3370	1410	2270
22	266	222	233	1340	370	652	1300	309	624	2810	765	1650
23	244	228	237	825	328	488	1530	290	711	3150	1050	1860
24	245	232	238	1520	336	626	1270	299	542	2970	909	1890
25	295	222	246	2180	487	1110	1420	294	529	2950	790	1570
26	369	234	257	3380	755	1740	1980	303	668	3800	1070	2130
27	468	240	280	4390	995	2530	1780	327	751	4030	1100	2310
28	1280	226	384	5240	1560	3240	1760	340	703	3820	873	2030
29	1790	257	619	5450	2040	3800	1770	393	804	3590	942	2130
30	1870	256	663	5570	2050	3740	2060	337	837	3700	1140	2240
31	---	---	---	5630	2030	3480	1640	431	812	---	---	---
MONTH	2080	198	332	6660	281	1890	4900	290	1260	6710	318	2500

01374349 HUDSON RIVER AT TOMKINS COVE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.0	20.5	20.5	18.0	15.5	16.5	11.5	9.5	10.0	6.5	5.0	5.5
2	21.0	20.0	20.5	17.5	15.5	16.5	11.0	9.0	10.0	7.0	4.5	5.5
3	21.0	20.0	20.5	18.0	15.5	16.5	10.5	9.0	9.5	6.5	4.5	5.0
4	20.5	19.5	20.0	16.5	14.0	15.0	10.5	8.5	9.5	6.0	4.0	5.0
5	20.0	19.0	19.5	15.5	14.0	14.5	10.5	8.0	9.0	7.0	3.5	4.5
6	19.5	18.5	19.0	15.5	14.0	14.5	10.5	8.5	9.5	5.0	3.5	4.0
7	19.0	18.0	18.5	15.0	13.5	14.5	10.5	7.5	9.0	5.5	3.5	4.0
8	19.0	17.5	18.0	14.5	13.5	14.0	10.0	8.0	8.5	5.0	3.0	4.0
9	18.5	17.5	18.0	15.0	13.0	14.0	10.0	8.0	8.5	5.0	3.5	4.0
10	18.5	17.5	18.0	15.5	13.5	14.5	10.0	8.5	9.0	5.0	4.0	4.5
11	19.0	17.5	18.0	15.5	13.5	14.0	9.5	7.0	8.0	5.5	3.0	4.5
12	18.5	17.5	18.0	15.5	13.0	14.0	8.5	6.5	7.5	6.0	2.5	3.5
13	18.5	17.5	17.5	15.0	13.0	14.0	9.5	7.5	8.0	6.0	2.5	3.5
14	18.0	17.0	17.5	14.5	12.5	13.5	9.0	7.5	8.0	5.5	2.0	2.5
15	18.0	16.5	17.0	14.0	11.5	13.0	8.5	7.0	7.5	4.0	1.5	2.5
16	17.5	16.5	17.0	13.5	11.5	12.0	9.0	6.5	7.5	6.0	2.0	2.5
17	18.0	17.0	17.0	12.5	10.5	11.5	8.5	6.5	7.0	4.0	.5	1.5
18	18.0	16.5	17.0	13.0	10.5	11.5	9.0	6.5	7.5	4.0	.0	1.0
19	17.5	16.5	17.0	12.5	10.5	11.5	8.5	7.0	7.5	3.5	.5	1.0
20	17.5	16.0	16.5	13.5	11.0	11.5	9.5	7.0	7.5	5.0	.5	1.0
21	17.5	16.0	16.5	13.0	11.0	11.5	10.0	7.0	7.5	2.0	.0	1.0
22	18.0	16.0	16.5	13.0	11.0	12.0	9.0	6.0	7.0	2.5	.0	.5
23	17.0	16.0	16.0	13.0	11.0	12.0	8.0	6.0	7.0	2.5	.0	.5
24	17.0	15.5	16.0	13.5	11.5	12.5	8.0	5.5	6.5	1.5	.0	.5
25	17.0	15.5	16.0	13.0	11.5	12.5	7.0	5.5	6.0	3.0	.5	.5
26	16.5	15.5	15.5	13.5	11.5	12.5	8.0	5.5	6.0	3.5	.0	.5
27	16.5	15.0	15.5	14.0	12.0	12.5	7.5	5.0	5.5	3.0	.0	.5
28	16.5	15.0	15.5	13.5	11.0	12.0	7.0	5.0	5.5	3.5	.0	.5
29	17.5	15.0	16.0	13.0	11.0	11.5	7.5	5.0	6.0	4.0	.0	.5
30	16.5	15.0	16.0	12.0	10.5	11.0	7.5	4.5	5.5	3.0	.0	1.0
31	17.5	15.5	16.0	---	---	---	7.0	4.0	5.5	3.0	.5	1.0
MONTH	21.0	15.0	17.5	18.0	10.5	13.0	11.5	4.0	7.5	7.0	.0	2.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.0	.0	1.0	3.0	.5	1.0	8.5	6.5	7.0	13.5	10.0	11.0
2	4.0	.0	.5	4.0	.5	1.0	9.0	6.5	7.0	11.5	10.5	11.0
3	3.0	.0	.5	4.5	.5	1.0	9.0	7.0	7.5	13.0	10.5	11.5
4	3.0	.5	.5	4.5	1.0	1.5	9.0	7.5	8.0	13.5	11.0	12.0
5	2.5	.5	1.0	3.5	1.0	1.5	9.0	8.0	8.5	12.5	11.5	12.0
6	4.0	.0	1.0	6.5	1.0	2.0	10.5	8.0	9.0	14.0	12.0	12.5
7	3.5	.5	1.0	5.0	1.5	2.0	10.5	9.0	9.5	14.0	12.5	13.0
8	3.5	.5	1.0	6.0	1.5	2.5	11.5	9.0	10.0	14.5	13.0	13.5
9	4.0	1.0	1.5	4.5	2.0	2.5	11.0	9.0	9.5	16.0	13.5	14.0
10	4.5	1.0	1.5	6.0	2.0	3.0	10.5	8.5	9.5	15.0	14.0	14.5
11	4.5	1.5	2.0	5.0	2.5	3.0	10.5	8.5	9.5	15.0	14.0	14.5
12	4.5	1.0	1.5	5.5	2.5	3.0	10.0	8.0	9.0	15.0	14.0	14.5
13	5.5	1.0	2.0	6.0	3.0	3.5	10.0	7.5	8.5	15.5	14.5	14.5
14	4.5	1.5	2.0	5.5	3.0	3.5	9.5	8.0	8.5	15.5	14.5	15.0
15	3.5	.5	1.5	6.5	3.5	4.0	10.0	8.0	8.5	15.5	14.5	15.0
16	2.5	.5	1.5	6.0	4.0	4.5	10.0	8.5	9.0	16.5	15.0	15.5
17	3.5	.5	1.0	7.5	4.0	5.0	10.5	9.0	9.0	17.5	16.0	16.5
18	4.5	.5	1.0	6.5	4.0	5.0	10.5	9.0	9.0	18.0	16.5	17.0
19	2.5	.5	1.0	6.5	4.5	5.5	10.0	9.0	9.5	18.0	17.0	17.5
20	3.5	.0	1.0	7.5	5.0	5.5	10.5	9.0	9.5	18.5	17.0	17.5
21	3.5	.0	.5	7.5	5.0	5.5	10.0	9.0	9.0	18.5	17.5	17.5
22	3.5	.0	1.0	7.0	5.0	5.5	10.0	8.5	9.0	18.0	17.5	17.5
23	3.5	.5	1.0	8.0	5.0	6.0	10.0	8.5	8.5	18.5	17.0	17.5
24	4.0	.5	1.0	8.0	5.5	6.5	9.5	8.5	8.5	18.0	17.0	17.5
25	4.0	.5	1.0	8.0	6.0	6.5	9.5	8.5	9.0	18.5	16.5	17.5
26	2.5	.5	1.0	8.0	6.0	6.5	10.5	8.5	9.5	18.0	16.5	17.0
27	3.5	.5	.5	8.0	6.5	7.0	10.0	9.0	9.5	18.5	16.5	17.0
28	5.5	.5	1.0	8.5	6.5	7.0	11.0	9.5	10.0	18.5	16.5	17.5
29	5.0	.5	1.5	8.0	6.5	7.0	12.0	10.0	10.5	18.5	17.0	17.5
30	---	---	---	8.5	6.0	7.0	11.5	10.0	10.5	19.0	17.0	17.5
31	---	---	---	8.0	6.0	6.5	---	---	---	19.0	16.5	17.5
MONTH	5.5	.0	1.0	8.5	.5	4.0	12.0	6.5	9.0	19.0	10.0	15.5

01374349 HUDSON RIVER AT TOMKINS COVE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

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 mi^2.

ELEVATION RECORDS

PERIOD OF RECORD.--April 1997 to current year. Gage height published prior to October 1998.
GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below 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 record converted to elevation above or below(-) mean sea level for publication. 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 YEAR.--Maximum elevation, 4.54 ft, Nov. 3; minimum, -3.44 ft, Jan. 17.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.60	-.66	1.46	2.80	-.76	1.01	2.62	-1.03	.95	2.79	-.97	.94
2	3.23	-.72	1.38	4.27	-.57	2.18	3.73	-.53	1.84	2.35	-1.35	.79
3	2.87	-.69	1.21	4.54	-.65	1.94	2.64	-.89	1.03	2.61	-.93	.71
4	2.91	-.72	1.24	1.76	-1.65	.13	3.03	-.74	1.05	2.87	-.96	1.16
5	3.61	-.80	1.50	2.42	-1.61	.40	3.01	-.88	1.18	1.95	-2.09	.02
6	3.29	-.52	1.39	2.26	-1.45	.46	3.27	-.53	1.21	2.74	-1.31	.71
7	2.91	-1.32	.80	2.68	-1.36	.46	2.48	-1.27	.55	3.01	-.99	.71
8	3.32	-.88	1.09	3.10	-.99	.98	2.55	-1.40	.51	1.96	-2.07	.04
9	3.13	-.97	1.04	3.42	-.69	1.29	2.54	-1.34	.59	2.76	-1.25	.64
10	2.98	-1.09	1.02	2.92	-.92	.97	3.33	-.60	1.15	3.27	-.90	1.44
11	3.09	-.92	.94	2.78	-.87	1.10	1.77	-2.96	-.96	3.14	-1.13	1.01
12	2.89	-1.02	.91	3.26	-.25	1.44	2.30	-2.07	.14	1.20	-2.18	-.45
13	3.01	-.81	1.20	2.96	-.23	1.23	3.24	-.25	1.47	2.73	-1.58	.64
14	3.05	-2.00	.10	3.67	-.08	1.65	3.48	.06	1.97	1.68	-2.76	-.71
15	2.66	-.81	.67	2.13	-.77	.40	4.00	.35	2.12	1.73	-1.87	.01
16	2.59	-.78	.84	1.81	-1.78	.32	3.36	-1.41	1.41	2.77	-2.76	.76
17	2.95	-.02	1.25	2.25	-1.47	.43	1.93	-1.84	.20	.17	-3.44	-1.47
18	2.22	-1.05	.74	2.59	-1.03	1.00	2.32	-1.90	.41	3.00	-1.76	1.22
19	3.34	-.20	1.70	2.96	-1.29	.90	2.74	-1.21	.88	3.46	-.56	1.31
20	2.89	-.42	1.40	2.95	-.95	1.08	3.55	-1.13	1.45	3.72	-.70	1.63
21	3.41	-.81	1.26	2.89	-1.16	.89	3.72	-.82	1.21	3.25	-1.20	.74
22	4.43	-.50	1.92	3.14	-1.22	.98	3.20	-1.39	.88	1.79	-2.56	-.51
23	4.38	-.09	1.85	3.37	-1.13	1.02	3.37	-1.35	.95	2.50	-2.37	.11
24	3.51	-.80	1.32	3.44	-1.18	1.06	2.91	-1.64	.60	3.23	-.88	1.16
25	3.34	-1.01	1.16	3.31	-.97	1.03	3.16	-1.34	.80	4.10	-.22	1.93
26	3.53	-.96	1.20	3.60	-.90	1.32	3.29	-.93	.99	3.29	-1.56	.80
27	3.42	-1.09	1.00	3.64	-.27	1.52	2.16	-1.62	.31	2.11	-1.85	.31
28	3.66	-.87	1.29	2.82	-.97	.85	2.82	-1.05	.89	1.43	-2.47	-.69
29	3.14	-.77	1.04	2.56	-.98	.71	3.04	-1.03	.99	1.46	-2.40	.01
30	3.02	-.91	1.04	2.14	-1.17	.66	2.55	-1.73	.42	2.11	-1.06	.70
31	3.20	-.49	1.31	---	---	---	1.93	-1.68	.67	2.80	-1.11	.63
MONTH	4.43	-2.00	1.17	4.54	-1.78	.98	4.00	-2.96	.90	4.10	-3.44	.53

0137448595 HUDSON RIVER NEAR CONGERS, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.88	-1.64	.05	2.91	.04	1.64	2.62	-.92	.93	3.67	-.75	1.41
2	1.09	-2.60	-.75	3.07	-.49	1.16	2.80	-1.08	.86	3.36	-1.11	1.24
3	2.32	-2.06	.36	1.98	-1.46	.32	3.05	-1.17	.94	3.49	-1.05	1.13
4	3.20	-.68	1.20	2.83	-1.10	.95	3.60	-.64	1.44	3.71	-.97	1.22
5	3.07	-1.12	.93	3.44	-.85	1.15	2.86	-.94	.95	3.46	-1.02	1.11
6	1.72	-2.26	-.27	3.00	-1.13	.84	3.54	-.99	1.12	3.75	-.96	1.10
7	2.14	-1.89	.04	3.18	-.93	1.08	3.66	-.82	1.20	3.76	-.55	1.40
8	2.33	-2.06	.14	3.47	-.79	1.17	3.89	-.13	1.76	3.67	-.51	1.32
9	2.51	-1.38	.59	3.58	-.30	1.60	4.03	-1.71	.66	3.67	-.26	1.52
10	2.14	-1.45	.41	3.60	-.96	1.13	1.90	-1.56	.11	3.81	.02	2.06
11	2.97	-.60	1.26	3.46	-.10	1.73	2.49	-.88	.98	4.33	-.12	1.77
12	2.04	-1.15	.38	4.04	-.90	1.61	3.34	-1.39	.82	3.50	-.08	1.81
13	2.60	-.71	.86	2.64	-.83	.68	2.40	-1.37	.71	3.85	-.17	1.95
14	3.19	-.71	1.47	2.77	-.56	1.10	2.67	-1.44	.78	3.73	-.23	1.76
15	2.60	-1.48	.50	2.92	-.76	1.05	2.89	-1.13	.98	3.50	-.33	1.59
16	2.76	-1.18	.97	3.07	-.87	1.11	3.28	-.87	1.19	3.68	-.50	1.50
17	1.83	-1.61	.14	3.01	-1.30	.75	4.28	-.89	1.62	3.68	-.65	1.41
18	2.78	-1.34	.84	3.60	-1.52	1.25	4.43	-.02	2.07	3.49	-.36	1.45
19	3.28	-.79	1.10	4.00	-.54	1.66	3.95	-.22	1.94	3.91	-.62	1.35
20	3.31	-.71	1.17	4.38	-.20	1.99	4.04	-.12	1.81	3.92	-.11	1.71
21	2.33	-1.22	.51	4.25	-.01	2.01	4.25	.09	2.14	3.92	-.05	1.67
22	2.26	-1.12	.56	4.25	-.38	1.82	4.30	.39	2.12	3.39	-.17	1.47
23	2.25	-.89	.65	3.70	-.61	1.33	3.71	.27	1.76	3.50	.14	1.72
24	2.16	-1.01	.52	2.90	-.79	.88	3.02	.05	1.28	3.75	.51	1.92
25	1.97	-.62	.80	2.76	-.50	1.09	2.86	.17	1.72	3.52	.40	1.69
26	2.76	-.34	1.23	2.93	-.33	1.07	4.10	1.04	2.34	2.91	-.27	1.29
27	2.03	-.20	.82	2.61	-.06	1.40	3.47	.34	1.94	2.68	-.46	1.20
28	2.50	-.49	.87	3.81	.45	2.03	2.81	-.27	1.29	2.97	-.42	1.34
29	1.71	-.68	.55	3.03	.02	1.35	3.00	-.10	1.58	3.46	-.46	1.65
30	---	---	---	2.30	-.28	1.05	3.15	-.92	1.24	3.78	-.51	1.71
31	---	---	---	2.61	-.56	1.03	---	---	---	3.68	-1.04	1.35
MONTH	3.31	-2.60	.62	4.38	-1.52	1.26	4.43	-1.71	1.34	4.33	-1.11	1.51

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3.63	-.89	1.34	3.92	-1.15	1.31	4.09	-.55	1.68	3.41	-.76	1.31
2	3.98	-.88	1.34	3.95	-1.03	1.33	3.96	-.45	1.63	3.31	-.61	1.33
3	3.56	-1.30	1.10	3.83	-.90	1.34	3.89	-.47	1.52	3.57	-.26	1.59
4	3.88	-.88	1.22	3.79	-.75	1.32	3.56	-.52	1.37	3.29	-.57	1.41
5	3.98	-.58	1.36	3.81	-.68	1.33	3.13	-.63	1.29	3.49	.04	1.45
6	4.18	-.25	1.74	3.55	-.59	1.40	3.19	-.67	1.41	3.00	-.20	1.41
7	4.06	.67	2.25	3.41	-.72	1.21	3.06	-.55	1.32	2.73	-.38	1.17
8	3.94	.27	1.88	2.97	-.94	1.12	2.79	-.64	1.08	2.57	-.61	.91
9	3.39	-.31	1.44	3.11	-.79	1.30	3.07	-.34	1.30	2.85	-.68	.90
10	2.89	-.63	1.26	2.97	-.58	1.32	3.07	-.57	1.24	3.29	-.57	1.24
11	3.15	-.65	1.27	3.20	-.59	1.22	3.35	-.31	1.33	3.43	-.46	1.35
12	3.55	-.35	1.62	3.11	-.75	1.10	4.08	-.19	1.82	3.47	-.48	1.36
13	3.76	-.33	1.66	3.55	-.68	1.21	4.07	.33	2.05	3.27	-.73	1.28
14	3.70	-.21	1.61	3.63	-.46	1.43	3.53	-.02	1.81	3.81	-.57	1.49
15	3.69	-.39	1.51	3.99	-.11	1.90	3.88	-.40	1.58	3.60	-.25	1.75
16	3.46	-.40	1.34	3.74	-.06	1.76	3.34	-.59	1.45	3.38	-.50	1.33
17	2.86	-.66	1.09	3.76	-.10	1.68	3.35	-.63	1.21	3.02	-.80	1.02
18	3.17	-.81	.93	3.47	-.13	1.56	3.35	-.52	1.41	2.59	-1.17	.76
19	3.09	-.65	1.03	3.37	-.56	1.27	3.23	-.47	1.34	3.10	-.93	1.16
20	3.06	-.56	1.03	3.37	-.39	1.40	3.06	-.68	1.15	2.89	-.81	.98
21	3.14	-.52	1.28	3.53	-.28	1.58	2.76	-.87	.96	3.02	-.83	1.13
22	3.43	-.47	1.26	3.25	-.53	1.30	2.89	-1.04	.98	2.75	-1.05	.80
23	2.96	-.52	1.13	2.83	-.69	1.13	3.33	-.76	1.28	3.24	-.81	1.16
24	2.76	-.60	1.15	2.86	-.73	1.18	3.14	-.93	1.13	3.23	-.68	1.28
25	2.95	-.65	1.33	3.35	-.52	1.53	3.32	-.88	1.21	3.42	-.98	1.16
26	2.84	-.84	1.16	3.55	-.51	1.59	3.58	-.99	1.32	4.31	-.46	2.06
27	2.85	-.87	1.10	3.66	-.68	1.58	3.70	-.86	1.37	3.96	-.45	1.82
28	3.60	-.93	1.24	3.98	-.63	1.58	3.74	-1.01	1.34	3.48	-.89	1.27
29	4.07	-.85	1.55	3.92	-.73	1.55	4.10	-.65	1.59	3.40	-.87	1.22
30	3.90	-.96	1.49	3.94	-.83	1.48	3.63	-.76	1.44	3.32	-.75	1.25
31	---	---	---	4.18	-.64	1.60	3.44	-.74	1.30	---	---	---
MONTH	4.18	-1.30	1.36	4.18	-1.15	1.41	4.10	-1.04	1.38	4.31	-1.17	1.28

0137448595 HUDSON RIVER NEAR CONGERS, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1997 to current year.
WATER TEMPERATURE: April 1997 to current year.
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 µS/cm, Aug. 28, 29, 1999; minimum, 156 µS/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 YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 12,700 µS/cm, Nov. 22; minimum, 156 µS/cm, Apr. 26.
WATER TEMPERATURE: Maximum, 28.5°C, Aug. 10; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2980	1030	1990	6680	4010	5200	4860	2370	2910	5310	2840	3550
2	2650	737	1500	8620	4080	5820	7220	2770	4130	4720	2620	3300
3	1870	716	1190	7530	4010	5240	5100	2720	3410	4770	2690	3500
4	1820	549	1020	4490	2620	3580	5240	2810	3650	7810	3040	4270
5	2510	487	936	4660	1980	3300	5400	3070	4010	5470	3450	4570
6	2220	480	1230	4270	2060	2910	5730	3440	4270	6220	3080	4210
7	2350	432	1180	3670	1690	2560	4580	2950	3770	5590	2850	3740
8	3120	531	1570	3830	2100	2750	5030	2390	3580	4240	1970	2830
9	2790	699	1500	3880	1750	2710	4440	1940	3160	4280	1800	2880
10	2400	563	1280	3620	1650	2380	5340	2310	3270	4310	1510	2790
11	1940	498	1050	2640	1110	1530	2990	1410	2190	3260	957	2090
12	1700	471	986	3050	1360	1940	3970	1670	2210	1060	567	855
13	1770	436	1040	2980	1410	1970	3840	1860	2540	1310	447	841
14	1530	362	684	4430	1480	2850	6290	2140	3040	881	309	454
15	991	390	601	5200	3960	4330	10400	3030	4760	1250	309	645
16	1040	371	572	5890	4470	5250	7780	5250	6000	3180	816	1480
17	1630	378	667	7330	5210	6230	7560	6200	7110	1670	411	943
18	4930	530	1490	8440	6530	7310	7600	6720	7170	3410	572	1880
19	6530	3040	4020	10100	7190	8320	8550	6740	7570	6030	2050	3140
20	7930	3360	5040	10600	8340	9270	10500	7580	8620	5840	2540	3900
21	8850	5100	6560	12100	9160	10100	10200	7400	8720	6470	3760	4950
22	10500	6920	8260	12700	9380	10500	9550	6930	7970	5770	2510	3900
23	12400	8530	9600	12200	9230	10500	8950	6280	7560	4810	2480	3630
24	11200	8880	9860	11800	8900	10400	8040	5510	6630	6940	3690	4890
25	10800	7510	9260	11200	8690	9830	7900	4790	6300	5330	3360	4020
26	10400	6850	8610	11100	8080	9470	7510	4430	6230	5170	2700	4110
27	9310	6150	7400	11100	7060	9230	6280	3880	5090	4780	2670	4170
28	8930	5470	7120	9140	5420	7330	6500	3760	5140	4740	2860	3560
29	8550	4880	6730	7370	4160	5770	5970	3870	4710	4260	2970	3720
30	7890	4680	6020	5870	3080	4150	5750	3160	4270	4050	2510	3280
31	7570	4600	5990	---	---	---	4890	2570	3710	5120	2620	3470
MONTH	12400	362	3710	12700	1110	5760	10500	1410	4960	7810	309	3080

0137448595 HUDSON RIVER NEAR CONGERS, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4940	3280	3790	395	268	301	1870	746	1110	4940	3080	3990
2	5220	3300	4140	319	266	275	3000	1060	1630	6250	3920	4580
3	7010	4770	5170	694	269	359	3680	1240	2080	6650	3170	4770
4	8330	4630	5700	1510	353	781	4310	1420	2570	6460	3590	4820
5	7400	5440	6220	1770	606	1120	2600	523	1100	6460	2540	3860
6	7900	5660	6720	1760	547	1010	945	321	541	5420	1970	3260
7	8950	6100	7210	2010	509	1160	675	282	369	5130	1910	3200
8	7940	5400	6830	2030	403	978	524	272	356	4210	1280	2600
9	8190	5660	7160	1830	365	870	418	228	279	3850	1090	2310
10	7640	4990	6320	1210	313	510	244	227	235	4010	935	2380
11	8580	5500	6850	649	294	397	241	222	228	2980	1010	1500
12	7000	4610	5920	515	256	315	236	207	220	1670	515	994
13	7120	4440	5640	264	240	253	217	197	207	1030	305	607
14	8800	4580	5780	253	229	240	211	193	200	417	176	271
15	7140	4620	5430	244	221	229	203	190	195	193	162	177
16	9000	4090	6120	237	217	223	199	188	191	222	160	184
17	7010	3990	5640	236	215	220	202	189	193	198	189	192
18	7600	3750	5390	226	217	220	197	190	193	196	159	191
19	6580	3860	4870	227	219	223	204	193	197	218	157	193
20	6420	3290	5050	229	219	225	203	196	199	214	188	201
21	6060	2700	4160	232	221	227	216	197	199	209	161	198
22	5170	2330	3660	233	222	228	198	186	194	204	202	203
23	4990	2170	3450	233	222	227	193	180	186	206	166	204
24	4280	1620	2740	234	225	230	199	180	184	212	166	198
25	3580	1280	2250	235	227	230	196	183	189	211	168	184
26	3070	867	1570	236	227	231	210	156	194	178	166	170
27	1130	399	674	648	229	284	1050	201	437	1000	166	256
28	804	365	443	848	273	505	1270	648	936	924	176	350
29	423	260	356	1200	570	796	2290	1120	1470	2610	238	683
30	---	---	---	1210	601	796	3610	1830	2400	2780	605	1120
31	---	---	---	1140	710	838	---	---	---	3760	1530	2360
MONTH	9000	260	4660	2030	215	468	4310	156	623	6650	157	1490

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4920	1690	2920	6370	2000	3520	8370	4190	6090	4790	1930	3180
2	6140	1860	3080	7660	1900	4140	8020	3880	6020	4520	1790	2970
3	6200	1770	3220	7010	2060	4120	7680	3210	5100	4520	1600	2690
4	4960	958	2760	6700	2070	3880	6660	2640	4170	3460	1160	2080
5	4660	985	2400	6330	1800	3530	4820	1880	3240	4780	887	1760
6	4190	741	1810	5100	1960	3300	4180	1660	2750	4840	1100	2520
7	1210	241	501	4840	1880	2940	3810	1500	2070	5540	2020	3100
8	305	173	245	5190	1560	2960	2520	909	1530	5210	2970	3860
9	225	177	217	5940	1550	2950	3030	964	1540	5900	3750	4330
10	226	181	221	4930	1950	2670	2470	679	1180	7180	4180	5410
11	225	179	217	6050	2530	3410	2190	1030	1380	9120	5510	6750
12	233	206	221	8120	3520	4760	4840	1340	2230	9240	6460	7790
13	232	215	221	10400	4780	6330	4940	1940	2970	9740	6670	7630
14	228	178	216	11400	6670	7970	5160	2910	3570	9680	6670	7910
15	224	172	211	11100	7090	9250	5550	3080	3840	10100	6340	7970
16	216	168	204	8770	5680	6910	6320	4210	4760	8830	5720	7190
17	207	162	192	8610	4460	6030	6460	3890	5110	8200	4940	6600
18	203	166	197	7680	3490	4880	6190	3340	4490	7500	3930	5700
19	206	167	200	5630	2190	3450	5650	2810	3970	6950	3870	5300
20	211	197	203	5030	2280	3060	4240	2080	3070	6120	3300	4650
21	1210	171	281	4820	2060	3180	3660	1730	2680	5760	3510	4620
22	1090	197	464	4060	1730	2500	4080	1520	2460	5590	2980	4050
23	743	220	356	3620	1320	2320	4740	1570	2770	6480	3020	4220
24	1400	222	478	4000	1130	2000	3880	1250	2300	5470	3100	4170
25	2900	246	1100	5990	1540	2640	3970	1310	2160	6120	2610	3810
26	2100	443	934	7450	2370	3200	5080	1740	2770	7490	3050	4720
27	2890	706	1560	7860	2820	4030	6100	2080	3270	7910	3380	5300
28	4400	940	1950	9120	3440	5160	5320	1840	3150	7370	3110	4590
29	5710	1760	2840	10400	5110	6900	5550	1950	3320	7440	3060	4710
30	6650	1900	3170	10200	5090	7290	5550	1960	3200	6990	3420	4950
31	---	---	---	8520	4610	6210	4860	1950	3090	---	---	---
MONTH	6650	162	1090	11400	1130	4370	8370	679	3230	10100	887	4820

0137448595 HUDSON RIVER NEAR CONGERS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.0	20.0	20.5	16.5	15.0	15.5	10.0	8.0	9.0	5.0	3.5	4.5
2	21.0	20.0	20.5	15.5	14.5	15.0	9.5	7.5	8.5	5.5	4.0	5.0
3	21.0	20.0	20.5	16.0	15.0	15.5	9.0	8.5	9.0	5.5	5.0	5.5
4	20.0	18.5	20.0	15.5	14.5	15.0	9.5	9.0	9.0	6.0	5.0	5.5
5	19.0	18.0	18.5	15.0	14.0	14.5	9.5	9.0	9.0	5.5	4.5	5.0
6	19.0	18.0	18.5	14.5	13.5	14.0	9.5	9.0	9.5	4.5	3.5	4.0
7	18.0	17.0	17.5	14.0	12.5	13.0	9.5	9.0	9.0	4.5	4.0	4.0
8	17.5	16.5	17.0	12.5	11.5	12.5	9.0	8.5	8.5	4.0	3.5	4.0
9	18.0	16.5	17.0	13.0	11.5	12.0	8.5	8.0	8.5	4.5	3.5	4.0
10	17.5	17.0	17.5	13.5	11.5	12.5	8.5	8.0	8.5	4.5	4.0	4.0
11	18.0	17.0	17.5	13.5	12.0	13.0	8.5	7.0	8.0	5.0	4.0	4.5
12	17.5	17.0	17.0	12.5	11.5	12.0	7.5	7.0	7.0	5.0	4.0	4.5
13	17.5	17.0	17.0	13.0	12.0	12.5	8.0	6.5	7.0	4.5	2.0	3.5
14	17.0	16.0	16.5	13.0	12.0	12.5	7.5	7.0	7.5	3.0	.5	1.5
15	16.5	15.5	16.0	12.5	11.0	12.0	8.0	7.0	7.5	1.5	.5	1.0
16	16.5	16.0	16.0	11.0	9.5	10.5	8.0	7.5	7.5	2.0	1.0	1.5
17	17.0	16.5	16.5	10.5	9.0	9.5	7.5	7.0	7.5	1.0	.0	.0
18	17.0	16.0	16.0	10.5	9.0	9.5	7.0	6.5	7.0	.0	.0	.0
19	16.0	15.0	15.5	10.5	9.5	10.0	7.0	6.0	6.5	.0	.0	.0
20	16.0	15.5	16.0	11.0	10.0	10.5	7.0	6.0	6.5	.0	.0	.0
21	16.5	15.5	16.0	11.5	10.5	11.0	7.5	6.5	7.0	.5	.0	.0
22	16.0	15.5	15.5	11.5	10.5	11.0	7.0	6.5	7.0	.0	.0	.0
23	16.0	15.0	15.5	12.0	11.0	11.5	7.0	6.0	6.5	.0	.0	.0
24	15.5	14.5	15.0	12.5	11.0	11.5	6.5	5.5	6.0	.0	.0	.0
25	15.5	14.0	15.0	12.0	11.5	12.0	5.5	4.5	5.0	.0	.0	.0
26	15.5	14.0	14.5	12.5	11.0	12.0	5.5	4.0	4.5	.5	.0	.0
27	15.0	14.0	15.0	12.5	11.5	12.0	5.5	4.0	4.5	.5	.0	.0
28	15.0	13.5	14.0	12.5	11.5	12.0	5.0	3.0	4.0	.0	.0	.0
29	15.5	13.5	14.5	11.5	11.0	11.5	4.5	3.0	4.0	.0	.0	.0
30	15.5	14.0	14.5	11.0	9.0	10.5	5.5	3.0	4.5	.0	.0	.0
31	16.0	14.5	15.0	---	---	---	5.5	4.0	4.5	.5	.0	.0
MONTH	21.0	13.5	16.5	16.5	9.0	12.0	10.0	3.0	7.0	6.0	.0	2.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.5	.0	.5	2.0	1.5	2.0	8.5	6.5	7.5	11.5	10.5	11.0
2	.5	.0	.0	2.5	1.5	2.0	8.0	7.0	7.5	12.5	11.0	11.5
3	.0	.0	.0	2.0	1.0	1.5	8.5	7.5	8.0	13.0	11.0	11.5
4	.0	.0	.0	2.0	1.0	1.5	8.5	8.0	8.0	13.0	11.5	12.0
5	.5	.0	.0	2.0	1.5	2.0	8.5	8.0	8.0	13.5	12.5	13.0
6	.5	.0	.5	3.0	1.5	2.0	9.5	7.5	8.0	14.0	13.0	13.5
7	1.0	.0	.5	3.0	1.5	2.0	10.0	8.5	9.0	15.0	13.5	14.0
8	.5	.0	.0	3.5	2.5	3.0	11.0	9.0	10.0	16.0	14.0	15.0
9	1.0	.0	.0	3.5	3.0	3.0	10.0	9.0	9.5	16.5	15.0	15.5
10	1.5	.0	1.0	4.5	3.0	4.0	9.5	8.5	9.0	17.0	15.0	16.0
11	1.5	.5	1.0	4.0	3.5	4.0	9.5	9.0	9.0	16.5	15.0	15.5
12	1.5	.5	1.0	4.0	3.0	3.5	10.5	9.0	9.5	16.5	15.5	16.0
13	2.0	.5	1.0	4.0	2.5	3.5	10.5	9.0	10.0	16.5	15.5	15.5
14	2.5	.5	1.5	4.5	3.0	4.0	10.5	9.0	10.0	16.5	15.5	16.0
15	2.5	1.5	2.0	4.5	4.0	4.0	10.5	9.5	10.0	16.0	15.0	15.5
16	2.0	1.5	2.0	5.0	4.0	4.5	11.0	9.5	10.0	16.5	15.0	15.5
17	2.0	1.0	1.5	5.0	3.5	4.5	10.0	9.5	9.5	17.5	15.5	16.0
18	1.5	.0	1.0	4.0	2.5	3.5	9.5	9.0	9.0	17.5	16.0	16.5
19	1.0	.0	.5	5.0	3.5	4.0	10.5	9.0	9.5	17.0	16.0	16.5
20	1.5	.5	1.0	5.5	4.0	4.5	10.5	9.5	10.0	16.5	15.5	16.0
21	1.5	1.0	1.0	5.5	4.5	5.0	10.0	9.5	10.0	17.0	15.5	16.5
22	1.5	1.0	1.5	6.0	4.5	5.0	10.0	9.5	9.5	17.0	16.0	16.5
23	2.0	1.0	1.5	7.0	5.0	6.0	9.5	9.0	9.0	17.5	16.0	17.0
24	2.5	1.5	2.0	7.0	6.0	6.5	10.5	8.5	9.5	18.0	16.0	17.0
25	2.0	1.5	2.0	7.5	6.5	7.0	10.0	9.5	9.5	18.5	17.5	18.0
26	2.0	1.5	2.0	8.5	7.0	7.5	9.5	9.0	9.5	18.5	17.5	18.0
27	2.0	1.0	1.5	8.0	7.0	7.5	10.0	9.0	9.5	18.5	17.5	18.0
28	2.5	1.0	1.5	8.5	7.5	7.5	10.0	9.0	9.5	18.5	17.0	18.0
29	2.5	1.0	1.5	8.0	6.5	7.5	11.5	9.5	10.5	18.0	17.5	17.5
30	---	---	---	7.5	6.5	7.0	12.0	10.5	11.0	18.5	17.0	17.5
31	---	---	---	8.0	6.5	7.0	---	---	---	18.5	17.0	17.5
MONTH	2.5	.0	1.0	8.5	1.0	4.5	12.0	6.5	9.5	18.5	10.5	15.5

0137448595 HUDSON RIVER NEAR CONGERS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	17.5	18.0	24.5	22.5	23.5	24.5	23.5	24.0	25.5	25.0	25.0
2	19.5	18.0	18.5	25.0	23.0	23.5	25.0	23.5	24.5	26.0	25.0	25.5
3	20.0	18.0	19.0	24.0	23.5	24.0	25.0	24.5	25.0	26.0	25.5	25.5
4	19.5	18.5	19.0	24.5	23.5	24.0	26.0	24.5	25.0	26.5	24.5	26.0
5	19.5	18.0	18.5	25.5	24.0	24.5	25.5	24.5	25.0	25.0	23.0	24.0
6	18.5	16.5	17.5	25.0	24.0	24.5	25.0	25.0	25.0	24.5	23.0	24.0
7	18.5	16.5	17.5	24.5	24.0	24.0	26.5	24.5	25.0	24.5	23.5	24.0
8	18.5	18.0	18.0	25.0	23.5	24.0	27.0	25.0	26.0	25.0	23.5	24.0
9	19.5	17.5	18.5	25.0	23.5	24.0	27.0	25.5	26.0	25.0	23.5	24.0
10	20.0	18.5	19.5	25.5	24.0	24.5	28.5	25.5	26.5	25.0	24.0	24.5
11	20.5	19.5	20.0	25.5	24.0	24.5	27.5	26.0	26.5	24.5	24.0	24.5
12	20.0	19.5	20.0	25.5	24.0	24.5	26.0	25.0	25.5	24.5	24.0	24.0
13	19.5	19.0	19.5	26.0	24.0	24.5	25.0	24.5	24.5	25.0	24.0	24.5
14	19.0	18.5	18.5	25.0	24.0	24.5	24.5	23.5	24.0	24.5	24.0	24.0
15	19.5	18.5	19.0	24.0	23.5	24.0	25.5	23.5	24.5	24.5	23.5	24.0
16	20.0	19.0	19.5	25.5	23.5	24.0	25.0	24.5	24.5	23.5	23.0	23.5
17	20.5	19.0	19.5	25.5	24.0	24.5	25.0	24.0	24.5	23.5	22.5	23.0
18	20.0	19.5	19.5	25.5	24.5	25.0	24.5	23.5	24.0	23.5	22.5	22.5
19	20.0	19.0	19.5	25.0	24.0	24.5	24.5	23.0	24.0	23.5	22.0	22.5
20	21.5	19.5	20.0	25.0	23.5	24.5	24.5	23.5	24.0	24.0	22.5	23.0
21	21.0	20.0	20.5	25.5	24.0	24.5	24.5	23.5	23.5	23.5	22.5	23.0
22	21.5	20.5	21.0	25.5	24.5	25.0	25.0	23.5	24.0	23.5	22.0	23.0
23	22.5	20.5	21.5	26.0	24.5	25.0	24.0	23.0	23.5	23.0	21.5	22.5
24	22.5	21.5	21.5	25.5	25.0	25.0	25.0	23.5	24.0	23.0	22.0	22.5
25	23.0	21.5	22.0	25.5	24.5	25.0	25.0	23.5	24.5	22.0	20.5	21.5
26	24.5	22.0	23.0	25.0	24.0	24.5	25.5	24.0	24.5	21.0	19.0	20.5
27	23.5	22.5	23.0	24.0	24.0	24.0	25.5	24.0	24.5	21.0	19.0	20.0
28	24.5	22.5	23.0	25.5	23.5	24.5	25.0	24.5	24.5	21.0	19.5	20.5
29	23.5	23.0	23.0	24.5	24.0	24.0	25.5	24.0	24.5	20.0	18.5	19.5
30	24.0	22.5	23.0	24.5	23.5	24.0	25.5	24.0	24.5	20.0	19.0	19.5
31	---	---	---	24.5	23.5	24.0	26.0	24.5	25.0	---	---	---
MONTH	24.5	16.5	20.0	26.0	22.5	24.5	28.5	23.0	24.7	26.5	18.5	23.0

0137449480 EAST BRANCH CROTON RIVER NEAR PUTNAM LAKE, NY

LOCATION.--Lat 41°26'49", long 73°33'23", Putnam County, Hydrologic Unit 02030101, on left bank at downstream side of bridge on County Route 65, 1.3 mi southwest of Putnam Lake.
DRAINAGE AREA.--62.1 mi^2.
PERIOD OF RECORD.--October 1995 to current year.
REVISED RECORDS.--WDR NY-99-1: 1996(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 430 ft above 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 ft^3/s, Jan. 28, 1996, gage height, 9.82 ft; minimum, 0.07 ft^3/s, Aug. 10, 11, 14, 1999, gage height, 1.90 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 8	2130	*509	*7.35

No other peak greater than base discharge.

Minimum discharge, 9.0 ft^3/s, Sept. 12, 13, gage height, 2.69 ft.

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	146	81	169	68	46	450	141	106	66	79	55	10
2	164	80	135	67	44	387	124	98	59	59	51	12
3	163	192	118	72	43	324	112	91	66	45	47	23
4	182	270	111	82	43	273	116	85	68	38	55	25
5	251	292	108	114	42	233	129	79	68	34	48	23
6	283	255	108	131	40	202	136	74	97	31	45	19
7	280	210	117	132	39	179	125	71	311	28	55	16
8	244	173	121	117	e38	162	110	67	482	25	49	13
9	206	146	119	101	e37	150	115	61	476	23	43	12
10	185	129	113	100	35	147	137	54	381	21	38	11
11	185	116	114	124	35	159	152	61	283	20	37	10
12	178	105	113	143	39	238	149	71	268	19	37	9.8
13	167	96	109	143	43	308	133	85	321	18	35	12
14	164	88	111	e110	65	307	118	121	369	16	34	14
15	153	81	134	e90	120	262	106	128	340	18	34	19
16	138	75	158	84	164	219	101	118	291	28	38	22
17	131	69	170	e66	196	230	99	96	241	34	39	22
18	137	63	159	59	196	260	110	79	201	36	36	18
19	129	58	139	48	135	265	119	97	176	32	33	17
20	132	54	125	42	106	239	118	136	155	27	28	23
21	144	55	136	40	98	210	117	178	135	23	23	26
22	155	55	144	39	e94	185	176	181	124	23	19	24
23	161	56	144	37	97	165	241	166	108	21	17	20
24	146	56	132	35	111	146	256	176	91	18	16	18
25	134	58	e110	38	163	133	232	204	74	16	16	17
26	124	65	102	44	273	125	198	209	59	16	15	16
27	114	112	92	43	346	115	170	178	64	26	13	18
28	104	183	e80	42	406	144	151	141	112	40	12	19
29	95	233	76	42	478	183	137	114	114	53	11	18
30	88	211	71	42	---	195	120	92	102	60	11	16
31	84	---	70	46	---	171	---	76	---	62	11	---
TOTAL	4967	3717	3708	2341	3572	6766	4248	3493	5702	989	1001	522.8
MEAN	160	124	120	75.5	123	218	142	113	190	31.9	32.3	17.4
MAX	283	292	170	143	478	450	256	209	482	79	55	26
MIN	84	54	70	35	35	115	99	54	59	16	11	9.8
CFSM	2.58	2.00	1.93	1.22	1.98	3.51	2.28	1.81	3.06	.51	.52	.28
IN.	2.98	2.23	2.22	1.40	2.14	4.05	2.54	2.09	3.42	.59	.60	.31

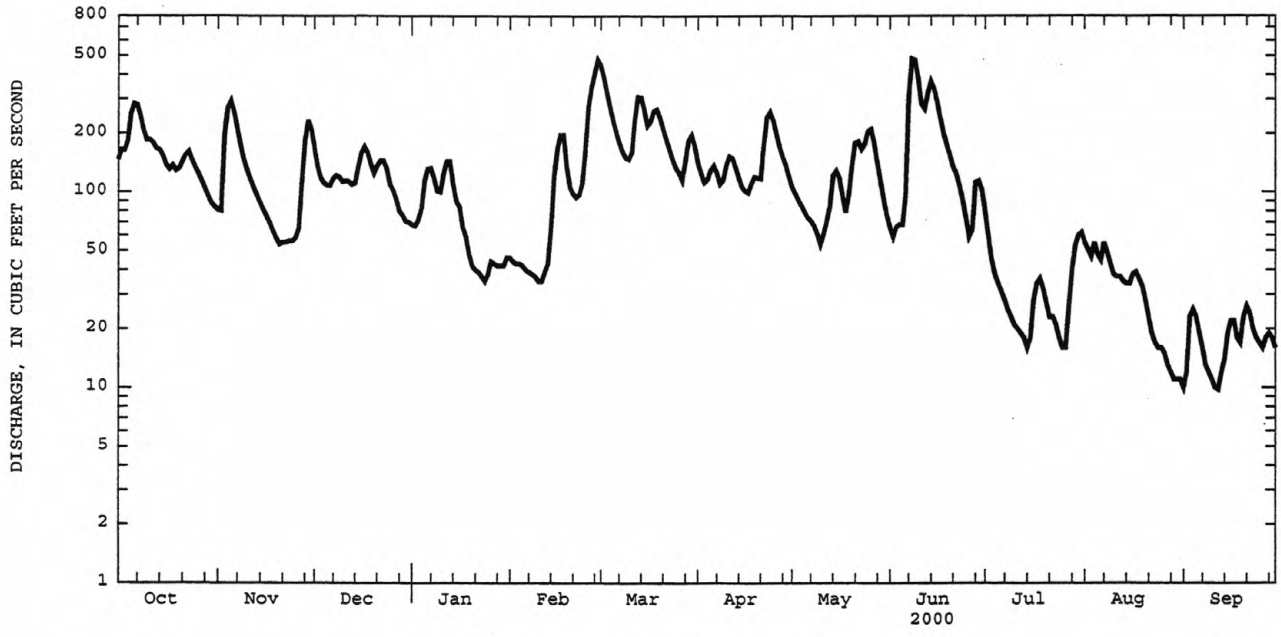
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	119	141	148	196	177	211	199	157	82.9	66.9	21.4	68.2
MAX	277	248	445	342	253	257	307	212	190	160	39.0	230
(WY)	1997	1996	1997	1996	1996	1999	1997	1998	2000	1996	1996	1999
MIN	24.1	32.4	32.5	75.5	123	148	94.7	113	18.1	3.67	.47	11.4
(WY)	1998	1999	1999	2000	2000	1997	1999	2000	1999	1999	1999	1997

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	47024.35		41026.8			
ANNUAL MEAN	129		112		132	
HIGHEST ANNUAL MEAN					162	1997
LOWEST ANNUAL MEAN					104	1999
HIGHEST DAILY MEAN	1410	Sep 17	482	Jun 8	1760	Jan 28 1996
LOWEST DAILY MEAN	.08	Aug 10	9.8	Sep 12	.08	Aug 10 1999
ANNUAL SEVEN-DAY MINIMUM	.09	Aug 7	11	Aug 27	.09	Aug 7 1999
ANNUAL RUNOFF (CFSM)	2.07		1.81		2.13	
ANNUAL RUNOFF (INCHES)	28.17		24.58		28.88	
10 PERCENT EXCEEDS	295		233		288	
50 PERCENT EXCEEDS	96		100		97	
90 PERCENT EXCEEDS	.91		19		13	

e Estimated

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01374505 EAST BRANCH CROTON RIVER AT BREWSTER, NY

LOCATION.--Lat 41°23'40", long 73°36'27", Putnam County, Hydrologic Unit 02030101, on right bank 50 ft downstream from bridge on U.S. Highway 6 in Brewster, 0.9 mi upstream from bridge at diverting reservoir, and 1.6 mi downstream from East Branch Reservoir dam.
DRAINAGE AREA.--81.2 mi^2.
PERIOD OF RECORD.--March 1994 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 330 ft above 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 ft^3/s, Jan. 29, 1996, gage height, 6.21 ft; minimum, 41 ft^3/s, Jan. 12, 13, 1999, gage height, 3.02 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 482 ft^3/s, Feb. 29, gage height, 4.68 ft; minimum, 53 ft^3/s, Sept. 29, 30, gage height, 3.16 ft.

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

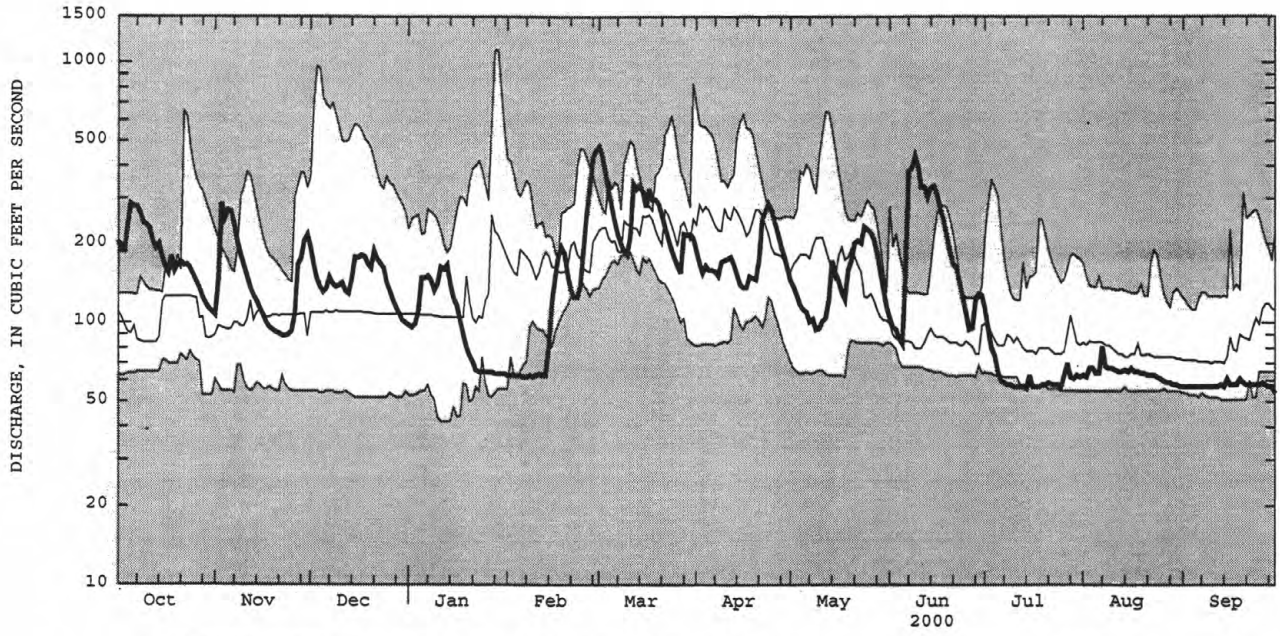
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	107	194	98	63	476	189	145	104	112	63	57
2	188	145	166	96	63	437	169	137	96	94	62	57
3	187	289	147	99	63	376	155	127	94	80	67	57
4	236	252	137	110	63	322	165	117	87	75	67	57
5	286	271	131	148	63	280	159	112	83	65	64	57
6	281	268	135	148	62	244	159	110	156	60	64	57
7	279	237	149	151	62	218	157	101	383	59	81	57
8	263	204	141	145	63	201	151	103	391	58	68	57
9	242	181	137	133	62	188	170	94	437	58	67	57
10	237	165	139	141	63	182	173	95	399	57	67	57
11	230	150	142	163	64	216	175	101	332	57	66	57
12	205	136	132	160	63	342	178	104	333	57	65	57
13	193	127	129	166	63	327	167	122	304	57	65	58
14	200	121	147	140	81	338	153	172	331	56	66	57
15	178	113	178	124	119	319	140	156	335	63	65	61
16	163	107	177	116	149	279	136	145	310	57	67	58
17	155	100	181	102	180	327	136	131	273	57	65	58
18	180	96	179	90	194	297	150	123	247	57	65	58
19	158	94	168	81	183	298	148	158	215	58	64	61
20	167	92	162	75	152	286	146	173	187	58	64	59
21	171	91	188	71	133	260	173	201	167	59	63	58
22	166	89	175	66	125	233	247	206	162	58	63	58
23	167	89	168	65	125	211	266	202	142	58	63	58
24	161	90	162	65	138	192	286	233	124	58	62	58
25	152	93	142	65	191	177	272	228	109	57	61	58
26	143	108	132	65	262	165	244	222	94	63	60	59
27	135	167	122	65	332	155	221	209	95	70	59	58
28	125	176	114	64	430	219	197	185	122	62	59	57
29	118	206	108	64	462	217	180	158	129	61	58	57
30	113	217	102	64	---	219	162	134	127	63	58	54
31	110	---	100	64	---	212	---	115	---	62	57	---
TOTAL	5794	4581	4584	3204	4073	8213	5424	4619	6368	1966	1985	1729
MEAN	187	153	148	103	140	265	181	149	212	63.4	64.0	57.6
MAX	286	289	194	166	462	476	286	233	437	112	81	61
MIN	110	89	100	64	62	155	136	94	83	56	57	54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	133	124	185	154	185	248	235	171	117	94.2	83.1	89.6
MAX	221	238	510	264	281	310	366	261	212	154	130	132
(WY)	1997	1997	1997	1995	1996	1998	1994	1998	2000	1996	1996	1999
MIN	77.6	57.2	53.3	55.9	123	178	113	88.2	68.2	58.6	55.1	57.6
(WY)	1995	1998	1998	1999	1995	1995	1995	1995	1999	1999	1999	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	46789		52540			
ANNUAL MEAN	128		144		150	
HIGHEST ANNUAL MEAN					198	1997
LOWEST ANNUAL MEAN					114	1999
HIGHEST DAILY MEAN	626	Mar 24	476	Mar 1	1120	Jan 29 1996
LOWEST DAILY MEAN	42	Jan 11	54	Sep 30	42	Jan 11 1999
ANNUAL SEVEN-DAY MINIMUM	43	Jan 10	57	Aug 31	43	Jan 10 1999
10 PERCENT EXCEEDS	244		267		280	
50 PERCENT EXCEEDS	101		132		117	
90 PERCENT EXCEEDS	55		58		58	

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



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

01374531 EAST BRANCH CROTON RIVER NEAR CROTON FALLS, NY

LOCATION.--Lat 41°22'27", long 73°38'18", Putnam County, Hydrologic Unit 02030101, on right bank 200 ft downstream from dam on Diverting Reservoir, just downstream from Lower Mine Road, 2.6 mi northeast of Croton Falls, and 2.7 mi upstream from the confluence with West Branch Croton River.
DRAINAGE AREA.--86.4 mi^2.
PERIOD OF RECORD.--June 1994 to current year.
REVISED RECORDS.--WDR NY-99-1: 1998.
GAGE.--Water-stage recorder. Supplementary water-stage recorder and concrete control 90 ft downstream from release structure outlet. Elevation of gage is 280 ft above sea level, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, those less than 10 ft^3/s, and those greater than 300 ft^3/s, which are poor. Records include flow over spillway equal to or greater than 10 ft^3/s and flow through release structure. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft^3/s, Jan. 27, 1996, gage height, 6.17 ft, from rating curve extended above 380 ft^3/s; minimum daily discharge, 52 ft^3/s, Jan. 9, 1999; minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 480 ft^3/s, June 7, gage height, 4.13 ft; minimum daily discharge, 63 ft^3/s, Sept. 24; minimum instantaneous discharge not determined.

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	207	80	104	80	64	e400	149	115	101	104	82	65
2	186	113	111	79	65	e370	132	113	98	94	81	64
3	178	241	111	79	64	e320	122	104	96	89	89	64
4	e290	171	100	86	65	e270	151	101	88	89	103	64
5	e300	171	93	110	65	e220	141	99	88	81	83	64
6	e250	176	97	103	65	180	125	100	190	64	79	64
7	212	144	97	105	65	158	120	95	e430	64	130	64
8	200	130	91	100	65	149	116	98	e370	64	101	64
9	191	122	89	96	65	147	144	96	e380	64	89	64
10	197	116	95	113	65	144	137	94	e330	64	82	64
11	188	93	95	132	65	202	129	103	e280	64	81	64
12	158	87	81	114	65	e320	126	103	e310	64	81	64
13	146	86	84	109	65	e270	113	120	e290	64	78	64
14	156	85	104	85	92	e270	108	171	e300	64	77	64
15	133	64	131	83	115	e260	104	133	e290	64	78	64
16	122	64	130	88	120	e230	107	120	e270	64	81	64
17	118	64	126	64	132	e270	107	109	e240	64	79	64
18	127	64	122	64	148	e230	125	112	228	64	64	64
19	114	64	115	64	139	e230	113	155	199	64	64	64
20	144	64	121	64	113	e220	115	163	171	64	64	64
21	143	64	147	64	98	202	158	178	152	64	64	64
22	130	64	127	64	93	182	239	177	167	64	64	64
23	132	64	122	64	94	163	229	177	140	64	64	64
24	123	64	112	64	105	148	231	234	118	64	64	63
25	113	64	101	64	156	139	215	214	106	64	64	64
26	107	89	99	64	211	134	191	192	98	64	64	64
27	99	158	98	64	e260	123	181	179	112	64	64	64
28	88	132	91	64	e370	209	165	159	128	83	64	64
29	86	131	86	64	e390	198	150	140	122	81	65	64
30	82	134	82	65	---	178	127	122	120	81	65	64
31	82	---	80	64	---	169	---	112	---	81	64	---
TOTAL	4802	3163	3242	2523	3479	6705	4370	4188	6012	2191	2372	1920
MEAN	155	105	105	81.4	120	216	146	135	200	70.7	76.5	64.0
MAX	300	241	147	132	390	400	239	234	430	104	130	65
MIN	82	64	80	64	64	123	104	94	88	64	64	63

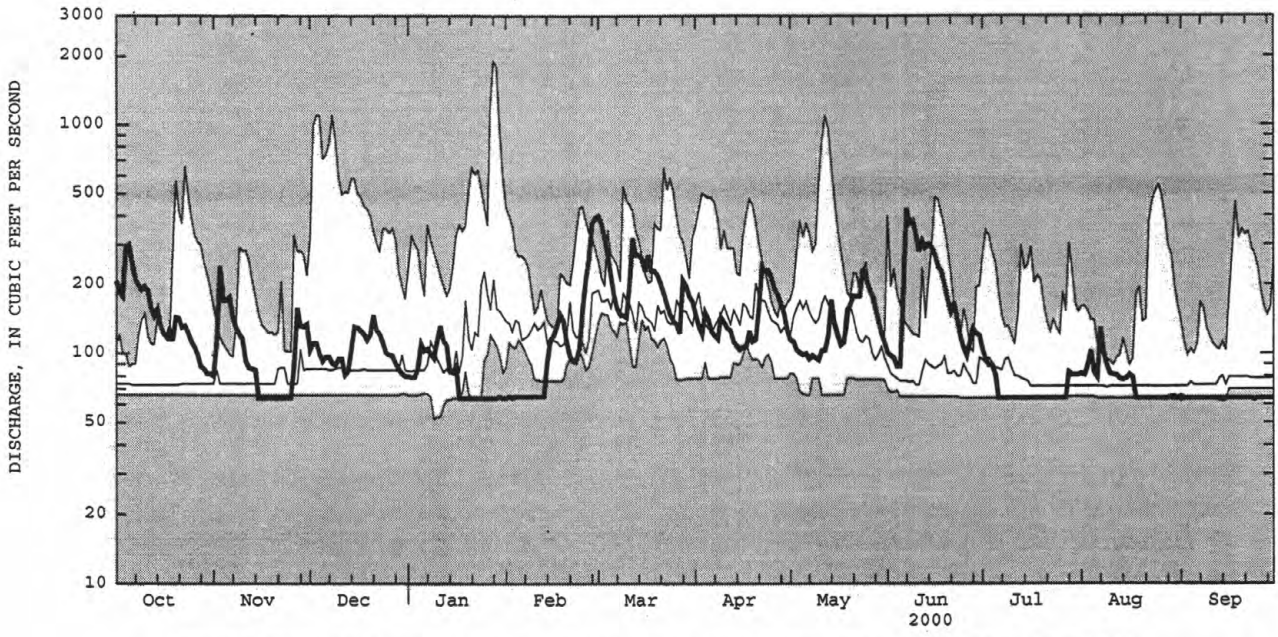
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	114	98.3	182	174	148	195	168	156	118	96.6	92.8	94.2
MAX	217	171	524	327	235	262	274	285	200	156	203	163
(WY)	1997	1997	1997	1996	1996	1998	1997	1998	2000	1996	1994	1999
MIN	66.0	66.0	67.2	81.4	101	143	95.7	78.5	67.3	64.3	64.0	64.0
(WY)	1998	1998	1996	2000	1995	1995	1995	1995	1999	1999	1999	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	42437		44967			
ANNUAL MEAN	116		123		135	
HIGHEST ANNUAL MEAN					174	1997
LOWEST ANNUAL MEAN					109	1999
HIGHEST DAILY MEAN	650	Mar 22	430	Jun 7	1900	Jan 28 1996
LOWEST DAILY MEAN	52	Jan 9	63	Sep 24	52	Jan 9 1999
ANNUAL SEVEN-DAY MINIMUM	58	Jan 9	64	Sep 18	58	Jan 9 1999
10 PERCENT EXCEEDS	195		220		250	
50 PERCENT EXCEEDS	91		103		94	
90 PERCENT EXCEEDS	64		64		65	

e Estimated

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



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

01374559 WEST BRANCH CROTON RIVER AT RICHARDSVILLE, NY

LOCATION.--Lat 41°28'14", long 73°45'38", Putnam County, Hydrologic Unit 02030101, on right bank 200 ft downstream from State Highway 301, and 0.9 mi northeast of Richardsville.
DRAINAGE AREA.--11.0 mi^2.
PERIOD OF RECORD.--October 1995 to current year.
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 ft^3/s, those above 100 ft^3/s, and those for estimated daily discharges, which are poor. Occasional regulation by small lakes upstream from station. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,290 ft^3/s, Sept. 17, 1999, gage height, 4.88 ft, from rating curve extended above 520 ft^3/s; minimum discharge, no flow part of each day Aug. 8-10, 24, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	1000	*169	*2.77

No other peak greater than base discharge.

Minimum discharge, 1.2 ft^3/s, July 12, 13, Sept. 11, 12, 13, 17, 18, 19; minimum gage height, 0.63 ft, July 12, 13.

REVISIONS.--Some peak discharges and maximums (*) for water years 1996-99 have been revised as shown in the following table. These figures supersede those published in the reports for 1996-99.

Water year	Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Water year	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
1996	Oct. 28, 1995	1615	347	3.35	1996	July 14, 1996	0200	243	3.05
1996	Nov. 12, 1995	1545	256	3.09	1997	Dec. 2, 1996	1715	*249	*3.07
1996	Jan. 25, 1996	0830	141	2.64	1997	Apr. 5, 1997	0445	120	2.53
1996	Jan. 28, 1996	0115	*494	*3.68	1998	May 11, 1998	0615	*186	*2.84
1996	Apr. 17, 1996	0530	124	2.55	1999	Mar. 23, 1999	0430	181	2.82

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	40	11	37	27	11	54	26	24	15	9.1	9.4	1.5
2	31	16	35	27	11	50	23	22	14	6.7	8.2	1.8
3	23	54	34	27	10	45	21	21	18	5.4	7.2	1.7
4	30	55	34	29	10	41	28	18	16	5.3	9.1	1.6
5	45	38	34	34	9.7	39	30	18	13	4.3	7.1	1.6
6	39	29	35	33	9.3	37	25	21	31	3.2	4.7	3.9
7	29	23	36	29	8.5	36	21	18	144	2.2	11	2.8
8	24	20	35	23	8.1	35	18	18	102	2.1	11	2.0
9	22	21	33	19	e7.2	34	25	18	57	1.8	7.1	1.7
10	25	29	33	24	7.0	34	31	16	37	1.9	6.9	1.4
11	30	28	33	36	7.6	37	31	22	30	1.6	5.8	1.3
12	27	28	33	35	9.0	50	28	22	55	1.5	5.3	1.3
13	22	27	31	31	8.8	49	24	23	55	1.4	4.3	2.0
14	20	26	34	27	15	41	20	29	45	1.4	4.4	1.4
15	18	25	40	e18	25	37	19	26	36	4.8	6.4	2.7
16	17	25	40	e15	27	31	19	19	31	5.3	8.4	1.7
17	16	24	37	e12	25	27	20	15	25	3.4	8.3	1.4
18	17	23	34	11	23	27	27	15	22	2.7	5.6	1.3
19	17	23	32	9.1	22	22	28	35	23	2.3	4.1	2.1
20	20	23	33	8.7	22	30	23	47	20	2.0	3.0	3.3
21	22	24	38	e8.4	20	32	26	45	16	1.8	2.2	2.2
22	21	24	38	e8.2	18	31	57	39	18	1.9	1.7	1.7
23	21	23	35	8.4	18	29	68	34	16	1.5	1.9	1.5
24	19	23	33	8.3	21	27	67	47	12	1.4	2.4	1.6
25	17	23	31	11	29	25	53	51	9.2	1.4	1.9	1.5
26	15	27	30	10	34	24	43	39	8.7	2.0	1.6	2.2
27	14	57	30	10	37	21	39	30	13	9.8	1.5	2.5
28	13	57	29	e9.6	58	42	35	25	22	15	1.5	2.0
29	12	46	28	e9.4	60	49	31	21	17	12	1.5	1.7
30	12	40	28	e9.4	---	36	27	19	13	9.9	1.5	1.6
31	11	---	28	11	---	30	---	16	---	11	1.5	---
TOTAL	689	892	1041	578.5	571.2	1102	933	813	933.9	136.1	156.5	57.0
MEAN	22.2	29.7	33.6	18.7	19.7	35.5	31.1	26.2	31.1	4.39	5.05	1.90
MAX	45	57	40	36	60	54	68	51	144	15	11	3.9
MIN	11	11	28	8.2	7.0	21	18	15	8.7	1.4	1.5	1.3
CFSM	2.02	2.70	3.05	1.70	1.79	3.23	2.83	2.38	2.83	.40	.46	.17
IN.	2.33	3.02	3.52	1.96	1.93	3.73	3.16	2.75	3.16	.46	.53	.19

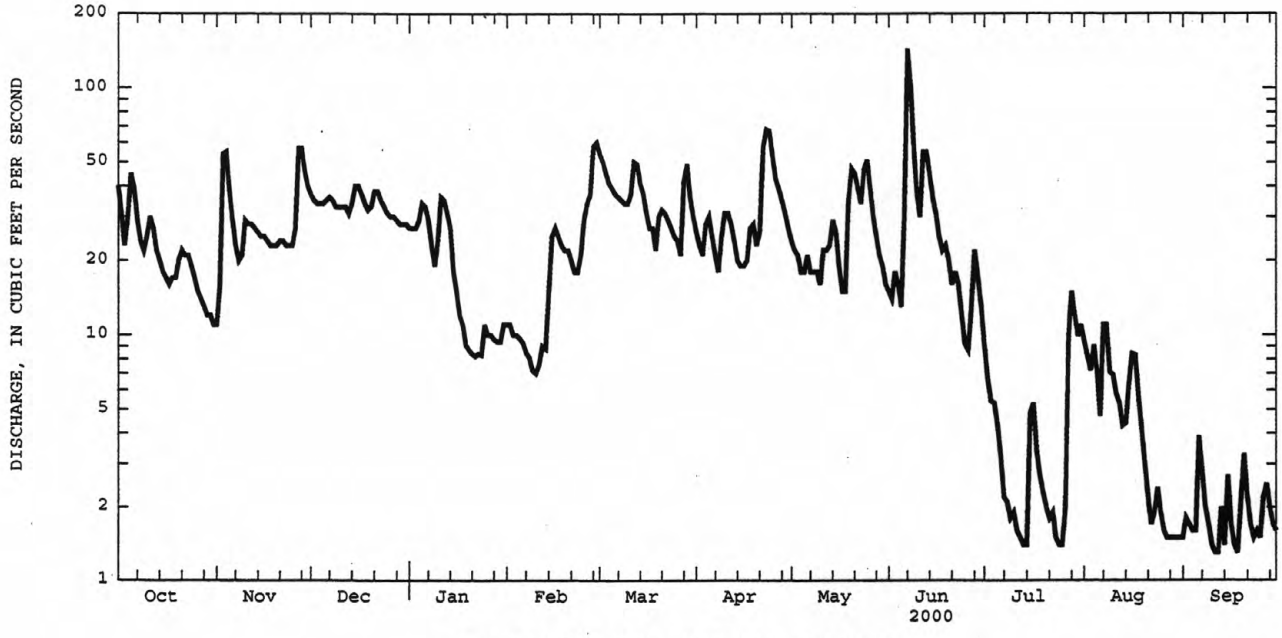
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	21.0	28.0	27.0	30.8	27.0	33.9	33.6	25.3	13.5	9.02	2.58	14.4
MAX	40.2	53.2	65.4	62.5	40.8	42.9	51.2	38.5	31.1	28.2	5.28	53.7
(WY)	1997	1996	1997	1996	1996	1999	1997	1998	2000	1996	1996	1999
MIN	4.51	11.8	7.54	17.9	19.6	24.1	13.3	15.5	2.53	.68	.018	.19
(WY)	1998	1999	1999	1997	1997	1997	1999	1999	1999	1999	1999	1997

e Estimated

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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	8254.29		7903.2			
ANNUAL MEAN	22.6		21.6		22.1	
HIGHEST ANNUAL MEAN					30.9	1996
LOWEST ANNUAL MEAN					17.6	1999
HIGHEST DAILY MEAN	823	Sep 17	144	Jun 7	823	Sep 17 1999
LOWEST DAILY MEAN	.01	Jul 30	1.3	Sep 11	.01	Sep 22 1997
ANNUAL SEVEN-DAY MINIMUM	.01	Jul 30	1.5	Aug 26	.01	Jul 30 1999
ANNUAL RUNOFF (CFSM)	2.06		1.96		2.01	
ANNUAL RUNOFF (INCHES)	27.91		26.73		27.35	
10 PERCENT EXCEEDS	43		39		45	
50 PERCENT EXCEEDS	19		21		17	
90 PERCENT EXCEEDS	.03		1.9		.54	



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01374598 HORSE POUND BROOK NEAR LAKE CARMEL, NY

LOCATION.--Lat 41°28'32", long 73°41'23", Putnam County, Hydrologic Unit 02030101, on left bank 100 ft downstream from Whangtown Road, and 1.8 mi northwest of Lake Carmel.
DRAINAGE AREA.--3.94 mi^2, revised.
PERIOD OF RECORD.--August 1996 to current year.
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 ft^3/s, those above 40 ft^3/s, and those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,070 ft^3/s, Sept. 16, 1999, gage height, 4.61 ft, from rating curve extended above 100 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, no flow part or all of each day Aug. 6-14, 20, 25-26, Sept. 3-5, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 45 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 14	--	a*53	b*2.12	June 7	0300	48	2.01
Feb. 28	0715	52	2.06				

a About.
b Ice jam.

Minimum discharge, 0.55 ft^3/s, Sept. 10, 11, 12, gage height, 0.66 ft.

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	4.3	8.2	5.1	4.3	31	7.7	8.3	4.7	3.2	2.1	.71
2	9.7	7.8	7.6	5.0	3.8	27	7.4	8.4	4.6	2.7	1.9	1.2
3	8.5	18	7.6	5.5	3.5	21	7.2	6.8	5.8	2.4	2.7	.96
4	24	8.7	7.8	7.1	3.4	18	15	5.8	3.4	2.5	3.2	.84
5	21	7.6	7.3	12	3.2	16	10	6.2	3.2	2.2	1.8	.73
6	15	7.4	8.3	6.6	3.0	14	8.3	6.0	21	1.8	1.5	.64
7	13	6.8	8.9	6.0	2.9	12	7.8	5.1	32	1.7	4.4	.62
8	11	6.4	6.3	5.6	2.6	12	7.6	4.8	19	1.5	2.0	.61
9	12	6.1	6.7	5.6	2.5	11	13	4.2	15	1.5	1.6	.61
10	14	5.9	7.2	11	2.6	10	13	4.5	11	1.5	2.0	.61
11	13	5.4	7.9	13	e2.7	15	12	8.0	13	1.3	1.6	.58
12	9.3	4.7	5.9	9.2	e2.8	24	11	6.8	28	1.2	1.7	.60
13	8.4	4.6	5.6	e8.8	e2.8	16	9.5	8.3	17	1.1	1.4	1.2
14	10	4.5	9.7	e8.0	e25	14	9.1	9.6	16	1.1	1.9	.79
15	7.8	4.4	13	e7.4	e9.0	13	8.9	5.3	13	4.8	2.0	2.5
16	7.0	4.1	9.8	e7.2	7.7	13	8.9	4.4	12	3.5	2.6	1.2
17	6.7	3.8	8.7	6.9	7.0	25	9.3	4.0	9.3	1.7	1.7	.87
18	9.2	3.6	8.2	e6.4	e6.8	15	11	6.1	9.9	1.6	1.4	.77
19	6.7	3.5	7.8	e6.0	e6.6	14	8.6	13	9.0	1.4	1.2	1.6
20	9.9	3.6	9.3	e5.6	6.6	13	7.6	12	6.8	1.3	1.1	3.3
21	8.9	4.5	14	e5.2	6.0	12	14	11	5.6	1.2	.98	1.4
22	7.5	4.1	9.5	e4.9	6.2	11	24	9.7	6.9	1.2	.96	.96
23	8.1	4.0	8.5	e4.7	6.8	10	20	9.7	4.8	1.0	1.1	.88
24	7.1	4.2	e8.2	e4.7	8.7	9.4	19	20	4.0	.98	1.3	.97
25	6.3	4.6	e7.6	e5.0	16	8.6	16	13	3.5	.96	1.0	.92
26	5.9	8.7	e7.4	e4.8	19	8.2	15	10	3.4	1.3	.89	1.4
27	5.6	25	6.9	e4.5	22	7.1	14	9.0	11	8.3	.82	1.7
28	5.2	12	e6.0	e4.3	46	18	12	7.8	8.2	3.1	.79	1.2
29	5.0	9.9	5.6	e4.0	36	11	11	6.8	4.9	1.9	.75	1.1
30	4.8	9.2	5.6	3.8	---	9.1	9.6	6.0	4.4	2.8	.72	.92
31	4.6	---	5.6	5.0	---	8.3	---	5.3	---	2.9	.71	---
TOTAL	298.2	207.4	246.7	198.9	275.5	446.7	347.5	245.9	310.4	65.64	49.82	32.39
MEAN	9.62	6.91	7.96	6.42	9.50	14.4	11.6	7.93	10.3	2.12	1.61	1.08
MAX	24	25	14	13	46	31	24	20	32	8.3	4.4	3.3
MIN	4.6	3.5	5.6	3.8	2.5	7.1	7.2	4.0	3.2	.96	.71	.58
CFSM	2.44	1.75	2.02	1.63	2.41	3.66	2.94	2.01	2.63	.54	.41	.27
IN.	2.82	1.96	2.33	1.88	2.60	4.22	3.28	2.32	2.93	.62	.47	.31

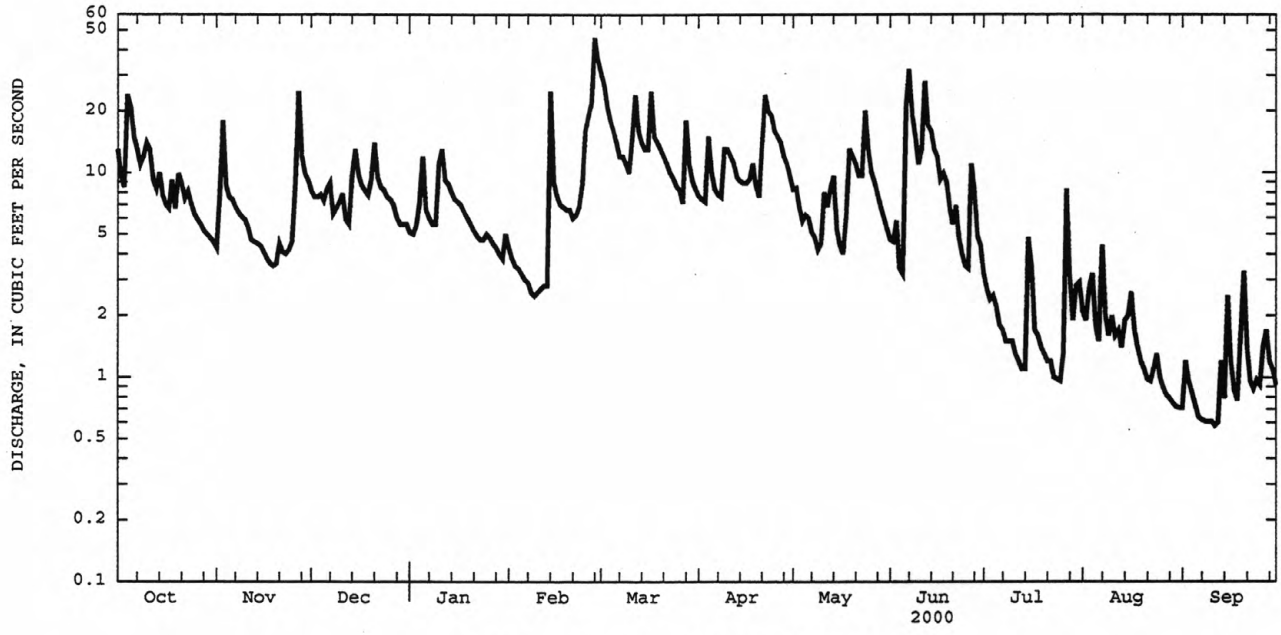
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	7.36	6.90	10.2	11.5	9.85	13.8	11.7	9.01	5.50	1.73	.86	5.91
MAX	16.5	12.0	24.4	20.0	13.0	15.6	18.3	13.0	10.3	3.63	1.61	20.7
(WY)	1997	1997	1997	1999	1999	1999	1997	1998	2000	1998	2000	1999
MIN	.86	2.81	2.58	6.42	6.94	12.0	6.28	6.00	1.59	.17	.031	.37
(WY)	1998	1999	1999	2000	1997	1997	1999	1999	1999	1999	1999	1997

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	3272.01		2725.05			
ANNUAL MEAN	8.96		7.45		7.84	
HIGHEST ANNUAL MEAN					9.22	1997
LOWEST ANNUAL MEAN					7.15	1998
HIGHEST DAILY MEAN	224	Sep 16	46	Feb 28	224	Sep 16 1999
LOWEST DAILY MEAN	.00	Aug 7	.58	Sep 11	.00	Aug 7 1999
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 7	.61	Sep 6	.00	Aug 7 1999
ANNUAL RUNOFF (CFSM)	2.28		1.89		1.99	
ANNUAL RUNOFF (INCHES)	30.89		25.73		27.05	
10 PERCENT EXCEEDS	19		14		16	
50 PERCENT EXCEEDS	6.6		6.4		5.8	
90 PERCENT EXCEEDS	.04		1.2		.49	

e Estimated

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

0137462010 WEST BRANCH CROTON RIVER NEAR CARMEL, NY

LOCATION.--Lat 41°24'42", long 73°41'39", Putnam County, Hydrologic Unit 02030101, on right bank 300 ft upstream from U.S. Highway 6, 500 ft downstream from dam on West Branch Reservoir, and 1.4 mi southwest of Carmel.
DRAINAGE AREA.--42.9 mi^2.
PERIOD OF RECORD.--March 1994 to current year.
REVISED RECORDS.--WDR NY-98-1: 1997.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 440 ft above sea level, from topographic map.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by West Branch Reservoir. Telephone gage-height telemeter at station. Also published as a NAWQA water-quality miscellaneous site.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 436 ft^3/s, June 16, 1998, gage height, 3.27 ft; minimum daily, about 0.30 ft^3/s, Feb. 8, 1998; minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45 ft^3/s, Oct. 4, gage height, 1.54 ft; minimum, 0.43 ft^3/s, July 26, gage height, 0.45 ft.

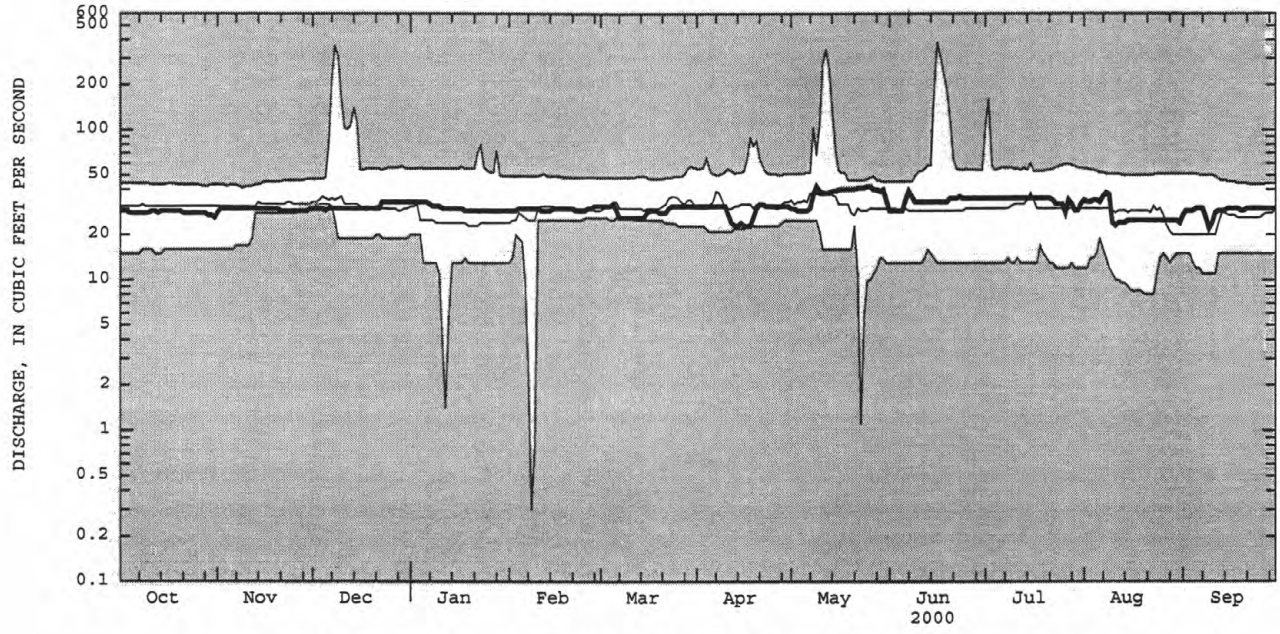
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	28	30	33	29	31	31	30	29	35	34	27
2	29	30	30	33	29	31	31	30	29	35	33	29
3	29	30	30	33	29	31	31	29	29	35	33	29
4	28	30	30	33	30	31	31	29	29	35	34	29
5	28	30	29	33	30	32	31	29	29	35	34	30
6	28	30	30	33	30	29	31	29	34	35	33	30
7	28	30	30	32	30	26	31	30	39	35	36	30
8	28	30	30	31	30	26	31	37	36	35	38	26
9	28	30	30	31	30	26	31	42	33	35	37	22
10	28	30	30	31	30	26	31	39	33	35	24	24
11	29	30	30	30	29	26	27	38	33	35	23	28
12	29	30	30	30	29	26	24	38	33	35	24	29
13	28	30	30	30	29	26	23	38	33	35	24	29
14	29	30	30	30	29	26	23	39	33	35	24	29
15	29	30	30	30	30	26	24	39	33	35	25	30
16	29	30	30	30	30	28	23	40	33	35	25	30
17	29	30	30	30	30	29	23	40	33	35	25	30
18	29	30	30	29	30	29	23	40	33	35	25	30
19	29	30	30	29	30	29	26	40	33	35	25	29
20	29	30	30	29	30	28	30	40	35	35	25	29
21	28	29	30	29	30	28	32	40	35	35	25	30
22	28	29	30	29	29	28	32	41	35	34	25	30
23	28	29	33	29	29	30	31	41	36	32	25	30
24	28	29	33	29	29	31	31	41	35	32	25	30
25	28	29	33	29	29	31	31	42	35	32	25	30
26	28	29	33	29	30	31	31	42	35	28	25	30
27	28	29	33	29	30	31	31	40	35	34	25	30
28	28	29	33	29	31	31	31	40	35	32	25	30
29	27	29	33	29	31	31	31	39	35	29	25	30
30	27	30	33	29	---	31	31	40	35	29	25	30
31	26	---	33	29	---	31	---	34	---	32	24	---
TOTAL	876	889	956	939	861	896	868	1156	1003	1049	855	869
MEAN	28.3	29.6	30.8	30.3	29.7	28.9	28.9	37.3	33.4	33.8	27.6	29.0
MAX	29	30	33	33	31	32	32	42	39	35	38	30
MIN	26	28	29	29	29	26	23	29	29	28	23	22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	29.8	31.8	40.5	29.4	31.9	33.0	35.8	38.4	37.2	33.9	28.8	26.7
MAX	43.3	44.2	73.7	55.5	48.6	48.5	54.0	69.5	75.9	55.2	51.2	46.5
(WY)	1995	1995	1997	1995	1995	1995	1994	1998	1998	1994	1994	1994
MIN	15.7	24.1	22.3	15.1	25.4	25.9	22.5	24.9	13.2	13.0	11.9	15.0
(WY)	1996	1996	1998	1999	1997	1997	1996	1999	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	9831		11217			
ANNUAL MEAN	26.9		30.6		31.6	
HIGHEST ANNUAL MEAN					38.4	1998
LOWEST ANNUAL MEAN					26.6	1996
HIGHEST DAILY MEAN	36	Mar 24	42	May 9	383	Jun 16 1998
LOWEST DAILY MEAN	13	Jan 5	22	Sep 9	.30	Feb 8 1998
ANNUAL SEVEN-DAY MINIMUM	13	Jan 5	23	Apr 12	8.2	Aug 17 1995
10 PERCENT EXCEEDS	31		35		50	
50 PERCENT EXCEEDS	30		30		30	
90 PERCENT EXCEEDS	16		26		16	



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

01374654 MIDDLE BRANCH CROTON RIVER NEAR CARMEL, NY

LOCATION.--Lat 41°25'56", long 73°39'07", Putnam County, Hydrologic Unit 02030101, on right bank 0.2 mi downstream from Fair Street bridge, 1.5 mi east of Carmel, and 1.8 mi downstream from dam on Lake Carmel.
DRAINAGE AREA.--13.7 mi^2.

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 ft^3/s, Sept. 17, 1999, gage height, 5.97 ft; minimum discharge, 1.0 ft^3/s, Sept. 14, 15, 2000; minimum gage height, 1.41 ft, Sept. 1, 2, 3, 4, 5, 1999.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 125 ft^3/s, Oct. 1, gage height, 3.35 ft; minimum, 1.0 ft^3/s, Sept. 14, 15, gage height, 1.46 ft.

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	69	7.2	101	11	11	101	8.6	28	18	14	13	1.3
2	78	9.7	56	11	11	102	8.6	28	15	12	12	1.6
3	72	9.2	8.0	11	11	101	25	27	16	12	12	1.9
4	37	20	8.0	24	11	52	41	24	14	11	15	1.8
5	26	44	7.9	32	11	26	22	22	13	8.0	10	1.6
6	37	44	8.2	32	11	28	7.5	21	34	5.9	7.9	1.4
7	37	43	8.2	32	11	26	7.3	19	82	4.7	18	1.4
8	34	43	8.0	31	11	35	7.5	18	79	3.5	12	1.3
9	33	43	7.7	31	11	44	8.9	17	57	3.0	8.6	1.3
10	36	22	9.5	33	11	43	8.3	16	38	3.0	11	1.3
11	39	7.2	12	32	11	46	8.0	21	34	2.7	8.2	1.3
12	35	7.2	11	31	11	46	9.6	22	67	2.3	6.8	1.1
13	32	7.2	12	31	11	69	19	25	61	2.0	5.4	1.6
14	34	7.2	24	e32	26	79	25	29	49	1.8	6.1	1.1
15	29	7.2	36	e45	40	54	27	24	43	4.5	6.7	3.6
16	26	15	36	e35	39	32	29	20	41	6.5	8.2	3.0
17	24	34	39	e29	39	51	30	17	35	5.2	7.6	2.1
18	38	34	43	e24	23	58	34	18	29	4.4	6.5	1.7
19	43	26	43	e20	14	58	32	26	28	3.8	5.9	2.8
20	44	7.2	42	e18	14	58	30	33	24	3.8	4.7	6.1
21	43	7.0	42	e16	14	50	35	37	24	3.5	3.8	4.7
22	42	9.9	41	e15	14	29	59	40	27	3.3	3.2	3.2
23	42	17	41	e14	22	18	62	34	20	2.5	3.7	2.4
24	42	14	41	13	40	24	59	46	16	2.1	4.7	2.5
25	41	6.8	41	12	e43	28	53	46	14	1.9	3.7	2.1
26	41	8.9	41	12	e50	29	48	42	14	2.7	2.9	2.7
27	28	11	40	12	60	28	44	33	19	11	2.4	3.3
28	7.4	8.2	22	27	81	57	40	26	24	9.9	2.0	2.7
29	7.3	54	11	11	98	51	37	23	19	8.4	1.6	2.0
30	7.3	93	11	11	---	32	33	23	16	9.7	1.4	1.7
31	7.2	---	11	11	---	36	---	21	---	15	1.4	---
TOTAL	1111.2	667.1	862.5	699	760	1491	858.3	826	970	184.1	216.4	66.6
MEAN	35.8	22.2	27.8	22.5	26.2	48.1	28.6	26.6	32.3	5.94	6.98	2.22
MAX	78	93	101	45	98	102	62	46	82	15	18	6.1
MIN	7.2	6.8	7.7	11	11	18	7.3	16	13	1.8	1.4	1.1

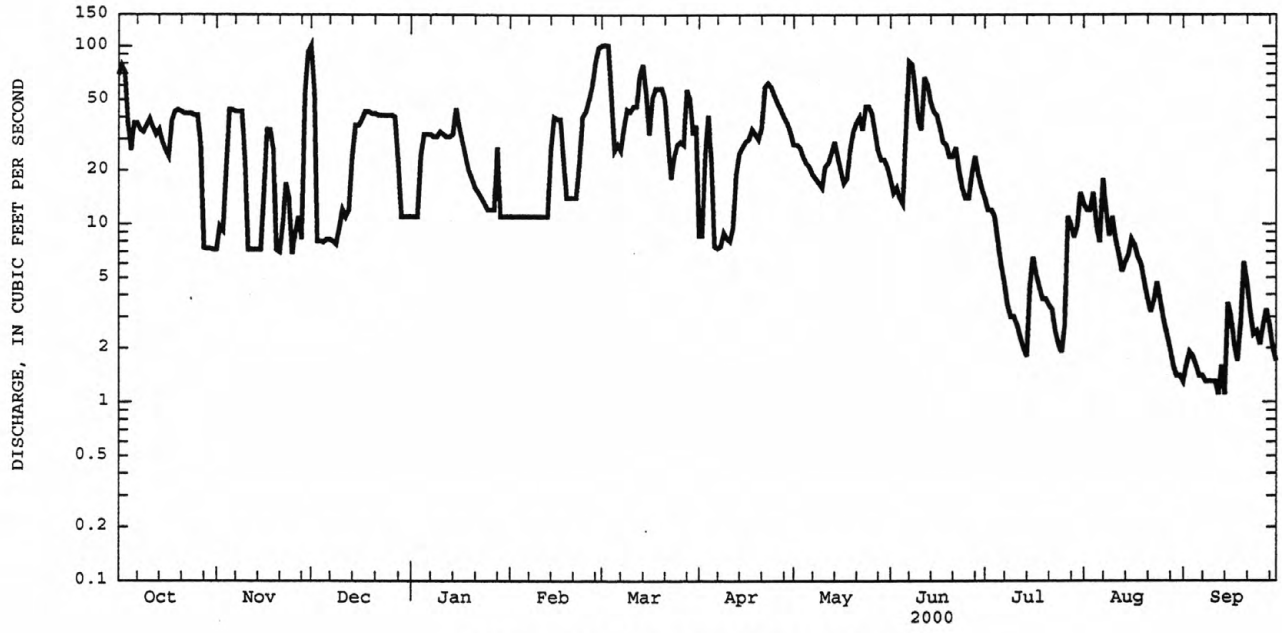
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	27.1	20.8	34.7	40.6	35.7	41.8	39.3	31.2	17.7	13.6	5.96	18.6
MAX	56.7	37.3	87.3	77.8	49.7	48.1	58.4	43.0	32.3	38.3	12.4	54.7
(WY)	1997	1997	1997	1996	1996	2000	1996	1998	2000	1996	1996	1999
MIN	7.34	5.39	9.18	19.0	26.2	37.8	18.5	17.9	5.89	2.71	2.25	2.22
(WY)	1998	1999	1999	1997	2000	1997	1999	1999	1999	1999	1999	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	9543.8		8712.2			
ANNUAL MEAN	26.1		23.8		24.9	
HIGHEST ANNUAL MEAN					31.0	1997
LOWEST ANNUAL MEAN					20.9	1999
HIGHEST DAILY MEAN	585	Sep 17	102	Mar 2	585	Sep 17 1999
LOWEST DAILY MEAN	1.8	Sep 3	1.1	Sep 12	1.1	Sep 12 2000
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 29	1.3	Sep 8	1.3	Sep 8 2000
10 PERCENT EXCEEDS	68		47		58	
50 PERCENT EXCEEDS	13		18		18	
90 PERCENT EXCEEDS	2.3		2.8		2.7	

e Estimated

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

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 to September 2000.
CHEMICAL DATA: 1996 (a).
PESTICIDE DATA: 1996 (a), 2000 (e).
ORGANIC DATA: OC--1996 (a).
PCB--1996 (a).
PCN--1996 (a).
NUTRIENT DATA: 1996 (a).
REMARKS.--Pesticide data were analyzed using the USGS Schedule 2001/2010 method (see table following the Introduction to the Hudson NAWQA section near the end of this report). Only pesticides detected in one or more samples are listed in the table below. 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SAMPLING METHOD, CODES (82398)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	PROMETON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)
MAY							
16...	1200	21	10	<.005	E.006	E.004	<.004
19...	1200	29	10	<.005	E.007	E.009	<.004
24...	1125	124	10	<.005	E.006	E.007	<.004
24...	1200	58	10	<.005	<.018	E.006	<.004
JUN							
06...	1525	52	50	<.005	E.005	E.006	<.004
07...	1325	86	10	<.005	E.005	E.006	<.004
07...	1330	86	50	<.005	E.006	E.006	<.004
07...	1650	82	50	<.005	E.006	E.006	<.004
08...	1135	89	50	<.005	E.005	E.005	<.004
19...	1400	28	10	E.004	E.007	E.005	<.004
27...	1550	47	50	<.005	E.007	E.005	<.004
JUL							
10...	1350	3.0	10	<.005	E.009	E.005	<.004
15...	1450	7.5	50	<.005	.236	<.002	<.004
15...	1740	8.5	50	<.005	.311	<.002	<.004
21...	2020	3.4	50	<.005	E.008	E.003	<.004
27...	0345	19	50	<.005	E.016	<.002	<.004
27...	0445	15	50	<.005	.022	<.002	<.004
AUG							
28...	1450	1.9	10	<.005	E.007	<.002	<.004
28...	1500	1.9	50	<.005	E.007	<.002	<.004
*28...	1501	1.9	50	<.005	<.018	<.002	<.004
SEP							
14...	1115	1.1	10	<.005	E.009	E.004	<.004
15...	0150	1.9	50	<.005	E.004	<.002	<.004
15...	0550	6.4	50	<.005	<.018	<.002	<.004
19...	1640	2.4	50	<.005	<.018	<.002	<.004
19...	2115	9.9	50	<.005	<.018	<.002	<.004

DATE	METOLACHLOR WATER DISSOLV (UG/L) (39415)	MALATHION, DISSOLVED (UG/L) (39532)	DIAZINON, DISSOLVED (UG/L) (39572)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
MAY							
16...	<.002	<.005	<.002	.007	<.010	<.003	<.004
19...	.007	<.005	<.002	.012	<.010	<.003	<.004
24...	E.004	<.005	<.002	.009	<.010	E.010	<.004
24...	E.004	<.005	<.002	.009	<.010	E.010	<.004
JUN							
06...	.004	<.005	<.002	.007	<.010	<.003	<.004
07...	<.002	<.005	.004	.007	<.010	<.003	<.004
07...	<.002	<.005	<.005	.007	<.010	<.003	<.004
07...	.004	<.005	.007	.007	<.010	<.003	<.004
08...	E.004	<.005	.006	.008	<.010	<.003	<.004
19...	E.003	<.005	.005	.007	<.010	<.003	<.004
27...	E.004	<.005	.007	.007	<.010	<.003	<.004
JUL							
10...	<.002	<.005	.006	.005	<.010	<.003	<.004
15...	<.002	<.005	.016	.004	<.010	<.003	<.004
15...	<.002	<.005	.044	E.004	<.010	<.003	<.004
21...	<.002	<.005	.009	.004	<.010	E.007	<.004
27...	.005	<.005	.008	.004	<.010	<.003	<.004
27...	.005	<.005	.011	E.003	<.010	<.003	<.004
AUG							
28...	<.002	<.005	.008	.004	<.010	<.003	<.004
28...	<.002	<.005	.008	<.005	<.010	<.003	<.004
*28...	<.002	<.005	.005	<.001	<.010	<.003	<.004
SEP							
14...	<.002	<.005	.004	E.003	<.010	<.003	<.004
15...	<.002	<.005	<.002	<.001	<.010	<.003	<.004
15...	<.002	<.005	.011	<.001	<.010	<.003	<.004
19...	<.002	<.005	<.010	<.001	<.010	<.003	<.004
19...	<.002	<.005	<.002	<.001	<.010	<.003	<.004

E Estimated.
* Replicate.

01374701 WEST BRANCH CROTON RIVER NEAR CROTON FALLS, NY

LOCATION.--Lat 41°21'28", long 73°40'07", Putnam County, Hydrologic Unit 02030101, on right bank 500 ft downstream from dam on Croton Falls Reservoir, 0.7 mi north of Croton Falls, 1.0 mi upstream from mouth, and 4.0 mi southwest of Brewster.
DRAINAGE AREA.--80.4 mi^2.
PERIOD OF RECORD.--January 1994 to current year.
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 210 ft above 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 ft^3/s, Jan. 27, 1996, gage height, 3.79 ft, from rating curve extended above 580 ft^3/s; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 507 ft^3/s, Mar. 17, gage height, 2.75 ft; minimum, 40 ft^3/s, part of each day July 16, 19, 23-26, gage height, 1.33 ft.

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	168	83	277	95	67	364	178	134	104	77	61	43
2	152	124	164	94	60	346	160	152	101	68	60	43
3	152	249	154	96	58	308	151	120	118	63	67	44
4	229	193	137	113	60	276	182	115	82	62	86	44
5	239	195	125	175	57	232	168	115	84	65	64	44
6	205	202	133	145	55	203	155	113	193	51	50	44
7	199	211	159	146	54	185	146	104	368	58	103	43
8	178	172	126	139	53	178	143	108	301	48	77	44
9	178	164	120	135	53	177	185	106	297	43	63	43
10	190	155	130	154	53	186	168	100	265	43	61	43
11	194	165	157	171	56	226	157	122	228	44	56	43
12	162	115	113	159	60	332	164	116	248	43	58	43
13	152	116	115	e150	58	283	136	132	228	42	57	43
14	182	117	150	e130	126	280	128	188	225	42	64	43
15	140	113	178	110	153	270	125	150	217	42	56	43
16	135	99	171	e100	158	242	136	132	195	42	62	43
17	133	78	165	e80	167	354	129	119	169	42	55	43
18	223	68	168	e56	186	262	155	122	160	42	48	43
19	127	86	162	e45	176	250	147	172	141	42	56	43
20	163	90	166	e42	145	239	138	173	118	42	50	43
21	163	91	192	48	129	226	178	184	97	42	46	43
22	152	84	175	53	121	209	262	183	108	42	43	43
23	151	81	e160	53	122	191	249	181	94	42	43	43
24	148	88	e150	53	137	178	255	232	79	42	43	43
25	137	95	e140	75	191	170	228	217	73	42	43	43
26	134	117	137	80	240	166	214	198	70	42	43	43
27	141	202	129	66	268	157	200	180	82	46	43	43
28	112	169	124	59	343	234	188	165	93	61	43	42
29	106	165	113	56	354	221	173	146	88	56	43	42
30	100	226	102	55	---	206	180	129	91	59	43	42
31	94	---	100	78	---	202	---	116	---	59	43	---
TOTAL	4939	4113	4592	3011	3760	7353	5178	4524	4717	1534	1730	1292
MEAN	159	137	148	97.1	130	237	173	146	157	49.5	55.8	43.1
MAX	239	249	277	175	354	364	262	232	368	77	103	44
MIN	94	68	100	42	53	157	125	100	70	42	43	42

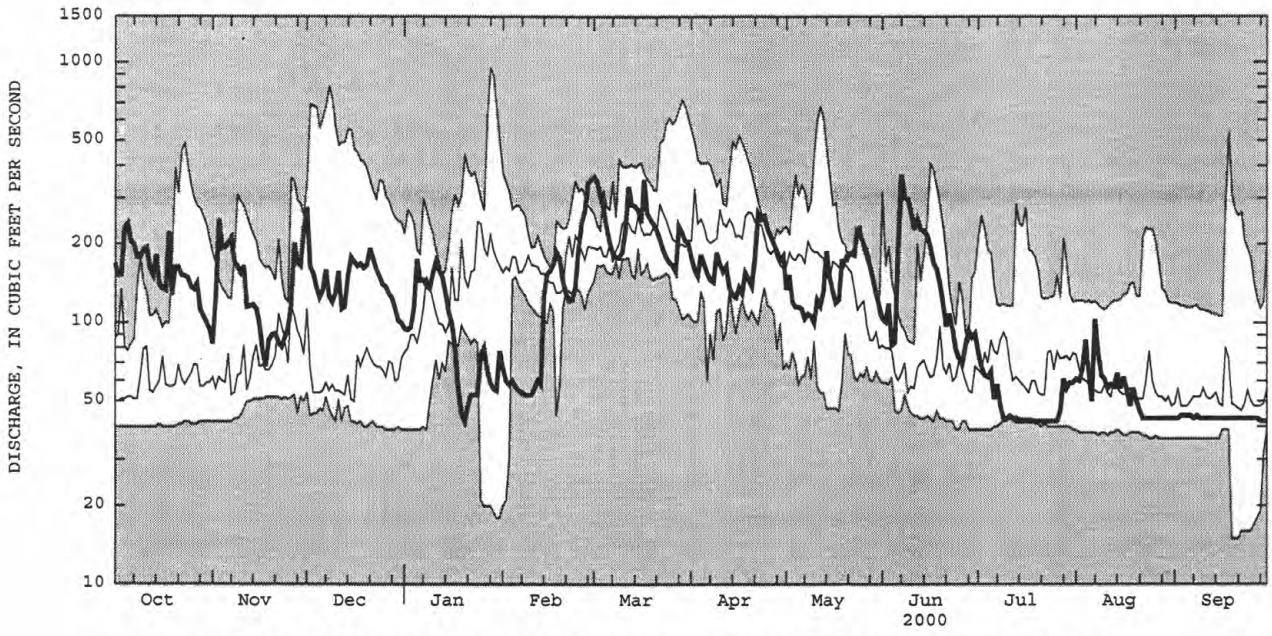
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	97.2	103	168	163	169	247	221	157	93.9	79.2	69.9	67.2
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	50.0	45.4	97.1	130	177	122	91.3	49.0	41.5	37.4	39.4
(WY)	1998	1996	1999	2000	2000	1995	1995	1995	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	44342		46743			
ANNUAL MEAN	121		128		132	
HIGHEST ANNUAL MEAN					170	1997
LOWEST ANNUAL MEAN					100	1999
HIGHEST DAILY MEAN	538	Sep 18	368	Jun 7	954	Jan 28 1996
LOWEST DAILY MEAN	36	Aug 24	42	Jan 20	15	Sep 19 1995
ANNUAL SEVEN-DAY MINIMUM	36	Aug 27	42	Jul 13	16	Sep 19 1995
10 PERCENT EXCEEDS	216		226		265	
50 PERCENT EXCEEDS	115		123		109	
90 PERCENT EXCEEDS	38		43		42	

e Estimated

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



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

01374821 TITICUS RIVER AT PURDYS STATION, NY

LOCATION.--Lat 41°19'37", long 73°39'22", Westchester County, Hydrologic Unit 02030101, on left bank 40 ft upstream from bridge on State Highway 22 in Purdys Station, 0.3 mi upstream from mouth, and 0.45 mi downstream from dam on Titicus Reservoir.
DRAINAGE AREA.--23.8 mi^2.
PERIOD OF RECORD.--March 1994 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 210 ft above sea level, from topographic map.
REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Titicus Reservoir. Telephone gage-height telemeter at station. Also published as a NAWQA water-quality miscellaneous site.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 561 ft^3/s, Jan. 28, 1996, gage height, 5.23 ft, from rating curve extended above 120 ft^3/s; minimum discharge, 1.5 ft^3/s, Sept. 3, 6, 1996, Aug. 9, 2000; minimum gage height, 1.07 ft, Aug. 9, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 147 ft^3/s, Apr. 5, gage height, 3.19 ft; minimum, 1.5 ft^3/s, Aug. 9, gage height, 1.07 ft.

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

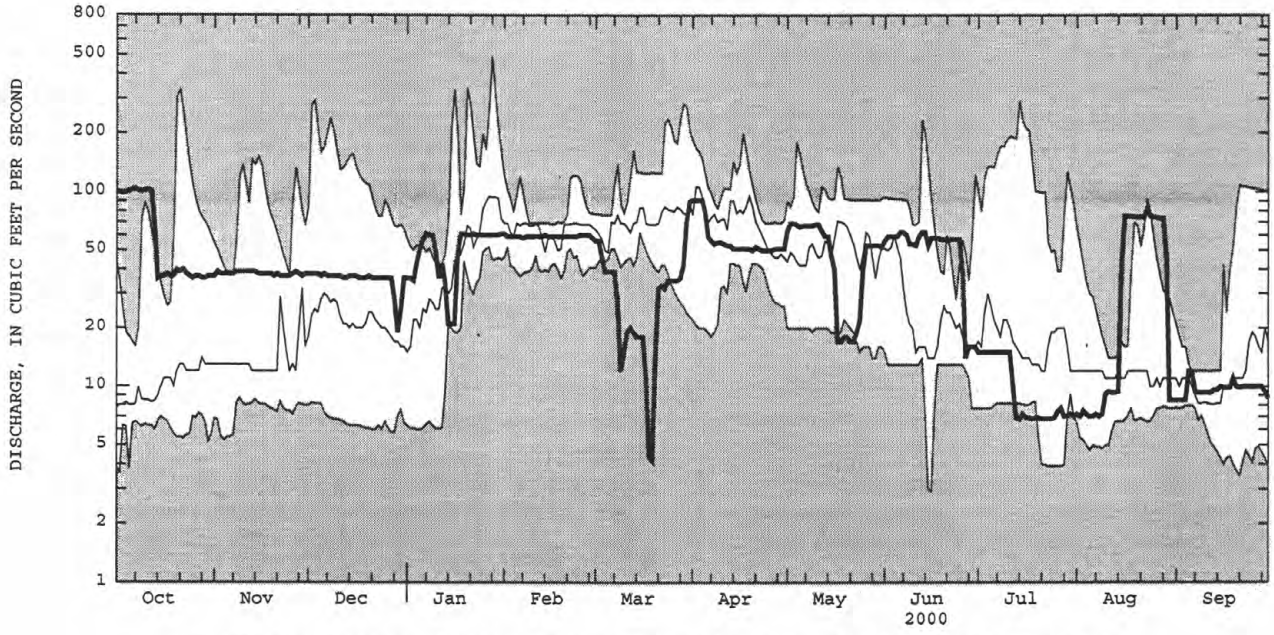
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	37	38	36	61	56	91	63	56	15	7.2	8.5
2	100	39	38	36	59	56	91	69	59	15	7.0	8.5
3	99	38	38	35	59	46	91	69	59	15	7.5	8.5
4	100	38	38	43	59	39	91	68	59	15	7.2	8.5
5	101	38	37	51	59	39	79	66	59	15	7.0	12
6	103	38	38	57	59	39	59	67	62	15	7.0	12
7	104	38	37	61	58	39	56	67	62	15	7.2	9.4
8	102	39	37	60	59	27	54	67	60	15	7.0	9.3
9	101	39	37	60	59	12	55	67	54	15	7.2	9.3
10	102	39	37	49	59	15	55	68	54	15	9.1	9.3
11	103	39	37	36	59	19	54	68	53	15	9.4	9.3
12	101	39	36	43	59	20	53	63	59	10	9.3	9.3
13	68	39	36	34	59	19	53	59	62	6.9	9.3	9.6
14	36	39	37	21	60	18	51	59	62	6.8	9.4	9.6
15	37	38	37	21	59	18	51	47	53	7.2	42	10
16	37	38	37	21	59	18	51	40	58	6.9	75	9.9
17	38	38	36	48	59	11	51	17	58	6.9	75	9.9
18	37	38	36	61	59	4.4	51	17	58	6.8	75	9.9
19	37	38	36	61	59	4.2	51	18	57	6.9	74	11
20	40	37	37	60	59	14	50	18	57	6.9	74	10
21	39	38	36	60	59	32	52	17	57	6.8	74	9.9
22	40	37	36	61	59	33	51	17	57	6.8	74	10
23	38	37	36	60	59	32	50	19	57	6.8	82	10
24	37	37	36	60	59	35	50	22	57	6.8	75	10
25	36	37	36	60	60	35	50	40	57	6.9	74	10
26	37	38	36	60	60	35	50	53	39	7.4	74	10
27	37	39	36	60	60	35	51	53	14	7.7	73	10
28	36	38	28	60	60	36	51	53	16	7.0	73	10
29	36	37	19	60	58	42	51	53	16	7.0	45	9.4
30	37	38	25	60	---	70	51	53	16	7.2	8.5	8.7
31	37	---	36	61	---	89	---	52	---	7.0	8.5	---
TOTAL	1957	1142	1100	1556	1716	987.6	1745	1509	1547	307.7	1186.8	291.8
MEAN	63.1	38.1	35.5	50.2	59.2	31.9	58.2	48.7	51.6	9.93	38.3	9.73
MAX	104	39	38	61	61	89	91	69	62	15	82	12
MIN	36	37	19	21	58	4.2	50	17	14	6.8	7.0	8.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	30.6	31.5	44.2	61.6	62.8	64.7	68.8	53.1	37.4	36.4	18.3	16.9
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	7.48	6.74	31.6	45.0	31.9	32.5	22.5	13.1	6.95	6.37	6.33
(WY)	1998	1998	1998	1998	1995	2000	1995	1995	1995	1999	1997	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	15593.5		15045.9			
ANNUAL MEAN	42.7		41.1		43.1	
HIGHEST ANNUAL MEAN					66.0	1997
LOWEST ANNUAL MEAN					28.6	1995
HIGHEST DAILY MEAN	108	Sep 21	104	Oct 7	492	Jan 28 1996
LOWEST DAILY MEAN	2.9	Jun 16	4.2	Mar 19	2.9	Jun 16 1999
ANNUAL SEVEN-DAY MINIMUM	3.9	Jul 21	6.8	Jul 18	3.9	Jul 21 1999
10 PERCENT EXCEEDS	98		68		92	
50 PERCENT EXCEEDS	37		38		35	
90 PERCENT EXCEEDS	8.2		8.6		8.0	

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°36'09", Westchester County, Hydrologic Unit 02030101, on left bank 20 ft downstream from bridge on Ward Pound Ridge Reservation, 0.7 mi upstream from Cross River Reservoir, and 0.7 mi east of Cross River.
DRAINAGE AREA.--17.1 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1974, 1976-77. December 1995 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 335 ft above 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 ft^3/s, Sept. 17, 1999, gage height, 6.68 ft, outside gage height was 6.96 ft, from crest-stage gage; minimum discharge, 0.16 ft^3/s, Aug. 3, 4, 6, 7, 8, 1999, gage height, 1.16 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	0515	*159	*3.53				

Minimum discharge, 1.3 ft^3/s, Sept. 10, 11, 12, 13, gage height, 1.41 ft.

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	43	18	30	e26	22	53	33	27	17	8.1	27	2.7
2	35	30	26	e25	e20	46	31	27	16	6.7	25	2.7
3	28	93	24	e28	19	41	30	25	18	8.1	23	2.6
4	35	76	24	32	18	37	36	23	15	11	33	2.5
5	47	62	24	47	17	35	33	21	13	8.8	24	2.1
6	39	48	29	36	16	33	29	21	53	6.6	17	1.9
7	32	41	42	32	e15	31	27	20	139	5.3	18	1.6
8	27	36	33	28	e14	31	25	20	103	4.2	15	1.5
9	24	33	30	26	e14	30	42	15	73	3.6	13	1.4
10	28	32	29	40	e15	33	42	15	51	3.6	13	1.4
11	34	30	31	56	e16	47	36	22	40	3.2	9.4	1.4
12	28	27	26	43	e18	91	33	24	50	2.7	12	1.4
13	24	26	25	37	e21	74	29	24	40	2.4	10	5.1
14	29	24	35	e35	48	60	26	48	37	2.2	14	3.4
15	26	23	52	e40	63	50	25	33	39	17	16	9.7
16	23	21	45	e28	46	45	30	24	33	28	19	5.9
17	24	19	39	e23	40	72	31	22	29	20	14	3.8
18	42	18	35	e19	39	63	41	25	33	15	12	2.9
19	34	17	31	e17	35	55	36	41	32	7.5	11	7.8
20	37	17	40	e16	31	47	31	39	30	8.0	8.0	31
21	40	19	95	e15	29	43	40	38	25	9.0	6.0	16
22	34	18	73	e14	28	39	66	35	27	15	4.8	9.8
23	32	17	62	13	32	37	61	32	21	7.8	5.8	6.8
24	31	18	50	14	42	34	54	51	17	6.1	8.2	6.1
25	29	27	e43	14	57	32	44	45	14	5.0	5.5	5.1
26	26	33	e37	15	60	28	39	37	12	10	4.8	5.4
27	24	59	e33	18	58	23	38	30	16	41	4.9	7.8
28	23	47	e31	18	69	61	35	26	23	38	4.0	5.6
29	21	38	e29	17	61	50	33	23	13	28	3.5	4.6
30	20	35	e28	16	---	44	30	20	10	26	3.0	4.0
31	19	---	e27	27	---	37	---	19	---	27	2.8	---
TOTAL	938	1002	1158	815	963	1402	1086	872	1039	384.9	386.7	164.0
MEAN	30.3	33.4	37.4	26.3	33.2	45.2	36.2	28.1	34.6	12.4	12.5	5.47
MAX	47	93	95	56	69	91	66	51	139	41	33	31
MIN	19	17	24	13	14	23	25	15	10	2.2	2.8	1.4
CFSM	1.77	1.95	2.18	1.54	1.94	2.64	2.12	1.64	2.03	.73	.73	.32
IN.	2.04	2.18	2.52	1.77	2.09	3.05	2.36	1.90	2.26	.84	.84	.36

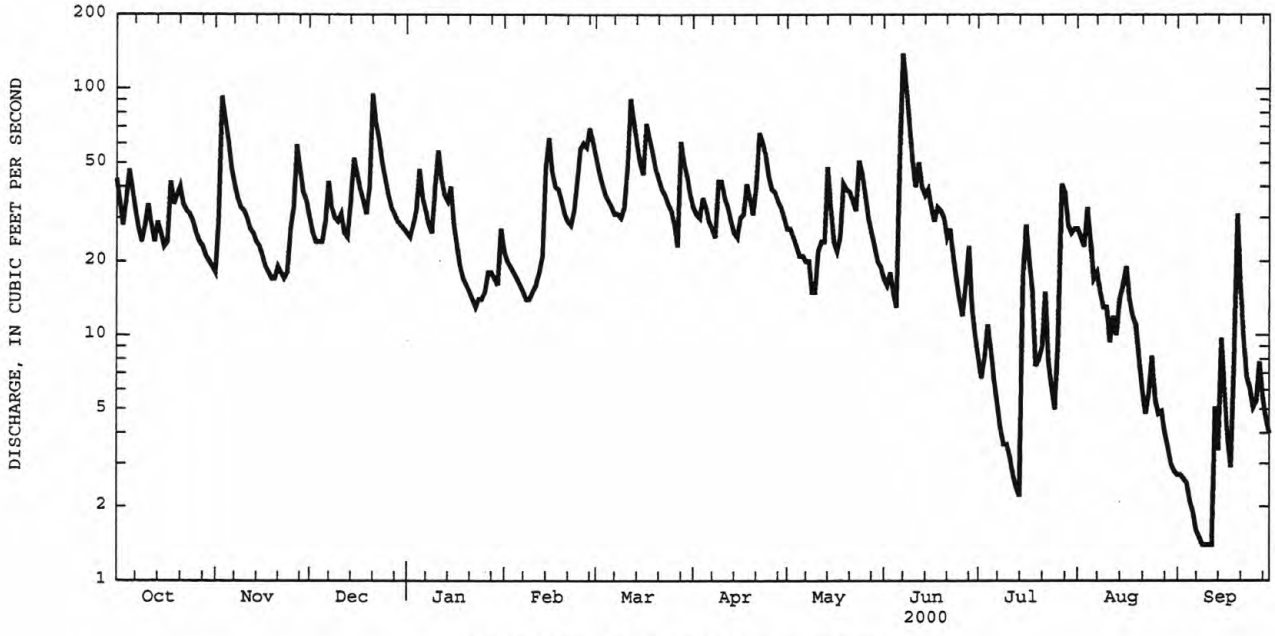
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	25.5	30.4	45.2	55.3	49.6	57.2	50.1	39.3	18.0	13.2	6.02	16.7
MAX	61.2	51.3	111	89.7	59.8	76.8	72.9	55.0	34.6	35.9	12.5	58.6
(WY)	1997	1997	1997	1996	1996	1998	1996	1998	2000	1996	2000	1999
MIN	2.80	7.13	6.36	26.3	33.2	39.0	30.7	28.1	6.77	1.38	.64	1.37
(WY)	1998	1999	1999	2000	2000	1997	1999	2000	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	12845.13		10210.6			
ANNUAL MEAN	35.2		27.9		32.1	
HIGHEST ANNUAL MEAN					40.5	1997
LOWEST ANNUAL MEAN					27.9	2000
HIGHEST DAILY MEAN	560	Sep 17	139	Jun 7	560	Sep 17 1999
LOWEST DAILY MEAN	.21	Aug 4	1.4	Sep 9	.21	Aug 4 1999
ANNUAL SEVEN-DAY MINIMUM	.23	Aug 2	1.5	Sep 6	.23	Aug 2 1999
ANNUAL RUNOFF (CFSM)	2.06		1.63		1.88	
ANNUAL RUNOFF (INCHES)	27.94		22.21		25.52	
10 PERCENT EXCEEDS	76		49		73	
50 PERCENT EXCEEDS	28		27		25	
90 PERCENT EXCEEDS	.82		5.5		2.0	

e Estimated

01374890 CROSS RIVER NEAR CROSS RIVER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01374901 CROSS RIVER AT KATONAH, NY

LOCATION.--Lat 41°15'58", long 73°39'58", Westchester County, Hydrologic Unit 02030101, on left bank 600 ft downstream from dam on Cross River Reservoir, and 1.5 mi northeast of Katonah.
DRAINAGE AREA.--29.9 mi^2.
PERIOD OF RECORD.--March 1994 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 210 ft above 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 ft^3/s, Sept. 17, 1999, gage height, 5.50 ft, from rating curve extended above 220 ft^3/s; minimum recorded discharge, 0.01 ft^3/s, part or all of each day, Oct. 7-9, 14-18, 27-28, Nov. 3-4, 1997, but may have been less during these days; minimum gage height, 1.24 ft, Nov. 17, 1998.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 276 ft^3/s, June 7, gage height, 3.21 ft; minimum, 8.0 ft^3/s, Aug. 23, 26, 27, 28, gage height, 1.33 ft.

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

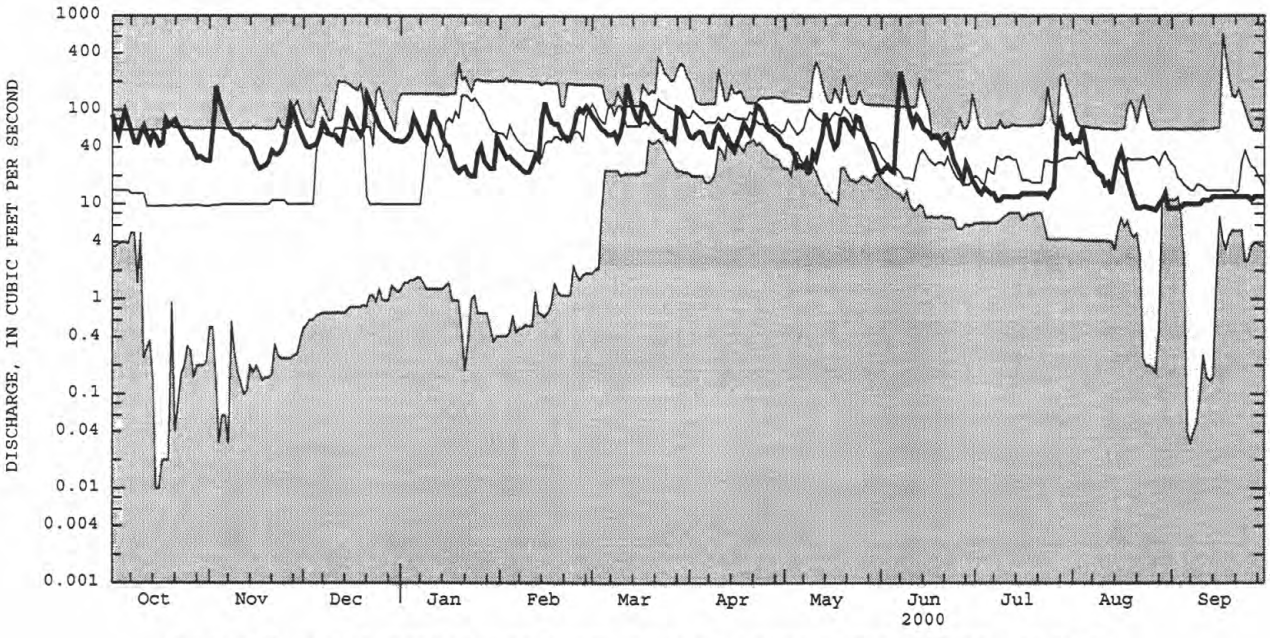
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	29	48	46	43	87	53	42	22	16	45	9.1
2	68	61	41	47	36	79	51	41	24	14	47	9.1
3	53	177	40	50	31	70	56	40	26	13	46	9.1
4	73	129	42	58	32	63	59	35	23	15	65	9.3
5	98	101	43	84	29	60	58	25	22	14	45	10
6	77	81	53	70	27	55	46	26	87	13	28	10
7	59	68	75	58	25	55	41	25	254	13	28	10
8	45	59	65	50	23	58	41	29	184	11	23	10
9	45	55	56	46	22	48	60	22	124	11	21	10
10	58	54	54	69	22	58	69	35	91	12	20	10
11	67	50	54	99	26	87	61	30	71	12	16	11
12	53	45	47	77	33	189	52	41	87	12	17	11
13	45	43	44	68	30	141	46	54	78	12	13	11
14	57	40	63	51	81	104	41	93	65	12	21	12
15	51	33	97	43	120	85	37	70	61	12	30	12
16	42	27	86	41	92	75	47	50	58	13	37	12
17	44	24	71	30	75	118	56	40	51	13	28	12
18	79	25	61	24	71	111	73	44	54	13	18	12
19	68	26	54	22	71	90	64	80	54	13	14	12
20	74	29	63	24	59	79	56	81	46	13	11	12
21	79	37	145	25	52	70	71	76	41	13	9.2	12
22	67	34	123	21	48	65	114	64	51	13	9.1	12
23	59	34	100	20	51	60	109	57	39	13	9.4	12
24	51	37	84	20	64	60	95	85	29	12	9.4	12
25	45	44	68	35	91	50	78	82	25	14	9.1	12
26	43	67	61	41	103	50	62	63	21	15	8.9	11
27	36	111	57	29	96	46	60	53	18	64	8.7	12
28	31	95	53	26	110	106	56	43	27	78	10	12
29	32	71	49	24	100	101	53	36	23	55	11	12
30	30	58	47	24	---	81	46	29	18	51	13	12
31	29	---	47	51	---	64	---	23	---	54	9.1	---
TOTAL	1746	1744	1991	1373	1663	2465	1811	1514	1774	639	679.9	332.6
MEAN	56.3	58.1	64.2	44.3	57.3	79.5	60.4	48.8	59.1	20.6	21.9	11.1
MAX	98	177	145	99	120	189	114	93	254	78	65	12
MIN	29	24	40	20	22	46	37	22	18	11	8.7	9.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	25.6	28.9	48.8	67.3	69.7	85.3	80.5	71.8	40.4	32.9	32.0	32.2
MAX	62.9	63.9	84.4	161	189	117	119	120	83.5	67.0	63.4	84.7
(WY)	1997	1997	1995	1997	1997	1999	1996	1996	1996	1996	1996	1999
MIN	1.40	.22	.86	1.07	.96	54.2	38.2	25.9	10.7	7.90	5.12	4.55
(WY)	1998	1998	1998	1998	1998	1998	1995	1995	1999	1999	1997	1997

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	20934.9		17732.5			
ANNUAL MEAN	57.4		48.4		50.1	
HIGHEST ANNUAL MEAN					71.4	1997
LOWEST ANNUAL MEAN					26.8	1998
HIGHEST DAILY MEAN	644	Sep 17	254	Jun 7	644	Sep 17 1999
LOWEST DAILY MEAN	5.6	Jun 25	8.7	Aug 27	.01	Oct 15 1997
ANNUAL SEVEN-DAY MINIMUM	5.9	Jun 25	9.1	Aug 21	.09	Oct 13 1997
10 PERCENT EXCEEDS	123		87		118	
50 PERCENT EXCEEDS	45		46		42	
90 PERCENT EXCEEDS	7.9		12		6.1	

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.
DRAINAGE AREA.--18.7 mi^2.
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 ft^3/s, Sept. 16, 1999, gage height, 6.76 ft; minimum discharge, 1.1 ft^3/s, Aug. 4, 5, 1999; minimum gage height, 0.94 ft, July 14, Sept. 7, 9, 11, 12, 13, 2000.
EXTREMES FOR CURRENT PERIOD.--June to September 1999: Maximum discharge, 2,200 ft^3/s, Sept. 16, gage height, 6.76 ft, minimum, 1.1 ft^3/s, Aug. 4, 5, gage height, 0.95 ft.

Water year 2000: Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2345	174	2.45	June 6	1645	*191	*2.53
Mar. 12	0345	153	2.35				

Minimum discharge, 5.1 ft^3/s, July 14, Sept. 7, 9, 11, 12, 13, gage height, 0.94 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	8.0	2.0	2.4
2	---	---	---	---	---	---	---	---	---	7.8	1.7	2.1
3	---	---	---	---	---	---	---	---	---	8.7	1.5	2.1
4	---	---	---	---	---	---	---	---	---	6.9	1.5	1.8
5	---	---	---	---	---	---	---	---	---	6.1	1.6	2.2
6	---	---	---	---	---	---	---	---	---	5.3	1.8	4.2
7	---	---	---	---	---	---	---	---	---	4.4	1.6	5.5
8	---	---	---	---	---	---	---	---	---	3.8	2.0	18
9	---	---	---	---	---	---	---	---	---	3.5	2.7	11
10	---	---	---	---	---	---	---	---	9.5	3.6	2.2	35
11	---	---	---	---	---	---	---	---	9.0	3.5	3.2	14
12	---	---	---	---	---	---	---	---	8.7	3.1	2.9	8.5
13	---	---	---	---	---	---	---	---	8.9	3.1	2.3	6.2
14	---	---	---	---	---	---	---	---	9.0	3.0	16	5.1
15	---	---	---	---	---	---	---	---	8.8	3.0	24	e5.0
16	---	---	---	---	---	---	---	---	7.9	2.8	9.3	e450
17	---	---	---	---	---	---	---	---	7.7	2.6	5.9	e550
18	---	---	---	---	---	---	---	---	8.1	2.4	4.1	138
19	---	---	---	---	---	---	---	---	7.1	3.8	3.1	66
20	---	---	---	---	---	---	---	---	6.7	4.3	2.8	43
21	---	---	---	---	---	---	---	---	8.4	3.5	4.1	60
22	---	---	---	---	---	---	---	---	8.6	3.2	4.6	68
23	---	---	---	---	---	---	---	---	7.2	5.0	3.8	49
24	---	---	---	---	---	---	---	---	6.3	3.7	3.1	37
25	---	---	---	---	---	---	---	---	5.8	3.0	2.7	30
26	---	---	---	---	---	---	---	---	5.4	2.7	4.0	25
27	---	---	---	---	---	---	---	---	4.9	3.8	5.2	22
28	---	---	---	---	---	---	---	---	5.0	2.8	4.4	21
29	---	---	---	---	---	---	---	---	8.5	2.3	3.6	19
30	---	---	---	---	---	---	---	---	11	1.9	2.8	52
31	---	---	---	---	---	---	---	---	---	1.9	2.5	---
TOTAL	---	---	---	---	---	---	---	---	---	123.5	133.0	1753.1
MEAN	---	---	---	---	---	---	---	---	---	3.98	4.29	58.4
MAX	---	---	---	---	---	---	---	---	---	8.7	24	550
MIN	---	---	---	---	---	---	---	---	---	1.9	1.5	1.8
CFSM	---	---	---	---	---	---	---	---	---	.21	.23	3.12
IN.	---	---	---	---	---	---	---	---	---	.25	.26	3.49

e Estimated

01374918 STONE HILL RIVER SOUTH OF KATONAH, NY--Continued

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

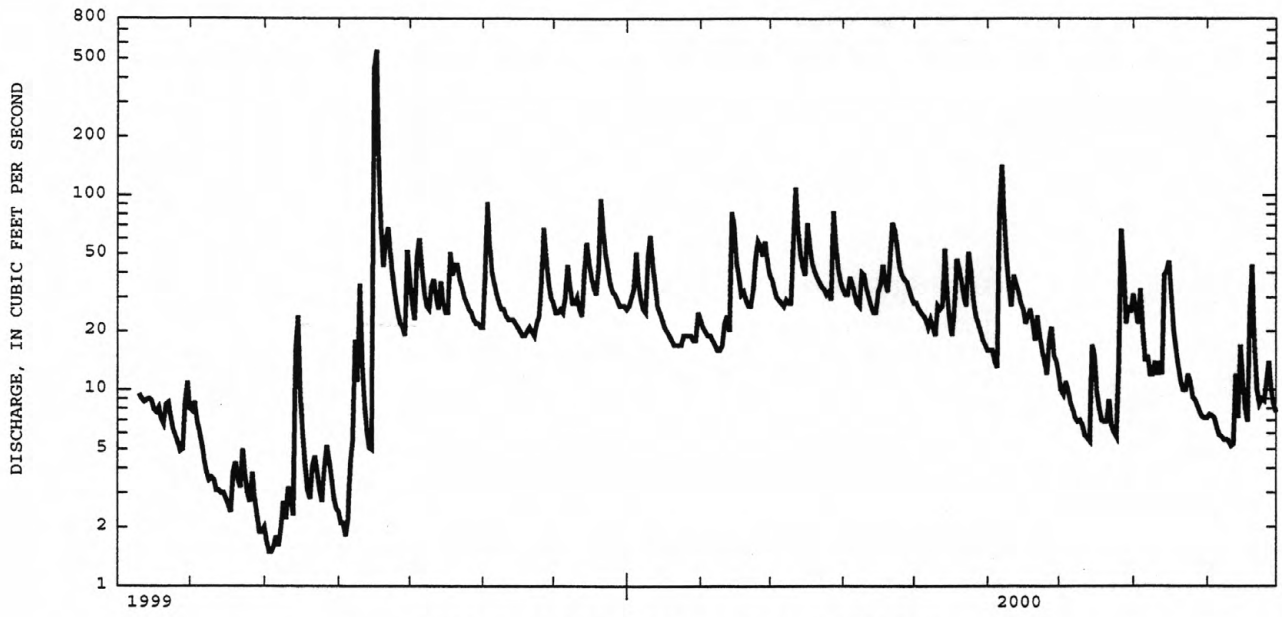
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	21	28	26	e23	39	33	28	16	12	31	7.2
2	28	40	25	27	e21	37	31	28	16	10	26	7.5
3	23	92	25	30	e20	33	31	26	16	9.5	22	7.4
4	48	55	26	33	e19	30	38	25	14	11	33	7.2
5	60	40	25	51	19	29	35	24	13	9.9	20	6.5
6	42	35	30	35	18	28	31	23	82	8.6	14	5.9
7	32	31	44	29	17	27	28	21	143	7.9	15	5.8
8	27	28	34	26	e16	29	27	23	77	7.2	12	5.6
9	26	26	28	25	e16	28	40	21	47	6.9	12	5.6
10	34	26	28	49	17	28	39	19	34	7.0	14	5.5
11	37	24	30	62	22	56	33	27	27	6.6	12	5.2
12	30	23	26	44	24	110	30	26	39	5.9	14	5.3
13	26	23	24	e35	20	67	27	27	35	5.7	12	12
14	36	23	40	e27	82	50	25	53	32	5.5	39	7.2
15	28	22	57	e25	69	43	25	31	28	17	41	17
16	25	21	46	e23	45	39	32	23	26	15	46	11
17	25	20	38	e21	38	72	35	19	22	9.6	30	8.0
18	51	19	34	e20	31	55	44	26	24	8.0	20	6.9
19	39	19	31	e19	32	45	36	47	26	7.0	16	25
20	44	20	42	e18	29	41	32	42	22	6.9	13	44
21	44	21	96	e17	27	38	46	36	18	6.9	11	17
22	37	20	66	e17	27	36	72	30	24	8.9	10	10
23	34	19	50	17	33	34	66	27	19	6.6	10	8.5
24	30	22	42	17	47	33	54	51	16	6.1	12	9.0
25	28	24	35	19	58	31	43	41	14	5.8	11	8.8
26	26	36	32	19	55	32	39	29	12	14	9.2	11
27	25	68	31	e19	49	29	37	24	18	67	8.9	14
28	23	48	29	e19	58	83	36	22	21	43	8.3	10
29	22	36	27	e18	46	56	33	20	15	22	7.7	8.4
30	22	30	27	e18	---	42	30	18	14	27	7.3	7.7
31	21	---	27	e25	---	36	---	17	---	25	7.2	---
TOTAL	1010	932	1123	830	978	1336	1108	874	910	409.5	544.6	310.2
MEAN	32.6	31.1	36.2	26.8	33.7	43.1	36.9	28.2	30.3	13.2	17.6	10.3
MAX	60	92	96	62	82	110	72	53	143	67	46	44
MIN	21	19	24	17	16	27	25	17	12	5.5	7.2	5.2
CFSM	1.74	1.66	1.94	1.43	1.80	2.30	1.98	1.51	1.62	.71	.94	.55
IN.	2.01	1.85	2.23	1.65	1.95	2.66	2.20	1.74	1.81	.81	1.08	.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	32.6	31.1	36.2	26.8	33.7	43.1	36.9	28.2	30.3	8.60	10.9	34.4
MAX	32.6	31.1	36.2	26.8	33.7	43.1	36.9	28.2	30.3	13.2	17.6	58.4
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999
MIN	32.6	31.1	36.2	26.8	33.7	43.1	36.9	28.2	30.3	3.98	4.29	10.3
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999	1999	2000

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	10365.3			
ANNUAL MEAN	28.3		28.3	
HIGHEST ANNUAL MEAN			28.3	2000
LOWEST ANNUAL MEAN			28.3	2000
HIGHEST DAILY MEAN	143	Jun 7	550	Sep 17 1999
LOWEST DAILY MEAN	5.2	Sep 11	1.5	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	5.6	Sep 6	1.7	Aug 1 1999
ANNUAL RUNOFF (CFSM)	1.51		1.51	
ANNUAL RUNOFF (INCHES)	20.62		20.58	
10 PERCENT EXCEEDS	48		47	
50 PERCENT EXCEEDS	26		22	
90 PERCENT EXCEEDS	8.5		3.8	

e Estimated



DAILY MEAN DISCHARGE - JUNE 1999 TO SEPTEMBER 2000.

01374930 MUSCOOT RIVER AT BALDWIN PLACE, NY

LOCATION.--Lat 41°20'17", long 73°46'09", Westchester County, Hydrologic Unit 02030101, on left bank 30 ft upstream from bridge on State Highway 6, and 0.7 mi southwest of Baldwin Place.
DRAINAGE AREA.--13.5 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1954, 1976-77. October 1995 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 505 ft above 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. Also published as a NAWQA water-quality miscellaneous site.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,020 ft^3/s, Sept. 16, 1999, gage height, 9.42 ft, from rating curve extended above 450 ft^3/s on basis of contracted-opening measurement; minimum discharge, 0.21 ft^3/s, Aug. 3, 4, 7, 8, 1999, gage height, 3.58 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 130 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 4	1915	*105	*5.30				

Minimum discharge, 1.5 ft^3/s, July 14, 15, gage height, 3.81 ft.

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

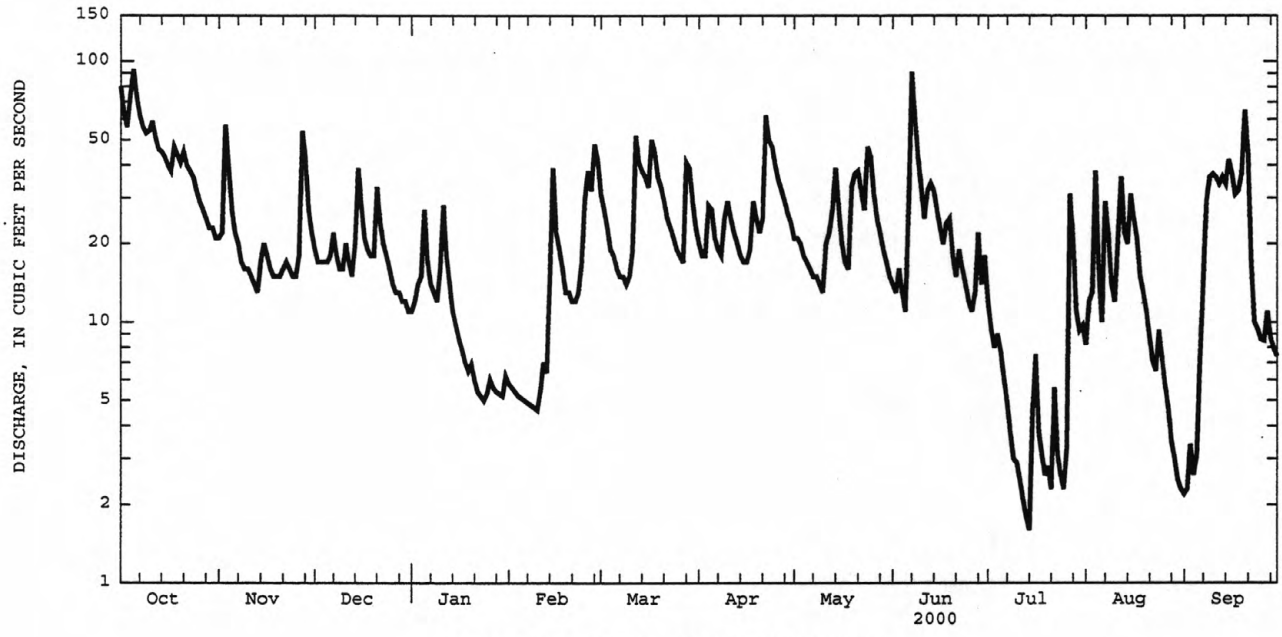
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	21	19	e11	e5.8	31	20	21	14	12	8.2	2.2
2	63	22	17	12	e5.6	27	18	21	13	9.4	12	2.3
3	56	57	17	14	e5.4	23	18	20	16	8.0	13	3.4
4	74	39	17	15	e5.2	19	28	18	13	9.0	38	2.6
5	93	27	17	27	e5.1	18	27	17	11	7.7	16	3.1
6	73	22	18	e17	e5.0	16	21	16	28	6.1	10	7.2
7	62	20	22	14	e4.9	15	19	15	91	4.9	29	14
8	56	17	18	13	e4.8	15	18	15	61	3.8	22	29
9	53	16	16	12	e4.7	14	25	14	43	3.0	14	36
10	54	16	16	16	e4.6	15	29	13	33	2.9	12	37
11	59	15	20	28	e5.4	19	25	20	25	2.5	21	36
12	51	14	17	18	e7.0	52	22	22	32	2.1	36	34
13	46	13	15	e14	e6.4	41	20	27	34	1.8	22	36
14	45	17	20	e11	e15	38	18	39	32	1.6	20	34
15	43	20	39	e9.7	39	36	17	27	27	4.5	31	42
16	40	18	28	e8.6	22	33	17	20	23	7.5	25	37
17	38	16	21	e7.8	19	50	19	17	20	3.8	21	31
18	47	15	19	e7.0	16	45	29	16	24	3.1	15	32
19	44	15	18	e6.5	13	36	25	33	25	2.6	13	37
20	41	15	18	e6.9	13	33	22	37	18	2.8	11	65
21	45	16	33	e6.0	12	29	25	38	15	2.3	8.8	44
22	40	17	24	e5.4	12	25	62	32	19	5.6	7.1	17
23	38	16	20	e5.2	13	23	50	27	16	3.1	6.5	10
24	36	15	e18	e5.0	17	21	47	47	14	2.6	9.3	9.4
25	32	15	e16	e5.3	30	19	40	43	12	2.3	7.3	8.6
26	29	18	e14	e6.0	38	18	35	31	11	3.3	5.7	8.5
27	27	54	e13	e5.6	32	17	32	25	13	31	4.7	11
28	25	42	e13	5.4	48	41	29	22	22	21	3.5	8.7
29	23	27	e12	e5.3	42	39	26	19	14	11	3.0	7.9
30	23	22	e12	e5.2	---	29	24	17	18	9.3	2.5	7.4
31	21	---	e11	e6.2	---	23	---	15	---	9.7	2.3	---
TOTAL	1457	657	578	329.1	450.9	860	807	744	737	200.3	449.9	653.3
MEAN	47.0	21.9	18.6	10.6	15.5	27.7	26.9	24.0	24.6	6.46	14.5	21.8
MAX	93	57	39	28	48	52	62	47	91	31	38	65
MIN	21	13	11	5.0	4.6	14	17	13	11	1.6	2.3	2.2
CFSM	3.48	1.62	1.38	.79	1.15	2.05	1.99	1.78	1.82	.48	1.08	1.61
IN.	4.01	1.81	1.59	.91	1.24	2.37	2.22	2.05	2.03	.55	1.24	1.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	25.6	30.8	29.3	34.7	30.4	35.6	36.9	34.6	18.4	15.0	5.60	23.0
MAX	47.0	53.1	80.4	61.9	49.8	48.5	56.8	47.0	44.2	55.3	14.5	72.9
(WY)	2000	1996	1997	1996	1996	1999	1997	1998	1998	1996	2000	1999
MIN	6.07	18.0	9.45	10.6	15.5	27.7	17.5	19.0	3.21	.86	.64	2.93
(WY)	1998	1999	1999	2000	2000	2000	1999	1999	1999	1999	1999	1997

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	9332.08		7923.5			
ANNUAL MEAN	25.6		21.6		26.6	
HIGHEST ANNUAL MEAN					35.4	1996
LOWEST ANNUAL MEAN					21.6	1999
HIGHEST DAILY MEAN	593	Sep 17	93	Oct 5	593	Sep 17 1999
LOWEST DAILY MEAN	.23	Aug 3	1.6	Jul 14	.23	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	.26	Aug 2	2.5	Jul 8	.26	Aug 2 1999
ANNUAL RUNOFF (CFSM)	1.89		1.60		1.97	
ANNUAL RUNOFF (INCHES)	25.72		21.83		26.79	
10 PERCENT EXCEEDS	57		42		54	
50 PERCENT EXCEEDS	17		18		19	
90 PERCENT EXCEEDS	.48		5.2		2.1	

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01374941 MUSCOOT RIVER BELOW DAM AT AMAWALK, NY

LOCATION.--Lat 41°17'15", long 73°45'13", Westchester County, Hydrologic Unit 02030101, on left bank 20 ft upstream from bridge on State Highway 35 (Amawalk Road), 500 ft downstream from dam on Amawalk Reservoir, and 1.0 mi east of Amawalk.
DRAINAGE AREA.--19.7 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water year 1976. March 1994 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 340 ft above sea level, from topographic map.
REMARKS.--Records poor. Flow regulated by Amawalk Reservoir. Telephone gage-height telemeter at station. Also published as a NAWQA water-quality miscellaneous site.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 283 ft^3/s, July 16, 1996, gage height, 10.02 ft, from rating curve extended above 120 ft^3/s; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 265 ft^3/s, Oct. 4, gage height, 9.88 ft, from rating curve extended above 120 ft^3/s; maximum gage height, 10.00 ft, Dec. 30; minimum discharge not determined.

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	80	29	53	148	67	12	13	13	14	13	13	14
2	71	32	44	147	67	12	12	12	14	13	14	14
3	61	62	40	147	67	12	12	12	15	13	13	14
4	74	65	39	146	67	12	12	12	15	13	13	13
5	108	58	39	145	67	12	11	12	15	13	13	13
6	109	50	38	145	66	12	11	12	16	14	13	14
7	100	41	38	e100	66	12	11	12	16	14	13	14
8	91	33	38	145	66	e14	11	34	15	14	13	14
9	86	29	38	145	66	16	11	13	15	14	13	14
10	85	28	38	145	66	16	11	12	15	14	13	14
11	87	26	37	145	66	17	11	12	15	15	17	14
12	82	23	38	137	65	17	11	12	15	15	18	13
13	76	21	38	126	65	17	12	12	14	15	18	13
14	72	20	38	126	65	17	12	12	14	15	17	13
15	66	20	38	126	65	17	13	12	14	16	17	14
16	61	20	50	126	65	17	13	15	14	16	18	14
17	57	20	71	126	36	17	13	14	14	16	17	14
18	64	19	80	125	13	17	13	13	14	15	16	14
19	60	19	79	124	12	16	12	13	13	15	16	15
20	62	19	128	123	13	16	12	14	13	15	16	15
21	65	19	150	123	13	16	13	14	13	14	16	15
22	63	19	149	123	13	16	13	14	14	14	15	15
23	60	e22	148	122	13	15	13	14	13	13	15	15
24	55	e24	147	122	13	14	13	14	13	13	15	15
25	50	27	147	121	12	14	13	14	12	13	15	15
26	49	27	146	121	12	14	13	14	12	13	15	15
27	47	45	146	121	13	14	13	14	13	13	14	15
28	41	56	145	121	13	15	13	14	13	12	14	15
29	37	51	145	120	12	14	13	14	13	13	14	15
30	34	e54	117	120	---	14	13	14	13	13	14	15
31	32	---	149	88	---	14	---	14	---	12	14	---
TOTAL	2085	978	2591	3999	1244	458	367	427	419	431	462	427
MEAN	67.3	32.6	83.6	129	42.9	14.8	12.2	13.8	14.0	13.9	14.9	14.2
MAX	109	65	150	148	67	17	13	34	16	16	18	15
MIN	32	19	37	88	12	12	11	12	12	12	13	13

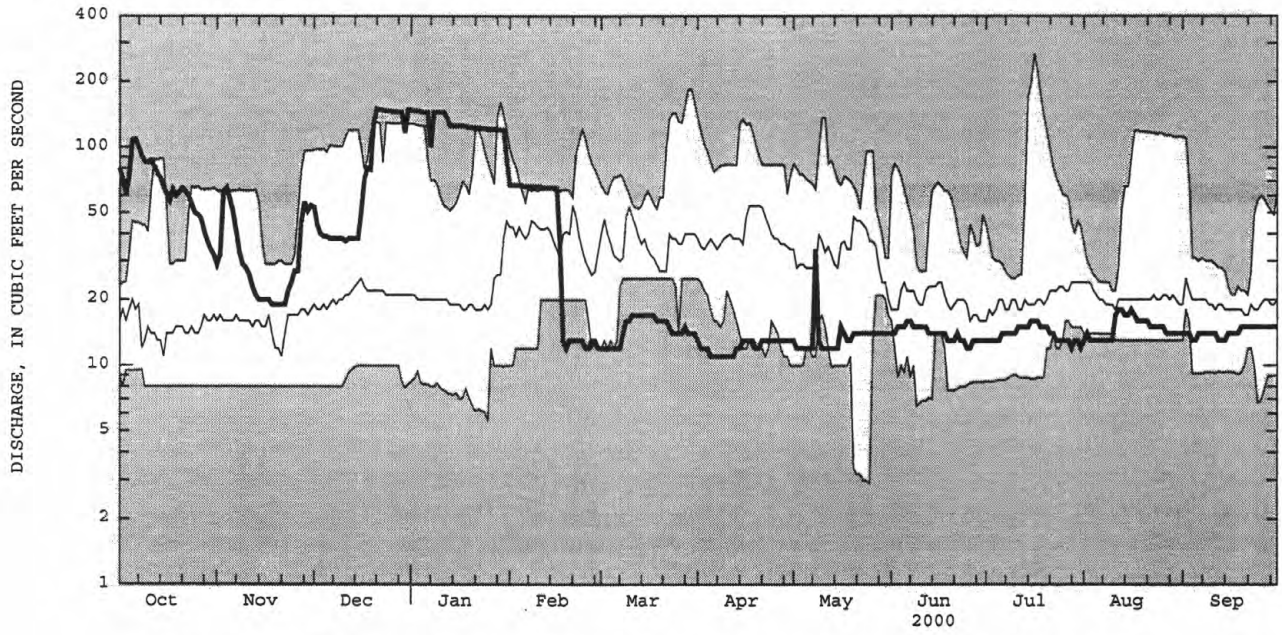
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	28.5	23.7	45.9	49.9	41.3	36.0	42.7	34.4	22.7	26.1	26.6	20.1
MAX	67.3	54.1	112	129	65.9	62.1	83.6	58.6	48.2	70.8	73.4	28.9
(WY)	2000	1997	1997	2000	1996	1999	1994	1996	1998	1996	1996	1996
MIN	9.62	8.00	10.0	8.02	17.3	14.8	12.2	13.8	10.8	12.8	13.3	10.4
(WY)	1998	1999	1998	1999	1998	2000	2000	2000	1999	1997	1997	1997

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	12246.0		13888			
ANNUAL MEAN	33.6		37.9		32.7	
HIGHEST ANNUAL MEAN					44.2	1996
LOWEST ANNUAL MEAN					20.5	1999
HIGHEST DAILY MEAN	150	Dec 21	150	Dec 21	269	Jul 16 1996
LOWEST DAILY MEAN	5.6	Jan 25	11	Apr 5	2.9	May 25 1995
ANNUAL SEVEN-DAY MINIMUM	6.3	Jan 19	11	Apr 5	4.2	May 19 1995
10 PERCENT EXCEEDS	71		121		72	
50 PERCENT EXCEEDS	21		15		21	
90 PERCENT EXCEEDS	8.4		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.

01374976 ANGLE FLY BROOK AT WHITEHALL CORNERS, NY

LOCATION.--Lat 41°16'57", long 73°43'33", Westchester County, Hydrologic Unit 02030101, on left bank 20 ft downstream from bridge on State Highway 35, 0.6 mi upstream from Muscoot Reservoir, and 1.0 mi northeast of Whitehall Corners.
DRAINAGE AREA.--3.01 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water year 1976. December 1995 to current year.
REVISED RECORDS.--WDR NY-99-1: 1996-98(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 230 ft above 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 ft^3/s, 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, 918 ft^3/s, Sept. 16, 1999, gage height, 4.94 ft, from rating curve extended above 105 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; minimum discharge, no flow part or all of many days during July to October 1997 and 1998, July to September 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 80 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2145	*64	*2.79				

Minimum discharge, 0.11 ft^3/s, July 13, 14, 25, Sept. 12, gage height, 1.10 ft.

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	8.5	2.2	2.8	2.8	2.2	6.6	4.7	4.1	2.3	1.1	10	.34
2	4.8	10	2.7	2.9	2.1	6.3	4.6	4.4	2.2	.62	4.3	.53
3	4.0	19	2.8	3.5	1.9	5.5	4.5	3.9	2.3	1.8	3.4	.72
4	9.9	8.1	e3.3	5.3	1.9	4.9	7.4	3.4	1.7	2.3	4.0	.47
5	8.8	5.4	3.0	8.2	1.8	4.8	5.3	3.2	1.7	1.0	1.6	.32
6	4.9	4.2	4.2	3.8	1.7	4.4	4.4	2.9	21	1.0	1.1	.26
7	3.4	3.3	5.1	3.2	1.6	4.1	4.0	2.6	28	.98	2.0	.21
8	2.9	3.2	e3.5	2.9	1.5	4.3	3.8	3.2	8.2	.57	1.1	.20
9	3.1	3.2	e3.3	2.9	1.4	4.2	7.9	2.5	4.9	.70	.83	.22
10	5.3	3.2	e3.0	7.3	1.6	4.3	6.0	3.1	3.7	.45	.64	.21
11	4.8	2.9	e3.3	7.7	e1.7	13	4.8	4.7	3.4	.30	8.5	.18
12	3.2	2.8	e3.0	4.4	e1.8	21	4.3	4.4	7.4	.23	5.1	.18
13	2.7	2.7	e2.9	e3.5	2.0	9.7	3.8	4.6	5.5	.19	2.1	1.3
14	4.5	2.7	e6.0	e2.5	18	7.1	3.6	11	4.6	.17	3.3	.34
15	3.0	2.6	9.0	e2.0	11	6.5	3.6	3.7	4.0	2.7	2.9	3.8
16	2.6	2.5	5.8	e1.8	6.3	6.1	4.3	2.7	3.3	1.2	4.6	.93
17	2.7	2.3	4.4	e1.7	5.1	15	5.4	2.3	3.6	.68	1.8	.46
18	6.7	2.3	3.9	e1.6	3.8	8.6	6.7	4.8	4.7	.70	1.4	.34
19	3.7	2.2	3.6	1.6	4.4	6.8	4.8	9.0	3.6	.50	1.3	5.3
20	5.8	2.4	5.9	1.6	3.7	6.0	4.1	7.2	3.1	.43	.95	6.5
21	5.1	2.7	9.3	e1.6	3.7	5.6	12	5.9	2.8	.54	.80	1.4
22	3.9	2.6	5.4	1.6	4.0	5.3	16	4.5	3.4	.66	.70	.69
23	3.9	2.6	4.3	1.7	5.3	4.9	11	4.1	2.0	.28	1.0	.55
24	3.3	2.7	3.8	1.8	9.3	4.7	8.7	12	1.5	.20	1.2	.68
25	2.9	2.9	3.1	1.9	13	4.4	6.8	7.5	1.4	.19	.77	.55
26	2.7	6.2	3.0	1.9	10	4.1	6.2	4.4	1.2	2.6	e.60	1.1
27	2.6	14	3.0	1.9	8.9	3.8	6.1	3.5	2.9	11	e.50	1.1
28	2.5	6.1	2.8	1.8	12	16	5.5	3.2	2.6	3.2	e.40	.67
29	2.4	3.8	2.7	1.7	7.8	7.4	5.1	2.9	1.8	1.4	e.37	.55
30	2.3	3.2	2.8	1.7	---	5.6	4.4	2.7	1.8	2.8	e.36	.52
31	2.2	---	2.8	2.8	---	5.0	---	2.5	---	2.3	.36	---
TOTAL	129.1	134.0	124.5	91.6	149.5	216.0	179.8	140.9	140.6	42.79	67.98	30.62
MEAN	4.16	4.47	4.02	2.95	5.16	6.97	5.99	4.55	4.69	1.38	2.19	1.02
MAX	9.9	19	9.3	8.2	18	21	16	12	28	11	10	6.5
MIN	2.2	2.2	2.7	1.6	1.4	3.8	3.6	2.3	1.2	.17	.36	.18
CFSM	1.38	1.48	1.33	.98	1.71	2.31	1.99	1.51	1.56	.46	.73	.34
IN.	1.60	1.66	1.54	1.13	1.85	2.67	2.22	1.74	1.74	.53	.84	.38

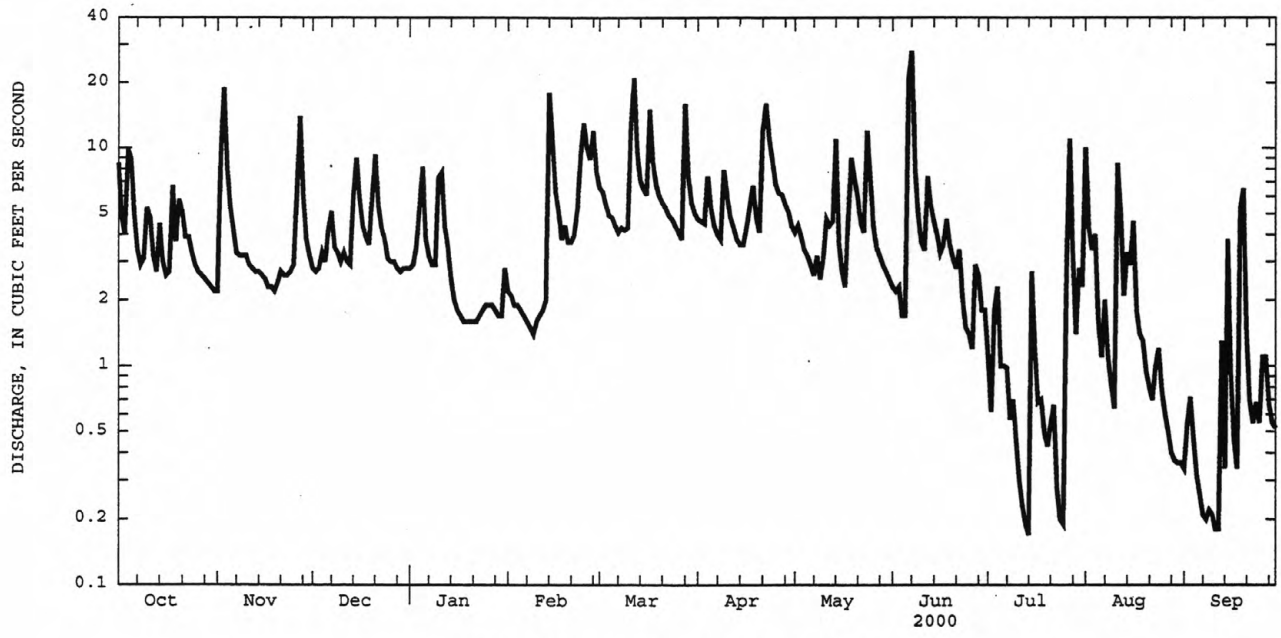
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	3.54	3.81	6.20	7.96	6.74	8.52	7.78	6.18	3.17	3.16	1.06	3.68
MAX	8.61	6.21	17.0	14.6	8.72	10.9	10.8	9.28	5.48	13.0	2.19	14.1
(WY)	1997	1997	1997	1996	1996	1998	1996	1998	1998	1996	2000	1999
MIN	.36	.96	.72	2.95	5.16	6.41	4.07	4.20	1.00	.11	.11	.12
(WY)	1998	1999	1999	2000	2000	1997	1999	1999	1999	1999	1999	1997

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	1841.29		1447.39			
ANNUAL MEAN	5.04		3.95		4.71	
HIGHEST ANNUAL MEAN					6.09	1997
LOWEST ANNUAL MEAN					3.95	2000
HIGHEST DAILY MEAN	195	Sep 16	28	Jun 7	195	Sep 16 1999
LOWEST DAILY MEAN	.00	Jul 9	.17	Jul 14	.00	Jul 20 1997
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 9	.21	Sep 6	.00	Sep 16 1997
ANNUAL RUNOFF (CFSM)	1.68		1.31		1.56	
ANNUAL RUNOFF (INCHES)	22.76		17.89		21.25	
10 PERCENT EXCEEDS	9.1		8.0		11	
50 PERCENT EXCEEDS	3.0		3.2		3.2	
90 PERCENT EXCEEDS	.00		.61		.06	

e Estimated

01374976 ANGLE FLY BROOK AT WHITEHALL CORNERS, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1974, 1976-77. October 1995 to current year.
REVISED RECORDS.--WDR NY-97-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 250 ft above 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 ft^3/s, Sept. 16, 1999, gage height, 9.23 ft, from rating curve extended above 640 ft^3/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 0.9 mi upstream; minimum discharge, 0.16 ft^3/s, Aug. 4, 1999, gage height, 0.83 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	0400	*212	*3.89				

Minimum discharge, 3.6 ft^3/s, July 26, gage height, 1.57 ft.

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	58	23	23	24	e24	38	33	28	15	12	43	7.2
2	29	41	21	24	e21	37	32	28	13	9.4	40	8.8
3	25	122	22	29	e19	33	31	27	15	8.4	27	14
4	55	50	23	32	e18	30	41	24	12	12	46	12
5	85	32	23	61	e17	29	37	23	11	10	23	8.3
6	47	29	28	34	e16	28	29	22	68	7.6	15	6.7
7	32	26	44	26	e16	26	27	20	180	6.4	17	6.1
8	27	24	31	24	e16	31	26	24	72	5.7	14	5.7
9	26	23	24	23	e17	28	43	24	37	5.2	13	5.5
10	35	23	25	40	17	28	43	19	27	5.7	15	5.4
11	47	21	29	80	23	47	32	32	24	5.4	12	5.2
12	31	20	25	41	27	147	29	26	47	4.7	14	5.0
13	25	20	22	31	37	75	26	28	38	4.1	12	18
14	37	20	38	e27	84	49	24	67	30	3.9	32	14
15	31	20	72	e30	82	43	23	33	26	14	76	27
16	25	18	45	e22	42	41	32	21	24	28	62	18
17	24	17	34	e19	38	80	34	18	20	11	42	9.2
18	61	16	29	e17	30	62	47	24	23	7.3	20	7.0
19	44	16	27	16	32	46	35	54	26	6.0	17	20
20	43	18	32	16	29	41	29	49	19	5.7	14	90
21	51	23	89	e16	27	39	42	39	15	5.0	12	26
22	38	20	51	e16	28	37	93	29	29	6.9	11	12
23	36	18	37	e15	34	35	70	26	20	5.2	10	9.2
24	33	19	33	e15	47	33	60	51	14	4.1	14	10
25	30	22	e30	e16	61	31	44	39	11	3.9	12	12
26	29	40	e25	e17	57	32	39	24	10	11	9.6	13
27	27	77	e24	e17	48	29	38	20	13	99	8.6	21
28	26	47	e24	e17	58	103	36	18	24	79	8.1	13
29	24	30	e23	e16	46	69	34	17	14	27	7.8	9.7
30	24	26	24	e16	---	43	31	17	16	31	7.2	8.5
31	24	---	25	e20	---	36	---	19	---	45	7.1	---
TOTAL	1129	901	1002	797	1011	1426	1140	890	893	489.6	661.4	427.5
MEAN	36.4	30.0	32.3	25.7	34.9	46.0	38.0	28.7	29.8	15.8	21.3	14.2
MAX	85	122	89	80	84	147	93	67	180	99	76	90
MIN	24	16	21	15	16	26	23	17	10	3.9	7.1	5.0
CFSM	2.07	1.71	1.84	1.46	1.98	2.61	2.16	1.63	1.69	.90	1.21	.81
IN.	2.39	1.90	2.12	1.68	2.14	3.01	2.41	1.88	1.89	1.03	1.40	.90

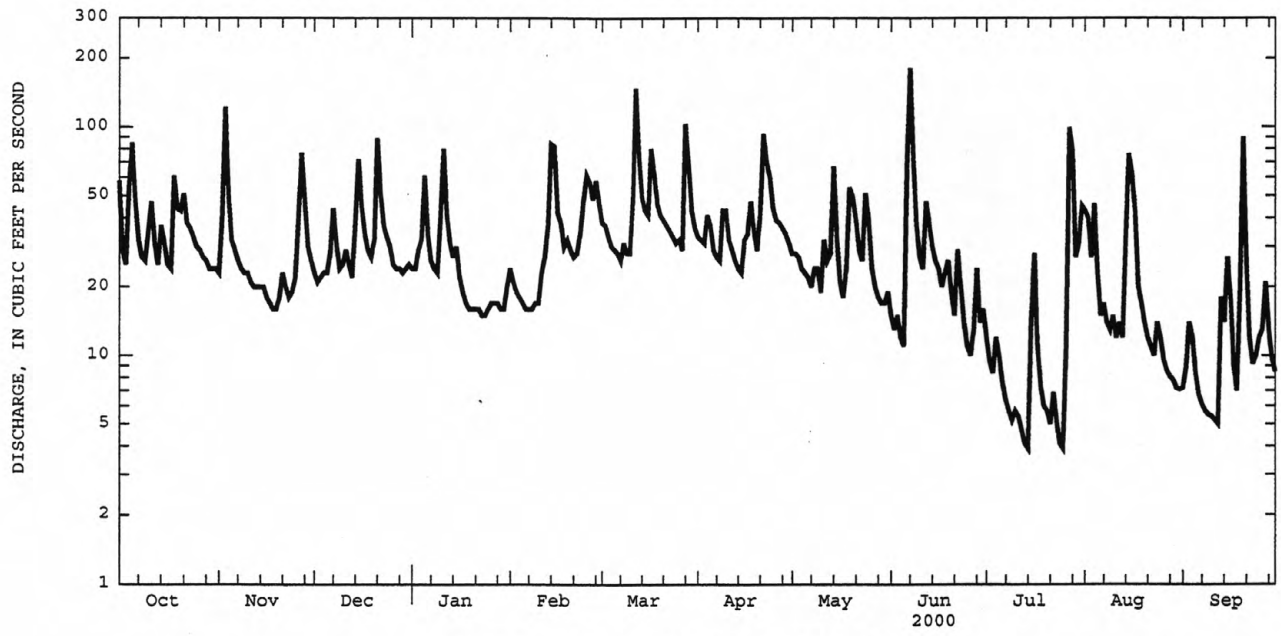
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	28.5	28.9	34.0	50.3	43.6	52.0	48.7	35.8	18.9	17.2	10.3	30.1
MAX	63.6	45.0	96.0	83.1	52.0	64.5	66.5	52.6	29.8	43.7	21.3	106
(WY)	1997	1996	1997	1996	1996	1999	1996	1998	2000	1996	2000	1999
MIN	5.03	7.22	5.88	25.7	34.9	35.2	29.9	28.7	7.70	2.29	3.53	3.46
(WY)	1998	1999	1999	2000	2000	1997	1999	2000	1999	1999	1998	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	13372.25		10767.5			
ANNUAL MEAN	36.6		29.4		31.6	
HIGHEST ANNUAL MEAN					38.8	1997
LOWEST ANNUAL MEAN					28.2	1998
HIGHEST DAILY MEAN	1290	Sep 17	180	Jun 7	1290	Sep 17 1999
LOWEST DAILY MEAN	.21	Aug 5	3.9	Jul 14	.21	Aug 5 1999
ANNUAL SEVEN-DAY MINIMUM	.32	Aug 1	5.0	Jul 8	.32	Aug 1 1999
ANNUAL RUNOFF (CFSM)	2.08		1.67		1.80	
ANNUAL RUNOFF (INCHES)	28.26		22.76		24.43	
10 PERCENT EXCEEDS	65		51		67	
50 PERCENT EXCEEDS	25		25		24	
90 PERCENT EXCEEDS	2.0		9.2		3.5	

e Estimated

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

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 to September 2000.
CHEMICAL DATA: 1976, 1992-94, 1996 (a).
MINOR ELEMENTS DATA: 1994, 1996 (a).
PESTICIDE DATA: 1994, 1996 (a), 2000 (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.--Pesticide data were analyzed using the USGS Schedule 2001/2010 method (see table following the Introduction to the Hudson NAWQA section near the end of this report). Only pesticides detected in one or more samples are listed in the table below. 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)
MAY							
16...	1305	21	10	.009	E.009	E.011	<.004
19...	1310	58	10	.013	E.008	E.026	<.004
24...	1325	58	10	<.005	E.010	E.007	<.004
JUN							
06...	1100	29	50	<.005	E.006	E.006	<.004
06...	1145	61	50	<.005	E.006	E.006	<.004
06...	1430	96	50	<.005	E.005	E.005	<.004
06...	1615	95	50	<.005	<.018	E.005	<.004
06...	1945	130	50	<.005	E.006	E.005	<.004
06...	2315	182	50	<.005	E.005	E.006	<.004
07...	1200	194	50	<.005	E.008	E.006	<.004
07...	1945	142	50	<.005	E.009	E.007	<.004
08...	0245	101	50	.007	E.007	E.008	<.004
08...	1330	64	50	.008	E.008	E.007	<.004
*08...	1335	64	10	.008	E.007	<.087	<.004
19...	1540	24	10	.005	E.008	E.005	<.004
27...	1545	17	50	<.005	E.007	E.004	<.004
27...	1715	18	50	<.005	E.008	E.005	<.004
28...	1200	25	50	<.005	E.009	E.005	<.004
JUL							
11...	0840	5.8	10	<.005	E.010	E.004	<.004
*11...	0841	5.8	10	E.004	E.009	E.004	<.004
16...	0800	35	50	<.005	E.013	<.002	<.004
26...	1900	20	50	.010	E.007	<.002	<.004
27...	0945	106	50	.006	E.007	<.002	<.004
27...	1530	139	50	<.005	E.008	<.002	<.004
28...	0350	101	50	<.005	E.009	<.002	<.004
AUG							
10...	1305	16	10	<.005	E.009	<.002	<.004
15...	1040	82	50	<.005	E.009	<.002	<.004
28...	1100	8.4	10	<.005	E.009	<.002	<.004
*28...	1130	8.4	50	<.005	E.008	<.002	<.004
SEP							
13...	0315	15	50	<.005	E.010	<.002	<.004
13...	0505	17	50	<.005	E.010	<.002	.060
14...	0215	19	50	<.005	.057	E.002	<.004
15...	0730	24	50	.009	E.010	<.002	<.004
19...	1830	30	50	<.005	E.008	<.002	.016
19...	2015	87	50	<.005	E.007	<.002	.016
20...	0410	113	50	<.005	E.017	<.002	.007

E Estimated.
* Replicate.

01374987 KISCO RIVER BELOW MOUNT KISCO, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	MALA-THION, DIS-SOLVED (UG/L) (39532)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
MAY							
16...	<.002	<.005	<.002	.011	<.010	E.048	<.004
19...	.011	.013	.024	.031	<.010	E.080	<.004
24...	<.002	<.005	.009	.009	<.010	E.016	<.004
JUN							
06...	<.002	<.005	.008	.006	<.010	E.012	<.004
06...	<.002	<.005	.026	.007	<.010	E.011	<.004
06...	<.002	<.005	.070	.007	<.010	E.025	<.004
06...	<.002	<.005	.061	.007	<.010	E.039	<.004
06...	<.002	<.005	.026	.007	<.010	E.071	<.004
06...	<.002	<.005	.028	.008	<.010	E.061	<.004
07...	<.002	.019	.022	.006	<.010	E.068	<.004
07...	<.002	<.005	.018	.007	<.010	E.063	<.004
08...	<.002	<.015	.011	.006	<.010	E.049	<.004
08...	<.002	<.005	.009	.005	<.010	E.037	<.004
*08...	<.002	<.005	.009	E.003	<.077	E.037	<.004
19...	<.002	<.005	.011	.005	<.010	E.008	<.004
27...	<.002	<.005	<.005	E.004	<.010	E.006	<.004
27...	<.002	<.005	<.010	.004	<.010	E.11	<.004
28...	<.002	<.010	.006	.004	<.010	E.011	<.004
JUL							
11...	<.002	<.005	E.003	E.004	<.010	E.017	<.004
*11...	<.002	<.005	.004	E.004	<.010	E.016	<.004
16...	<.002	.015	.052	E.003	<.010	E.17	<.004
26...	<.002	<.005	.012	<.001	<.010	E.033	<.004
27...	<.002	<.030	.240	<.001	<.010	E.051	<.004
27...	<.002	E.017	.097	<.001	<.010	E.11	<.004
28...	<.002	<.020	.032	E.003	<.010	E.039	<.004
AUG							
10...	<.002	<.005	.006	<.001	<.010	E.016	<.004
15...	<.002	<.005	.038	<.001	<.010	E.019	<.004
28...	<.002	<.005	.006	<.001	<.010	<.003	<.004
*28...	<.002	<.005	<.002	<.001	<.010	<.003	<.004
SEP							
13...	<.002	<.005	<.002	<.001	<.010	<.003	<.004
13...	.004	<.005	.007	<.001	<.010	E.012	.016
14...	<.002	<.005	.009	E.002	E.006	E.017	<.004
15...	<.002	<.005	.076	<.001	<.010	E.014	<.004
19...	<.002	<.005	.013	<.001	<.010	<.003	<.004
19...	<.002	.130	.026	<.001	<.010	E.011	<.004
20...	.005	<.005	<.002	<.001	<.010	E.007	<.004

E Estimated.
* Replicate.

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.--7.4 mi^2.
PERIOD OF RECORD.--June 1999 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 210 ft above 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, 5,250 ft^3/s, Sept. 16, 1999, gage height, 9.74 ft, recorded, outside gage height was 11.25 ft, from floodmarks, from rating curve extended above 170 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.06 ft^3/s, Aug. 5, 6, 7, 1999; minimum gage height, 1.37 ft, Aug. 6, 1999.
EXTREMES FOR CURRENT PERIOD.--June to September 1999: Maximum discharge, 5,250 ft^3/s, Sept. 16, gage height, 9.74 ft, recorded, outside gage height was 11.25 ft, from floodmarks, from rating curve extended above 170 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.06 ft^3/s, Aug. 5, 6, 7; minimum gage height, 1.37 ft, Aug. 6.

Water year 2000: Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2345	*177	a*3.91	Sept. 2	2230	129	3.66
June 7	0315	120	3.61	Sept. 19	2145	132	3.68
Aug. 14	1845	106	3.52				

a Recorded; outside gage height was 4.36 ft, from crest-stage gage.

Minimum discharge, 1.3 ft^3/s, July 26; minimum gage height, 1.77 ft, July 13, 14, 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	2.5	.17	.60
2	---	---	---	---	---	---	---	---	---	3.3	.11	.46
3	---	---	---	---	---	---	---	---	---	2.7	.07	.53
4	---	---	---	---	---	---	---	---	---	1.8	.07	.41
5	---	---	---	---	---	---	---	---	---	1.6	.07	.66
6	---	---	---	---	---	---	---	---	---	1.1	.07	2.9
7	---	---	---	---	---	---	---	---	---	.61	.07	2.7
8	---	---	---	---	---	---	---	---	---	.56	.24	7.6
9	---	---	---	---	---	---	---	---	---	.52	.81	5.4
10	---	---	---	---	---	---	---	---	---	.64	.30	9.4
11	---	---	---	---	---	---	---	---	2.2	.63	.22	4.3
12	---	---	---	---	---	---	---	---	2.0	.49	.19	2.0
13	---	---	---	---	---	---	---	---	2.1	.49	.14	1.5
14	---	---	---	---	---	---	---	---	2.0	.48	4.7	1.2
15	---	---	---	---	---	---	---	---	2.2	.44	4.0	1.5
16	---	---	---	---	---	---	---	---	1.6	.38	.87	896
17	---	---	---	---	---	---	---	---	1.7	.54	.52	280
18	---	---	---	---	---	---	---	---	1.8	.44	.51	86
19	---	---	---	---	---	---	---	---	1.6	5.1	.33	21
20	---	---	---	---	---	---	---	---	1.4	2.1	.34	13
21	---	---	---	---	---	---	---	---	2.4	.79	.64	19
22	---	---	---	---	---	---	---	---	2.1	.88	.83	20
23	---	---	---	---	---	---	---	---	1.5	1.2	.59	12
24	---	---	---	---	---	---	---	---	1.3	.65	.44	8.9
25	---	---	---	---	---	---	---	---	1.0	.45	.35	7.6
26	---	---	---	---	---	---	---	---	.98	.32	16	6.3
27	---	---	---	---	---	---	---	---	.89	.27	5.4	5.5
28	---	---	---	---	---	---	---	---	.85	.22	2.3	5.2
29	---	---	---	---	---	---	---	---	4.8	.14	1.3	4.8
30	---	---	---	---	---	---	---	---	3.4	.17	.65	43
31	---	---	---	---	---	---	---	---	---	.15	.70	---
TOTAL	---	---	---	---	---	---	---	---	---	31.66	43.00	1469.46
MEAN	---	---	---	---	---	---	---	---	---	1.02	1.39	49.0
MAX	---	---	---	---	---	---	---	---	---	5.1	16	896
MIN	---	---	---	---	---	---	---	---	---	.14	.07	.41
CFSM	---	---	---	---	---	---	---	---	---	.14	.19	6.62
IN.	---	---	---	---	---	---	---	---	---	.16	.22	7.39

0137499350 HUNTER BROOK SOUTH OF YORKTOWN, NY--Continued

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	17	6.4	10	8.4	e7.0	18	12	12	5.4	5.4	6.4	1.8
2	9.1	25	9.6	9.2	e5.8	17	11	12	5.0	4.0	5.7	15
3	7.1	59	9.5	9.7	e5.4	15	11	11	5.3	5.2	7.2	31
4	35	18	10	13	e5.4	13	24	9.8	4.1	12	14	6.3
5	31	13	9.8	25	e5.0	13	16	9.4	4.0	4.8	5.1	3.6
6	16	12	13	12	e5.0	12	12	8.7	43	3.3	3.6	2.8
7	11	11	16	10	e5.0	11	11	8.0	68	2.8	5.9	2.4
8	9.6	9.9	11	9.3	e5.0	13	10	8.6	17	2.6	3.6	2.3
9	9.8	9.6	9.8	9.0	e5.0	12	21	7.2	11	2.3	2.8	2.2
10	15	9.5	11	19	e5.0	12	17	6.9	8.3	2.4	2.7	2.0
11	15	8.8	13	23	e7.0	30	14	14	7.0	2.0	13	1.9
12	9.7	8.3	10	13	e8.0	53	12	11	20	1.7	11	1.7
13	8.3	8.4	9.2	11	e10	25	10	11	13	1.5	5.2	5.3
14	13	8.2	23	e10	46	18	9.8	34	12	1.4	24	2.6
15	9.3	7.7	31	e11	29	16	9.6	11	9.8	19	19	17
16	8.1	7.3	19	e8.0	17	15	11	8.3	8.5	7.5	25	4.9
17	8.0	e7.0	14	e7.0	14	45	13	7.0	7.2	3.5	8.7	3.0
18	26	e6.4	12	e6.0	11	22	22	8.9	14	3.4	5.7	2.5
19	12	e6.0	11	e5.4	12	18	15	23	11	2.4	5.0	24
20	18	e7.0	14	e5.0	10	16	12	20	7.2	2.4	3.9	33
21	17	e8.0	29	e5.0	9.5	15	26	17	5.7	3.0	3.3	7.9
22	12	e7.0	16	e5.0	10	14	43	12	10	5.5	2.9	4.6
23	13	e7.0	13	e4.5	13	13	45	11	6.0	2.2	3.4	3.8
24	11	8.1	12	e4.5	23	12	31	38	4.7	1.6	4.6	4.2
25	9.4	7.4	9.6	e5.0	37	12	21	16	4.1	1.5	3.1	3.5
26	8.9	16	e9.0	e4.5	30	11	18	11	3.8	7.3	2.5	5.5
27	8.1	58	e8.6	e5.0	25	10	17	8.6	9.9	41	2.2	6.6
28	6.9	21	e8.2	e5.6	36	45	16	7.6	8.4	12	2.1	4.0
29	6.9	14	e8.0	e5.2	22	20	14	6.9	7.0	6.0	2.1	3.4
30	6.7	12	8.3	e5.0	---	15	13	6.2	15	8.8	1.7	3.1
31	6.6	---	8.5	e6.0	---	13	---	5.8	---	8.0	1.7	---
TOTAL	394.5	407.0	396.1	279.3	423.1	574	517.4	381.9	355.4	186.5	207.1	211.9
MEAN	12.7	13.6	12.8	9.01	14.6	18.5	17.2	12.3	11.8	6.02	6.68	7.06
MAX	35	59	31	25	46	53	45	38	68	41	25	33
MIN	6.6	6.0	8.0	4.5	5.0	10	9.6	5.8	3.8	1.4	1.7	1.7
CFSM	1.72	1.83	1.73	1.22	1.97	2.50	2.33	1.66	1.60	.81	.90	.95
IN.	1.98	2.05	1.99	1.40	2.13	2.89	2.60	1.92	1.79	.94	1.04	1.07

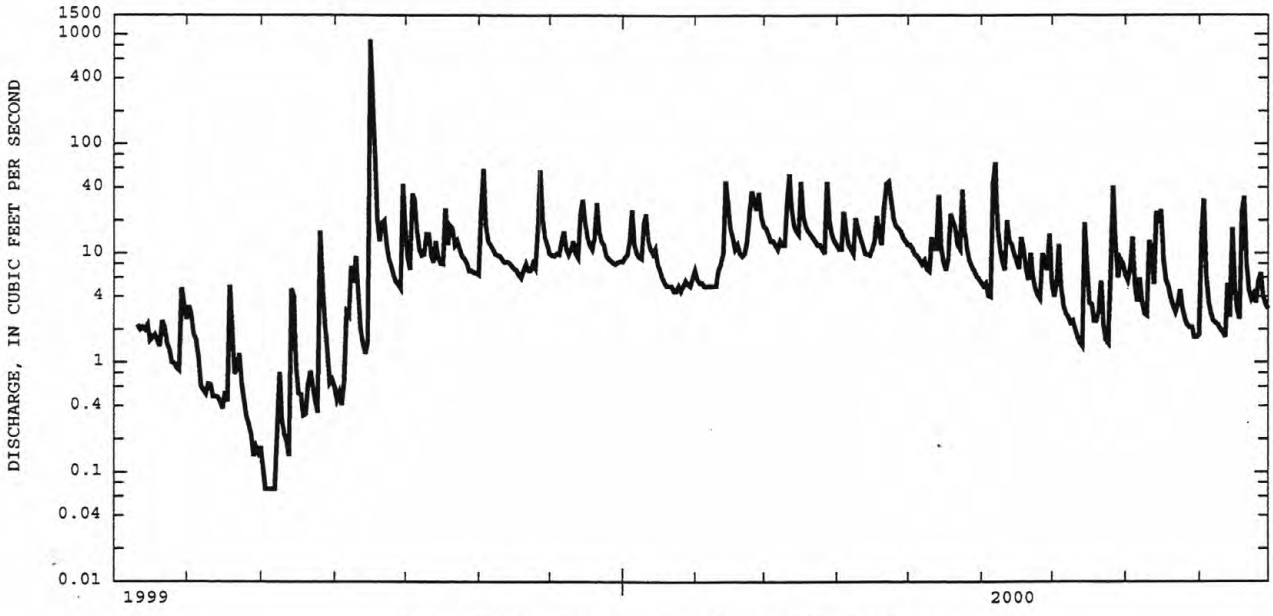
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	12.7	13.6	12.8	9.01	14.6	18.5	17.2	12.3	11.8	3.52	4.03	28.0
MAX	12.7	13.6	12.8	9.01	14.6	18.5	17.2	12.3	11.8	6.02	6.68	49.0
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999
MIN	12.7	13.6	12.8	9.01	14.6	18.5	17.2	12.3	11.8	1.02	1.39	7.06
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999	1999	2000

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	4334.2			
ANNUAL MEAN	11.8		11.8	
HIGHEST ANNUAL MEAN			11.8	2000
LOWEST ANNUAL MEAN			11.8	2000
HIGHEST DAILY MEAN	68	Jun 7	896	Sep 16 1999
LOWEST DAILY MEAN	1.4	Jul 14	.07	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	2.0	Jul 8	.09	Aug 1 1999
ANNUAL RUNOFF (CFSM)	1.60		1.60	
ANNUAL RUNOFF (INCHES)	21.79		21.74	
10 PERCENT EXCEEDS	23		21	
50 PERCENT EXCEEDS	9.6		8.0	
90 PERCENT EXCEEDS	3.2		.78	

e Estimated

0137499350 HUNTER BROOK SOUTH OF YORKTOWN, NY--Continued



DAILY MEAN DISCHARGE - JUNE 1999 TO SEPTEMBER 2000.

01375000 CROTON RIVER AT NEW CROTON DAM, NEAR CROTON-ON-HUDSON, NY

LOCATION.--Lat 41°13'30", long 73°51'35", Westchester County, Hydrologic Unit 02030101, on left bank 1,000 ft downstream from New Croton Dam, and 1.8 mi northeast of Croton-On-Hudson.
DRAINAGE AREA.--378 mi^2.
PERIOD OF RECORD.--July 1933 to current year. Prior to Oct. 1, 1941, published as "at Quaker Bridge," (low-flow records at this site are not equivalent owing to well pumpage upstream). Fragmentary records published during August 1933 to September 1941 for "at Cornell Dam near Croton" and "at New Croton near Croton" are equivalent. Oct. 1, 1941 to Sept. 30, 1955 published as "at New Croton Dam near Croton".
GAGE.--Water-stage recorder and concrete control. Elevation of gage is 50 ft above 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.--Records fair except those for estimated daily discharges, which are poor. Entire flow, except for periods of spilling and releases to augment Croton-on-Hudson water supply, diverted from New Croton Reservoir for municipal supply of City of New York. Also published as a NAWQA water-quality miscellaneous site.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,400 ft^3/s, Oct. 16, 1955, gage height, 18.44 ft, from floodmarks, from rating curve extended above 9,700 ft^3/s, on basis of slope-area measurements of peak flow; minimum discharge not determined; minimum gage height, 0.11 ft, July 15, 1965.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,440 ft^3/s, June 7, gage height, 4.81 ft; minimum, 78 ft^3/s, July 14, gage height, 1.83 ft.

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	1200	403	684	e530	506	1220	753	562	367	294	393	123
2	900	505	601	e560	450	1180	680	572	342	244	401	129
3	787	1450	574	587	419	1080	651	514	388	216	361	182
4	1000	1110	561	630	421	976	738	483	309	264	534	166
5	1400	853	542	886	402	890	741	486	275	228	397	121
6	1120	781	559	787	390	801	644	470	671	184	266	93
7	954	737	672	693	381	731	572	429	2230	151	286	90
8	836	660	618	663	375	723	502	454	1540	131	322	93
9	796	616	553	655	366	680	618	436	1130	119	264	110
10	859	599	536	740	366	688	724	415	976	126	230	115
11	964	594	598	983	396	845	656	523	842	128	261	109
12	816	500	545	846	444	1800	606	544	939	115	350	106
13	716	475	495	748	420	1430	558	582	937	95	255	201
14	740	456	623	679	761	1120	504	927	918	94	288	179
15	671	442	897	569	1090	1030	487	750	819	225	472	278
16	594	400	813	547	905	963	531	568	785	257	567	214
17	576	369	728	592	820	1310	568	440	716	182	510	141
18	822	342	692	e520	788	1180	724	423	706	160	354	127
19	702	344	660	e480	799	1000	673	706	694	134	298	231
20	712	366	684	e450	699	940	575	760	606	122	260	649
21	797	399	1070	e430	633	908	673	758	514	118	228	394
22	709	388	1010	e420	601	848	1230	681	568	162	211	238
23	670	379	872	e410	611	799	1180	638	536	133	213	189
24	630	395	805	e450	686	756	1110	843	434	115	245	186
25	586	432	733	551	902	712	938	900	360	112	230	169
26	555	537	679	e490	1080	695	832	739	323	187	212	185
27	540	1000	e630	e460	1080	664	766	639	311	637	201	204
28	497	919	e590	e430	1260	1120	730	598	419	607	206	187
29	461	725	e570	e410	1300	1120	683	537	367	410	196	148
30	436	684	e550	e450	---	938	638	469	342	362	142	136
31	417	---	e540	556	---	839	---	406	---	411	128	---
TOTAL	23463	17860	20684	18202	19351	29986	21285	18252	20364	6723	9281	5493
MEAN	757	595	667	587	667	967	710	589	679	217	299	183
MAX	1400	1450	1070	983	1300	1800	1230	927	2230	637	567	649
MIN	417	342	495	410	366	664	487	406	275	94	128	90

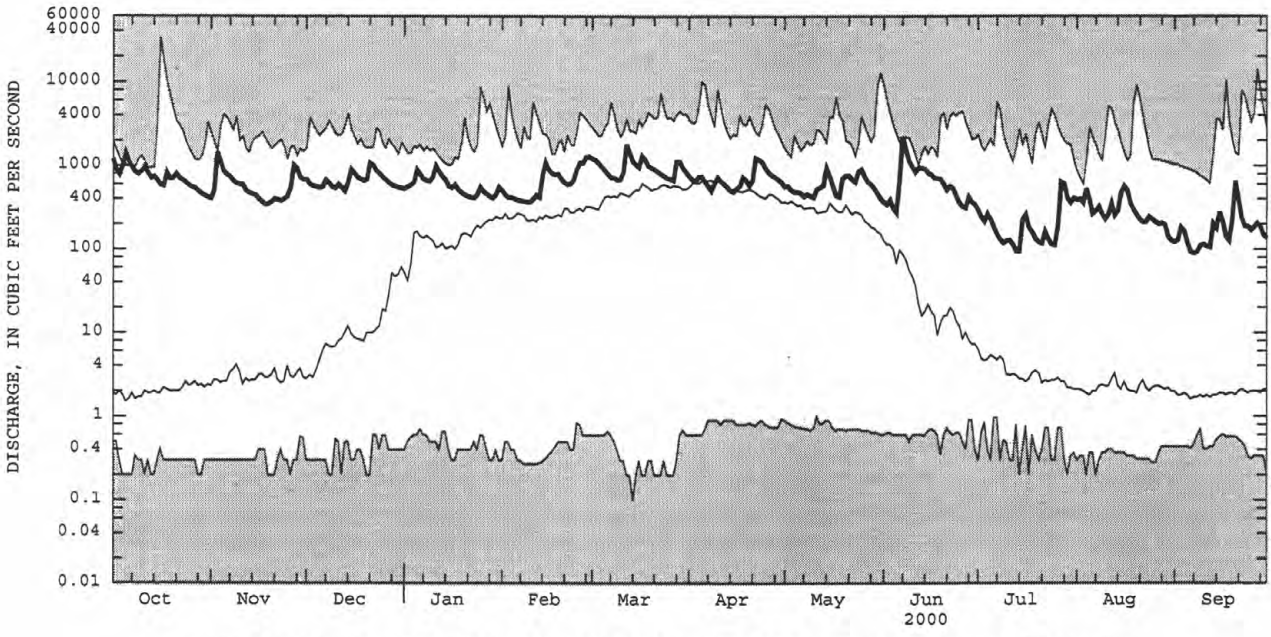
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2000, BY WATER YEAR (WY)

MEAN	173	195	307	329	411	651	690	428	221	100	105	110
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1933 - 2000	
ANNUAL TOTAL	175523.7		210944			
ANNUAL MEAN	481		576		310	
HIGHEST ANNUAL MEAN					849	1956
LOWEST ANNUAL MEAN					.90	1965
HIGHEST DAILY MEAN	10600	Sep 17	2230	Jun 7	33000	Oct 16 1955
LOWEST DAILY MEAN	7.2	Sep 7	90	Sep 7	.10	Mar 14 1965
ANNUAL SEVEN-DAY MINIMUM	7.5	Sep 7	102	Sep 6	.20	Mar 12 1965
10 PERCENT EXCEEDS	998		963		918	
50 PERCENT EXCEEDS	417		560		21	
90 PERCENT EXCEEDS	9.5		182		1.0	

e Estimated

01375000 CROTON RIVER AT NEW CROTON DAM, NEAR CROTON-ON-HUDSON, NY--Continued



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

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY

LOCATION.--Lat 40°59'16", long 73°53'15", Westchester County, Hydrologic Unit 02030101, 180 ft from left bank on abandoned Mobil Oil Corporation platform, 0.5 mi southwest of railroad station, at Hastings-on-Hudson. Water- quality sampling site at stage station.
DRAINAGE AREA.--13,265 mi^2.

ELEVATION RECORDS

PERIOD OF RECORD.--May 1992 to current year.
GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below sea level. Gage-height record converted to elevation above or below(-) mean sea level for publication.
REMARKS.--Satellite and telephone gage-height, temperature, and specific conductance telemeter at station. Interruptions of record were due to malfunction of recording instrument. All data are collected, stored, and reported in Eastern Standard Time.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation (water years 1992-99), 7.27 ft, Dec. 11, 1992; minimum elevation (water years 1992-99), -4.01 ft, Mar. 4, 1996.
EXTREMES FOR CURRENT YEAR.--Maximum and minimum elevation not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.82	-.96	1.42	---	---	---	---	---	---	---	---	---
2	3.41	-.90	1.39	---	---	---	---	---	---	---	---	---
3	3.10	-.99	1.24	---	---	---	---	---	---	---	---	---
4	3.20	-.90	1.34	---	---	---	3.13	-.97	1.07	---	---	---
5	---	---	---	---	---	---	3.16	-1.03	1.21	---	---	---
6	---	---	---	---	---	---	3.38	-.84	1.22	---	---	---
7	---	---	---	---	---	---	2.75	-1.50	.64	---	---	---
8	---	---	---	---	---	---	2.89	-1.56	.58	---	---	---
9	---	---	---	---	---	---	2.82	-1.54	.65	---	---	---
10	---	---	---	---	---	---	3.52	-.66	1.19	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	3.53	-.55	1.78	---	---	---	---	---	---	---	---	---
20	3.05	-.88	1.40	---	---	---	---	---	---	---	---	---
21	3.50	-.95	1.33	---	---	---	---	---	---	---	---	---
22	4.52	-.61	2.01	---	---	---	---	---	---	---	---	---
23	4.46	-.29	1.89	---	---	---	---	---	---	---	---	---
24	3.83	-1.13	1.39	---	---	---	---	---	---	---	---	---
25	3.71	-1.43	1.21	---	---	---	---	---	---	---	---	---
26	3.88	-1.39	1.21	---	---	---	---	---	---	---	---	---
27	3.88	-1.49	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	2.65	-1.21	.87	3.67	-.99	1.42
2	---	---	---	---	---	---	2.77	-1.49	.76	3.40	-1.29	1.26
3	---	---	---	---	---	---	3.10	-1.58	.87	3.67	-1.47	1.14
4	---	---	---	---	---	---	3.94	-1.01	1.36	3.90	-1.39	1.18
5	---	---	---	---	---	---	2.99	-1.65	.82	3.73	-1.46	1.10
6	---	---	---	---	---	---	3.77	-1.70	1.00	4.11	-1.38	1.11
7	---	---	---	---	---	---	3.95	-1.42	1.08	4.00	-.95	1.37
8	---	---	---	---	---	---	4.25	-.73	1.63	3.85	-1.12	1.26
9	---	---	---	---	---	---	4.26	-2.15	.58	3.80	-.78	1.35
10	---	---	---	---	---	---	2.08	-2.24	.08	3.94	-.28	1.98
11	---	---	---	---	---	---	2.73	-1.36	.95	4.34	-.45	1.65
12	---	---	---	---	---	---	3.47	-1.64	.80	3.57	-.49	1.70
13	---	---	---	---	---	---	2.50	-1.42	.67	3.87	-.47	1.87
14	---	---	---	---	---	---	2.76	-1.64	.75	3.69	-.70	1.64
15	---	---	---	---	---	---	2.97	-1.63	.94	3.52	-.85	1.47
16	---	---	---	---	---	---	3.56	-1.38	1.19	3.77	-1.01	1.38
17	---	---	---	---	---	---	4.53	-1.30	1.71	3.76	-1.10	1.28
18	---	---	---	---	---	---	4.67	-.22	2.16	3.50	-.96	1.29
19	---	---	---	---	---	---	4.18	-.44	2.03	4.05	-1.22	1.30
20	---	---	---	---	---	---	4.25	-.43	1.82	3.99	-.54	1.60
21	---	---	---	---	---	---	4.55	-.32	2.17	3.86	-.39	1.55
22	---	---	---	---	---	---	4.55	.21	2.16	3.54	-.61	1.39
23	---	---	---	3.75	-1.12	1.20	3.89	.06	1.75	3.61	-.18	1.64
24	---	---	---	3.04	-1.27	.79	3.16	-.32	1.26	3.71	.16	1.84
25	---	---	---	2.87	-.88	1.01	3.07	-.09	1.77	3.54	.03	1.63
26	---	---	---	3.03	-.59	1.04	4.21	.97	2.34	3.08	-.46	1.28
27	---	---	---	2.67	-.24	1.37	3.59	.25	1.89	2.73	-.75	1.17
28	---	---	---	3.84	.31	1.92	2.87	-.45	1.29	3.11	-.76	1.38
29	---	---	---	3.01	-.20	1.26	3.13	-.37	1.58	3.61	-.69	1.73
30	---	---	---	2.27	-.60	1.00	3.38	-.92	1.36	3.91	-.76	1.79
31	---	---	---	2.64	-.85	1.00	---	---	---	3.76	-1.37	1.33
MONTH	---	---	---	---	---	---	4.67	-2.24	1.32	4.34	-1.47	1.45

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3.84	-1.21	1.35	4.06	-1.51	1.27	4.24	-.97	1.63	3.50	-1.12	1.26
2	4.25	-1.24	1.39	4.10	-1.44	1.27	4.03	-.82	1.54	3.43	-.97	1.29
3	3.88	-1.64	1.16	3.96	-1.31	1.24	3.93	-.91	1.42	3.69	-.48	1.56
4	4.19	-1.29	1.19	3.91	-1.12	1.23	3.66	-.96	1.28	3.39	-.35	1.44
5	4.39	-.96	1.38	3.90	-1.10	1.26	3.27	-1.05	1.25	3.62	.08	1.59
6	4.42	-.41	1.84	3.68	-.98	1.34	3.27	-.92	1.32	3.11	-.25	1.44
7	4.24	.03	2.05	3.47	-.99	1.20	3.11	-.81	1.20	2.78	-.42	1.17
8	3.90	-.36	1.67	3.01	-1.13	1.10	2.85	-.83	1.03	2.66	-.76	.91
9	3.45	-.79	1.32	3.19	-1.02	1.24	3.12	-.49	1.24	2.90	-.84	.92
10	3.11	-1.05	1.20	3.07	-.75	1.27	3.16	-.68	1.23	3.34	-.74	1.28
11	3.31	-1.05	1.26	3.28	-.69	1.25	3.40	-.44	1.32	3.50	-.54	1.36
12	3.78	-.73	1.66	3.17	-.81	1.14	4.15	-.34	1.85	3.53	-.61	1.35
13	3.96	-.63	1.68	3.55	-.82	1.17	4.19	.21	2.06	3.40	-.95	1.31
14	3.84	-.50	1.55	3.63	-.69	1.40	3.69	-.07	1.86	3.91	-.79	1.53
15	3.74	-.71	1.43	4.02	-.36	1.87	3.92	-.57	1.59	3.77	-.49	1.76
16	3.63	-.76	1.29	3.79	-.25	1.70	3.33	-.67	1.42	3.58	-.73	1.36
17	3.06	-1.01	1.04	3.79	-.34	1.62	3.48	-.94	1.19	3.16	-1.17	.97
18	3.37	-1.23	.96	3.49	-.50	1.50	3.37	-.89	1.37	2.79	-1.49	.73
19	3.24	-.91	1.04	3.44	-.90	1.22	3.37	-.81	1.31	3.32	-1.12	1.19
20	3.20	-.95	1.02	3.59	-.74	1.37	3.20	-.98	1.11	2.96	-1.11	.94
21	3.37	-.76	1.27	3.59	-.58	1.49	2.91	-1.12	.93	3.14	-1.10	1.08
22	3.46	-.77	1.24	3.30	-.81	1.25	2.98	-1.22	.95	2.92	-1.18	.81
23	3.08	-.77	1.16	2.93	-.92	1.08	3.34	-.97	1.18	3.33	-.98	1.19
24	2.91	-.82	1.15	2.95	-.95	1.14	3.23	-1.02	1.10	3.39	-.89	1.29
25	2.98	-.86	1.28	3.42	-.69	1.47	3.41	-.98	1.24	3.66	-1.29	1.27
26	2.97	-1.06	1.15	3.63	-.64	1.59	3.72	-1.15	1.35	4.52	-.64	2.24
27	3.02	-1.30	1.07	3.73	-.84	1.59	3.82	-1.12	1.36	4.04	-.73	1.81
28	3.60	-1.19	1.23	4.06	-.86	1.59	3.94	-1.32	1.34	3.73	-1.18	1.33
29	4.27	-1.05	1.53	4.10	-1.03	1.55	4.22	-1.03	1.60	3.65	-1.13	1.27
30	4.01	-1.37	1.46	4.13	-1.20	1.48	3.76	-1.16	1.41	3.52	-1.02	1.25
31	---	---	---	4.38	-1.02	1.59	3.56	-1.12	1.27	---	---	---
MONTH	4.42	-1.64	1.33	4.38	-1.51	1.37	4.24	-1.32	1.35	4.52	-1.49	1.30

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, 1999-2000), 31,100 µS/cm, Dec. 11, 1992; minimum (water years 1992-97, 1999-2000), 76 µS/cm, Jan. 30, 31, 1996.
WATER TEMPERATURE: Maximum, 29.0°C, July 25, 1999; minimum (water years 1993-2000), 0.0°C on many days during winter periods, except 1998-99.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 26,100 µS/cm, Jan. 18; minimum, 228 µS/cm, May 19.
WATER TEMPERATURE: Maximum, 26.5°C, Aug. 10; minimum, 0.0°C on many days during winter period.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12000	5250	7140	11200	9690	10300	12500	9100	11000	12200	9840	10800
2	11400	5060	7080	24100	10700	13500	14800	9230	11700	14700	8580	10700
3	8160	4940	6540	21100	8320	12600	11700	8860	10100	13800	8050	10300
4	9130	4930	6800	9630	6820	8000	10400	8920	9750	13000	9050	10800
5	10100	5820	8050	9810	6980	8090	12700	8320	9920	12900	9800	10800
6	10000	6100	7930	10100	6480	7820	11900	9080	10400	14600	9540	11200
7	11200	6150	7820	11200	5830	7730	11600	9050	10100	15100	9410	10800
8	11600	6680	8030	9050	6470	7660	12200	8730	9960	9740	7000	8300
9	12200	5570	8250	14100	7460	9060	11900	8500	9900	10000	8140	9010
10	12500	5550	7580	10500	6220	8320	13100	8860	10600	12900	8660	9590
11	10600	4600	6720	12600	7790	9640	9580	6120	7630	10300	6100	8340
12	9170	4360	6300	12400	6810	9520	15600	6680	10200	7310	4780	5930
13	10400	3690	6400	10200	6760	8210	13200	9020	11500	10700	4930	7150
14	7750	2240	4650	13300	7360	9550	13700	9020	11600	6950	3490	5080
15	9280	2640	5460	9770	6540	7960	14400	9950	11400	9340	3560	6330
16	11200	3870	5790	9820	7940	8760	11700	8360	10100	12700	5790	7850
17	9820	3870	6180	14100	8180	10500	10300	7850	9290	9670	5290	7090
18	10600	5570	7610	12000	9920	11100	12600	9430	10800	26100	8100	13700
19	13900	8560	10700	16200	10100	12400	15700	11900	13600	13100	10100	11300
20	15100	8250	10600	18600	11900	14700	16000	12800	14700	18400	10100	12600
21	14000	8420	10900	18200	13700	15600	18000	13100	14500	17400	9600	11400
22	22900	10200	13800	17000	14600	15300	15900	12100	13200	9850	8810	9340
23	19300	12700	14600	16000	14500	15000	15600	11600	12700	10600	8740	9110
24	16600	12200	13800	17100	14200	15000	13000	10300	11200	12800	9220	10800
25	14400	11500	12800	16500	13900	14800	11500	10200	10800	15000	11000	12700
26	14300	10300	11700	17300	13900	14700	13700	9660	11300	14000	10000	11600
27	14100	11200	12100	17500	13300	14800	11700	8730	9660	10500	9790	10000
28	12500	11100	11700	13600	10400	12500	10800	9040	9920	9950	9710	9810
29	13200	9940	11300	11600	9590	10800	11300	8400	10100	9710	9400	9470
30	14700	9970	11000	10900	9240	9990	12000	8420	10100	9550	9470	9530
31	15100	9880	11100	---	---	---	11900	8100	9940	15900	9030	10600
MONTH	22900	2240	9050	24100	5830	11100	18000	6120	10900	26100	3490	9740

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9760	7950	8610	3110	2020	2430	5410	3280	3990	9780	5700	7050
2	9060	8000	8340	3860	2010	2580	7120	3990	4690	10200	7360	8590
3	8800	8240	8690	4580	2250	3430	7490	5320	6240	10800	8520	9380
4	10100	8800	9270	7220	3390	4740	10200	6220	7970	9830	8140	8820
5	11500	10100	10600	7480	4110	5990	9820	3380	5550	9360	6960	7980
6	12400	8390	10800	8310	5400	6670	3910	2340	3170	9200	6570	7320
7	12700	8010	11100	8430	5660	6590	3090	877	1860	8420	6120	6990
8	13500	7910	10500	7010	4760	5680	1950	904	1270	9650	5780	6450
9	13500	9320	11500	6740	3860	4880	2110	317	703	7510	5480	6220
10	13200	8860	11600	5250	1830	3320	346	287	314	8860	5750	6760
11	18200	11200	13600	4080	1960	2580	996	288	479	7820	5190	6360
12	12900	10700	11500	3390	892	2180	2250	700	1380	6380	4590	5380
13	14200	10700	12600	2490	371	888	3800	556	1990	5420	4060	4800
14	14800	11100	12900	1350	339	579	3740	1880	2470	5080	2220	3760
15	14300	9640	11600	2300	517	1170	4150	2120	3190	3360	498	1360
16	15700	10500	12600	3160	979	1850	5580	1860	3280	745	343	469
17	14200	10300	11800	3110	274	920	5480	1760	3110	3340	275	408
18	17200	10500	11900	3390	251	1030	6230	2370	3730	3340	254	449
19	18000	10200	12600	4600	471	1900	5970	3180	4360	652	228	274
20	15900	10000	11700	4800	1370	2120	5430	2860	3810	1330	250	655
21	10400	8470	9460	2680	610	1540	4470	3040	3780	2620	719	1600
22	10600	8130	8950	3050	372	1300	4570	1360	2840	3400	1200	1750
23	10600	7500	8750	3140	400	1400	2650	1050	1770	2980	1410	2060
24	10100	6590	7890	1800	429	949	1290	779	1100	3700	1730	2390
25	8490	6830	7520	2460	742	1590	2570	879	1460	2370	1090	1800
26	8930	5700	7280	2350	1300	1910	3730	1700	2600	2780	1570	2180
27	5980	3820	4910	3550	2000	2550	4620	1890	2770	3900	2110	2750
28	4740	3030	3810	4740	1700	2630	4000	2090	2860	5620	2780	4060
29	3560	2080	2690	2870	1620	2080	6500	3310	4470	7990	3930	5600
30	---	---	---	3000	1710	2230	8760	4090	6140	10800	4670	7040
31	---	---	---	4570	2320	3220	---	---	---	10300	5980	7360
MONTH	18200	2080	9830	8430	251	2680	10200	287	3110	10800	228	4450

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9040	6680	8340	13800	9010	10400	14400	9900	11300	13700	8800	10200
2	10800	7810	8900	15500	9080	11000	11600	9440	10100	12300	8310	9840
3	8980	6530	7840	15300	8670	10600	10600	8340	9360	11900	8080	9390
4	9050	6450	7200	13000	8790	10000	9290	7430	8330	11100	6850	8790
5	8280	6040	6770	12800	8630	9970	9040	6630	7730	11800	7290	9150
6	9740	5340	7080	14900	8760	10500	10400	6120	7710	11000	7260	8590
7	7620	1770	5140	12300	8570	10100	7610	5510	6770	10000	7280	8080
8	1770	388	951	13600	8160	10200	7450	5280	6290	9810	6520	7770
9	467	315	377	13900	6870	10100	7750	5140	6260	11400	6610	8860
10	494	282	318	12800	7820	10200	8470	5760	6670	16600	8160	10600
11	1660	274	512	12400	8700	10100	9860	6140	7540	14500	9350	11000
12	2700	988	1620	14300	9030	10600	11500	6880	8670	13900	10700	12200
13	4300	1810	2780	13000	8880	10500	11100	7410	8870	15700	11300	12800
14	5560	2470	3600	15000	10400	12400	12500	7970	9490	15400	12400	13400
15	4330	2550	3460	17800	11700	14700	11600	7990	9460	15100	12500	13500
16	4220	1500	3090	16300	10700	13500	12100	8100	9180	14600	11300	12400
17	3090	1020	2020	12400	9320	11200	10700	8690	9490	14100	10500	11600
18	2350	736	1360	10900	8750	9890	10700	8700	9410	12600	9520	10700
19	3560	964	2230	10100	8110	8870	10600	8020	9020	12000	9660	10200
20	5040	1970	3440	9910	7420	8450	10900	7590	9070	12100	8720	9960
21	5930	2180	4450	10100	7670	8720	10200	7540	8720	11300	9080	9810
22	5790	3830	4890	10200	7240	8480	11600	6810	8560	12500	8690	9890
23	6020	3860	4960	10100	6290	8030	12700	6280	8500	14700	8580	10900
24	6910	3360	5220	9550	6180	8110	13400	6980	9360	14300	9770	11700
25	7730	3540	5810	10700	7170	8850	12400	7020	9480	17300	9960	12600
26	8290	4250	6020	12400	7430	9560	15100	7900	10200	21800	12400	15200
27	8260	4530	6240	12700	8070	9900	13600	9180	10600	16600	11800	13600
28	12900	5500	7200	14400	8480	10600	13200	8860	10400	16700	11600	13600
29	16000	6860	9540	14700	10300	11700	15000	9230	10900	16200	11000	12600
30	12400	8400	10100	14100	10900	11900	14000	9490	10600	16600	11000	12800
31	---	---	---	13400	10700	11500	14500	9050	10700	---	---	---
MONTH	16000	274	4720	17800	6180	10300	15100	5140	8990	21800	6520	11100

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.5	20.0	20.0	14.5	14.0	14.0	9.5	7.5	8.5	3.5	3.5	3.5
2	20.5	19.5	20.0	14.5	14.0	14.0	8.0	7.5	7.5	4.5	3.5	4.0
3	20.0	19.5	20.0	14.5	13.5	14.0	8.0	7.5	8.0	5.0	4.5	4.5
4	20.0	19.5	19.5	14.0	13.5	13.5	9.0	8.0	8.5	5.5	5.0	5.0
5	19.5	18.0	19.0	13.5	13.5	13.5	9.0	8.5	9.0	5.5	4.5	5.0
6	18.5	18.0	18.5	13.5	13.0	13.5	9.0	9.0	9.0	5.0	4.5	4.5
7	18.0	17.5	18.0	13.0	12.5	13.0	9.0	8.5	9.0	5.0	4.5	4.5
8	18.0	17.0	17.5	12.5	12.0	12.0	9.0	8.5	8.5	4.5	4.0	4.5
9	17.5	17.0	17.5	12.5	11.5	12.0	9.0	8.5	8.5	4.5	4.0	4.5
10	17.5	17.0	17.5	12.5	12.0	12.0	8.5	8.0	8.5	5.0	4.5	4.5
11	17.5	17.0	17.5	12.5	11.5	12.0	8.5	7.5	8.0	4.5	4.0	4.5
12	17.5	17.0	17.0	11.5	11.0	11.0	8.5	7.0	7.5	4.5	4.0	4.0
13	17.5	17.0	17.0	11.5	11.0	11.0	8.0	7.0	7.5	4.5	3.5	4.0
14	17.5	16.5	17.0	11.5	11.0	11.5	8.0	7.0	7.5	3.5	1.5	2.5
15	17.0	16.0	16.5	11.5	10.0	11.0	7.5	7.0	7.5	3.0	1.5	2.0
16	17.0	16.0	16.5	10.5	9.0	9.5	7.5	7.5	7.5	3.5	1.5	2.0
17	17.0	16.0	16.5	9.5	8.5	9.0	7.5	7.0	7.0	1.5	.0	1.0
18	16.5	15.5	16.0	9.0	8.0	8.5	7.0	7.0	7.0	3.0	.0	1.0
19	16.0	15.0	15.5	9.5	8.5	9.0	7.0	6.5	7.0	1.0	.0	.5
20	15.5	15.0	15.0	10.0	9.5	10.0	7.5	6.5	7.0	1.0	.0	.5
21	15.5	15.0	15.5	10.5	10.0	10.0	7.0	6.5	7.0	.5	.0	.0
22	15.5	15.0	15.0	10.5	10.0	10.0	7.0	6.5	6.5	.0	.0	.0
23	15.0	15.0	15.0	10.5	10.0	10.5	6.5	6.0	6.0	.0	.0	.0
24	15.0	14.5	14.5	11.0	10.5	10.5	6.0	5.5	5.5	.0	.0	.0
25	14.5	14.0	14.5	11.0	10.5	10.5	5.5	4.5	5.0	.0	.0	.0
26	14.5	14.0	14.0	11.0	10.5	11.0	5.0	4.0	4.5	.0	.0	.0
27	14.0	14.0	14.0	11.0	11.0	11.0	4.5	3.5	4.0	.0	.0	.0
28	14.0	13.5	14.0	11.0	11.0	11.0	4.5	3.5	4.0	.0	.0	.0
29	14.0	13.5	13.5	11.0	10.5	10.5	3.5	3.0	3.5	.0	.0	.0
30	14.0	13.5	13.5	10.5	9.5	10.0	3.5	3.0	3.5	.0	.0	.0
31	14.5	13.5	14.0	---	---	---	4.0	3.5	3.5	.0	.0	.0
MONTH	20.5	13.5	16.5	14.5	8.0	11.5	9.5	3.0	7.0	5.5	.0	2.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	2.5	1.5	2.0	8.5	7.0	7.5	11.5	10.5	11.0
2	.0	.0	.0	2.0	1.5	2.0	8.5	7.5	8.0	11.5	11.0	11.0
3	.0	.0	.0	2.5	1.5	2.0	8.5	8.0	8.0	12.5	11.0	11.5
4	.0	.0	.0	2.5	1.5	2.0	8.5	8.0	8.5	12.5	11.5	12.0
5	.0	.0	.0	2.5	2.0	2.5	8.0	8.0	8.0	13.5	11.5	12.5
6	.0	.0	.0	3.0	2.0	2.5	8.5	7.5	8.0	14.0	12.5	13.0
7	.0	.0	.0	3.5	2.5	3.0	8.5	8.0	8.5	15.0	13.0	14.0
8	.0	.0	.0	3.5	3.0	3.0	9.5	8.5	8.5	15.0	13.5	14.5
9	.0	.0	.0	4.0	3.0	3.5	9.5	9.0	9.0	16.5	14.5	15.5
10	.0	.0	.0	4.0	3.5	3.5	9.5	9.0	9.0	16.0	15.0	15.5
11	.5	.0	.0	4.0	3.5	4.0	9.0	9.0	9.0	16.0	15.0	15.5
12	.5	.0	.0	4.0	3.5	4.0	9.0	8.5	9.0	16.0	15.5	16.0
13	.5	.0	.0	3.5	3.0	3.5	9.5	8.5	9.0	16.5	15.5	16.0
14	1.0	.5	1.0	3.5	3.0	3.5	10.0	9.0	9.5	16.5	15.5	16.0
15	1.5	1.0	1.0	4.0	3.0	3.5	9.5	9.0	9.5	16.0	15.5	16.0
16	2.0	1.0	1.5	4.5	3.5	4.0	10.0	9.5	9.5	16.5	15.5	16.0
17	1.5	1.5	1.5	4.5	4.0	4.0	10.0	9.5	9.5	16.5	16.0	16.0
18	1.5	1.0	1.5	4.0	3.5	4.0	9.5	9.5	9.5	17.0	16.0	16.5
19	1.5	1.0	1.5	4.5	3.5	4.0	10.0	9.0	9.5	16.5	16.0	16.5
20	1.5	1.0	1.5	4.5	4.0	4.0	10.5	9.5	10.0	16.0	16.0	16.0
21	1.5	1.0	1.5	4.5	4.0	4.5	10.0	9.5	9.5	16.0	16.0	16.0
22	2.0	1.0	1.5	5.0	4.5	4.5	9.5	9.5	9.5	16.0	16.0	16.0
23	2.0	1.5	1.5	6.0	4.5	5.0	9.5	9.0	9.5	16.5	15.5	16.0
24	2.5	2.0	2.0	6.0	5.0	5.5	10.0	9.0	9.5	17.5	16.0	16.5
25	2.5	2.0	2.5	6.5	5.5	6.0	9.5	9.0	9.5	18.0	17.0	17.5
26	2.5	2.5	2.5	7.0	6.5	7.0	9.5	9.0	9.5	18.5	17.0	17.5
27	2.5	2.5	2.5	8.0	6.5	7.5	10.0	9.0	9.5	18.0	17.5	18.0
28	2.5	1.5	2.5	8.0	7.5	8.0	10.0	9.5	9.5	18.0	17.5	17.5
29	2.0	1.5	2.0	8.0	7.5	8.0	10.5	9.5	10.0	17.5	17.0	17.5
30	---	---	---	8.0	7.0	7.5	11.5	10.0	10.5	18.0	16.5	17.0
31	---	---	---	7.5	7.0	7.5	---	---	---	18.5	16.5	17.5
MONTH	2.5	.0	1.0	8.0	1.5	4.5	11.5	7.0	9.0	18.5	10.5	15.5

01376304 HUDSON RIVER SOUTH OF HASTINGS-ON-HUDSON, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

RESERVOIRS IN HUDSON RIVER BASIN

01335900 DELTA RESERVOIR.--Lat 43°16'29", long 75°25'43", Oneida County, Hydrologic Unit 02020004, on superstructure of gatehouse at Delta Dam on Mohawk River, and 4 mi upstream from Rome. **DRAINAGE AREA**, 148 mi^2. **PERIOD OF RECORD**, May 1913 to current year. **REVISED RECORDS**, WDR NY-85-1: Drainage area. **GAGE**, nonrecording gage read daily at 0800. Datum of gage is Barge Canal datum.

Dam completed Aug. 3, 1912, and controlled storage for which records are available began May 1, 1913. Usable capacity 2,800 mil ft^3 at crest of spillway, elevation 550.0 ft. Reservoir is used for navigation in Barge Canal. Records provided by New York State Thruway Authority.

EXTREMES FOR PERIOD OF RECORD (1951-97).--Maximum contents observed, 3,136 mil ft^3, June 22, 1972, Apr. 17, 1994, Jan. 9, 1998, elevation, 552.8 ft; minimum observed, 2.0 mil ft^3, Jan. 10, 13, 16-21, Feb. 7-15, Feb. 22 to Mar. 2, 1959, elevation, 492.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 3,076 mil ft^3, May 11, elevation, 552.3 ft; minimum observed, 1,669 mil ft^3, Feb. 24, elevation, 539.1 ft.

01343900 HINCKLEY RESERVOIR.--Lat 43°18'41", long 75°06'30", Oneida County, Hydrologic Unit 02020004, on south side of north gatehouse at Hinckley Dam on West Canada Creek at Hinckley, and 2.2 mi east of Prospect. **DRAINAGE AREA**, 372 mi^2. **PERIOD OF RECORD**, March 1914 to current year. **REVISED RECORDS**, WDR NY-85-1: Drainage area. **GAGE**, water-stage recorder. Datum of gage is Barge Canal datum.

Reservoir is formed by earth and concrete dam; storage began March 1914. Usable capacity 3,320 mil ft^3 between elevation 1,173.5 and 1,225.0 ft. Elevation of inverts of four 60-inch discharge pipes at north end of spillway is 1,169.5 ft, and elevation of inverts of two 42-inch pipes at south end for diverting water to city of Utica is 1,164.25 ft. Crest of Ogee spillway is at elevation 1,225.0 ft. Length of spillway is 400 ft. Area of water surface at crest elevation is 4.46 mi^2. Telephone gage-height telemeter at station. Records provided by New York Power Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 4,041 mil ft^3, Oct. 2, 1945, elevation, 1,230.2 ft; minimum observed (after initial filling), not determined.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,652 mil ft^3, Apr. 5, elevation, 1,227.5 ft; minimum, 987 mil ft^3, Feb. 24, 25, elevation, 1,198.3 ft.

01350100 SCHOHARIE RESERVOIR (see station for mean daily elevations, skeleton capacity table, monthly contents and change in contents).

01363400 ASHOKAN RESERVOIR.--Lat 41°57'01", long 74°12'30", Ulster County, Hydrologic Unit 02020006, at gatehouse located at Dividing Weir Dyke, and 1.6 mi south of Shokan. **DRAINAGE AREA**, 256 mi^2. **PERIOD OF RECORD**, September 1913 to current year. **REVISED RECORDS**, WDR NY-72-1: 1968. WDR NY-83-1: (M)(m). **GAGE**, nonrecording gage read daily at 0800. Datum of gage is 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, 51,503 mil gal, June 7, elevation, 591.97 ft, in East basin, 83,547 mil gal, June 7, elevation, 588.81 ft; minimum observed, in West basin, 32,798 mil gal, Dec. 9, elevation, 571.78 ft, in East basin, 39,805 mil gal, Nov. 2, elevation, 558.95 ft.

01366400 RONDOUT RESERVOIR.--Lat 41°47'57", long 74°25'48", Ulster County, Hydrologic Unit 02020007, at release chamber at Merriman Dam on Rondout Creek, 1.1 mi upstream from Brandy Brook, and 1.3 mi northwest of Lackawack. **DRAINAGE AREA**, 95.4 mi^2. **PERIOD OF RECORD**, May 1951 to current year. **GAGE**, water-stage recorder. Datum of gage is 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, 53,244 mil gal, July 14, elevation, 841.18 ft; minimum observed, 45,250 mil gal, Nov. 22, elevation, 829.09 ft.

RESERVOIRS IN HUDSON RIVER BASIN--Continued

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet) †	Contents (million ft³)	Change in contents (equivalent in ft³/s)	Elevation (feet) *	Contents (million ft³)	Change in contents (equivalent in ft³/s)
	01335900 Delta Reservoir			01343900 Hinckley Reservoir		
Sept. 30	540.7	1,813		1,212.4	2,031	
Oct. 31	541.7	1,910	+ 36.2	1,209.2	1,766	- 98.9
Nov. 30	544.0	2,140	+ 88.7	1,211.2	1,927	+ 62.1
Dec. 31	540.5	1,795	-129	1,205.1	1,447	-179
CAL YR 1999	-	-	+ 4.28	-	-	- 31.8
Jan. 31	540.9	1,831	+ 13.4	1,211.7	1,970	+195
Feb. 29	545.7	2,317	+194	1,207.3	1,615	-142
Mar. 31	551.0	2,920	+225	1,225.3	3,359	+651
Apr. 30	550.4	2,848	- 27.8	1,223.3	3,119	- 92.6
May 31	550.5	2,860	+ 4.48	1,223.4	3,131	+ 4.48
June 30	550.0	2,800	- 23.1	1,221.4	2,904	- 87.6
July 31	548.6	2,636	- 61.2	1,222.0	2,970	+ 24.6
Aug. 31	545.8	2,328	-115	1,221.3	2,893	- 28.7
Sept. 30	544.1	2,150	- 68.7	1,211.1	1,919	-376
WTR YR 2000	-	-	+ 10.7	-	-	- 3.54

Date	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft³/s)	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft³/s)	Elevation (feet) **	Contents (million gallons)	Change in contents (equivalent in ft³/s)
	01363398 Ashokan Reservoir West Basin			01363399 Ashokan Reservoir East Basin			01366400 Rondout Reservoir		
Sept. 30	586.86	46,291		563.01	44,907		834.67	48,868	
Oct. 31	587.29	46,719	+ 21.4	559.17	40,068	-242	832.42	47,389	-73.8
Nov. 30	574.20	34,783	-616	568.88	52,669	+650	833.49	48,086	+35.9
Dec. 31	574.72	35,209	+ 21.3	573.22	58,813	+307	834.72	48,894	+40.3
CAL YR 1999	-	-	+ 46.4	-	-	+ 77.3	-	-	- 1.8
Jan. 31	583.82	43,344	+406	565.45	48,054	-537	834.12	48,499	-19.7
Feb. 29	580.76	40,504	-152	570.70	55,183	+380	836.05	49,773	+68.0
Mar. 31	581.63	41,312	+ 40.3	579.80	68,776	+678	834.87	48,992	-39.0
Apr. 30	584.77	44,225	+150	583.90	75,380	+341	836.95	50,373	+71.2
May 31	590.34	49,778	+277	587.30	81,014	+281	838.28	51,267	+44.6
June 30	590.31	49,746	- 1.7	586.90	80,343	- 34.6	839.07	51,802	+27.6
July 31	590.42	49,863	+ 5.8	586.45	79,588	- 37.7	838.12	51,160	-32.0
Aug. 31	590.23	49,661	- 10.1	583.78	75,186	-220	838.12	51,160	0.0
Sept. 30	586.24	45,673	-206	585.50	77,994	+145	838.15	51,180	+ 1.0
WTR YR 2000	-	-	- 2.6	-	-	+140	-	-	+ 9.8

† Elevation at 2400 hours by interpolation.
* Elevation at 2400 hours.
†† Elevation at 0800 hours on last day of month.
** Elevation at daily reading on first day of following month.

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 1999 TO SEPTEMBER 2000

Month	01343899 Hinckley Reservoir	01363401 Ashokan Reservoir	01366399 Rondout Reservoir
October.....	28.0	748	1,067
November.....	29.9	778	1,160
December.....	30.2	753	1,177
CAL YR 1999	32.2	742	1,040
January.....	31.1	806	1,183
February.....	33.0	885	1,181
March.....	32.3	662	1,227
April.....	29.6	681	1,163
May.....	31.7	720	1,174
June.....	30.9	733	1,223
July.....	32.6	848	1,091
August.....	32.0	901	1,072
September.....	30.9	898	1,309
WTR YR 2000	30.9	784	1,170

01376800 HACKENSACK RIVER AT WEST NYACK, NY

LOCATION.--Lat 41°05'44", long 73°57'52", Rockland County, Hydrologic Unit 02030103, on right bank 20 ft downstream from Penn Central Transportation Co. railroad bridge at West Nyack, 1,000 ft upstream from State Highway 59, and 1.0 mi downstream from DeForest Lake.
DRAINAGE AREA.--30.7 mi^2.
PERIOD OF RECORD.--December 1958 to current year.
REVISIONS.--WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder, stop-log control, and crest-stage gage. Datum of gage is 53.50 ft above 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 ft^3/s, Sept. 16, 1999, gage height, 11.21 ft, from floodmarks in gage house, from rating curve extended above 840 ft^3/s; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 343 ft^3/s, June 7, gage height, 5.56 ft; minimum, 4.5 ft^3/s, Nov. 21, 22, 23, gage height, 2.33 ft.

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	93	16	36	19	18	49	36	23	15	20	20	16
2	50	32	15	17	18	43	29	25	15	20	17	e20
3	40	96	14	16	17	37	26	20	16	18	18	e50
4	68	64	15	19	18	30	45	16	10	20	19	25
5	109	45	14	32	18	26	48	15	8.4	19	15	24
6	58	34	16	20	18	22	40	14	50	19	14	22
7	43	29	21	18	18	19	33	13	266	21	16	20
8	31	19	17	16	18	17	26	13	92	21	15	21
9	24	16	15	14	19	17	36	13	47	22	16	25
10	31	14	15	30	21	21	34	14	37	21	18	23
11	39	22	19	e34	21	44	29	19	31	17	23	21
12	29	11	15	e28	15	151	28	15	42	12	18	18
13	22	12	13	e25	15	96	21	14	39	14	15	22
14	25	12	34	e22	38	55	17	78	31	16	17	18
15	18	14	67	e20	32	46	16	56	26	19	16	30
16	14	14	57	e17	39	39	21	36	23	9.6	20	20
17	14	13	46	e15	40	114	26	24	21	19	16	18
18	48	10	37	13	40	78	45	20	22	21	15	20
19	26	9.9	29	10	46	48	42	39	20	16	15	45
20	28	9.5	32	10	39	42	30	44	19	15	14	27
21	28	7.4	69	15	33	38	52	43	18	14	14	20
22	24	6.9	61	14	30	38	194	36	25	14	14	18
23	26	9.9	48	12	32	31	108	30	22	15	15	19
24	23	17	40	12	38	26	105	74	17	15	15	24
25	18	16	30	18	51	22	66	71	20	15	14	21
26	15	22	23	18	60	25	54	48	24	21	14	23
27	16	62	22	16	57	21	46	32	22	37	17	22
28	14	59	19	15	63	123	41	22	19	16	17	19
29	15	44	16	15	59	95	35	15	19	15	14	19
30	23	36	18	17	---	57	33	13	18	20	15	19
31	13	---	21	19	---	46	---	18	---	14	16	---
TOTAL	1025	772.6	894	566	931	1516	1362	913	1034.4	555.6	502	689
MEAN	33.1	25.8	28.8	18.3	32.1	48.9	45.4	29.5	34.5	17.9	16.2	23.0
MAX	109	96	69	34	63	151	194	78	266	37	23	50
MIN	13	6.9	13	10	15	17	16	13	8.4	9.6	14	16

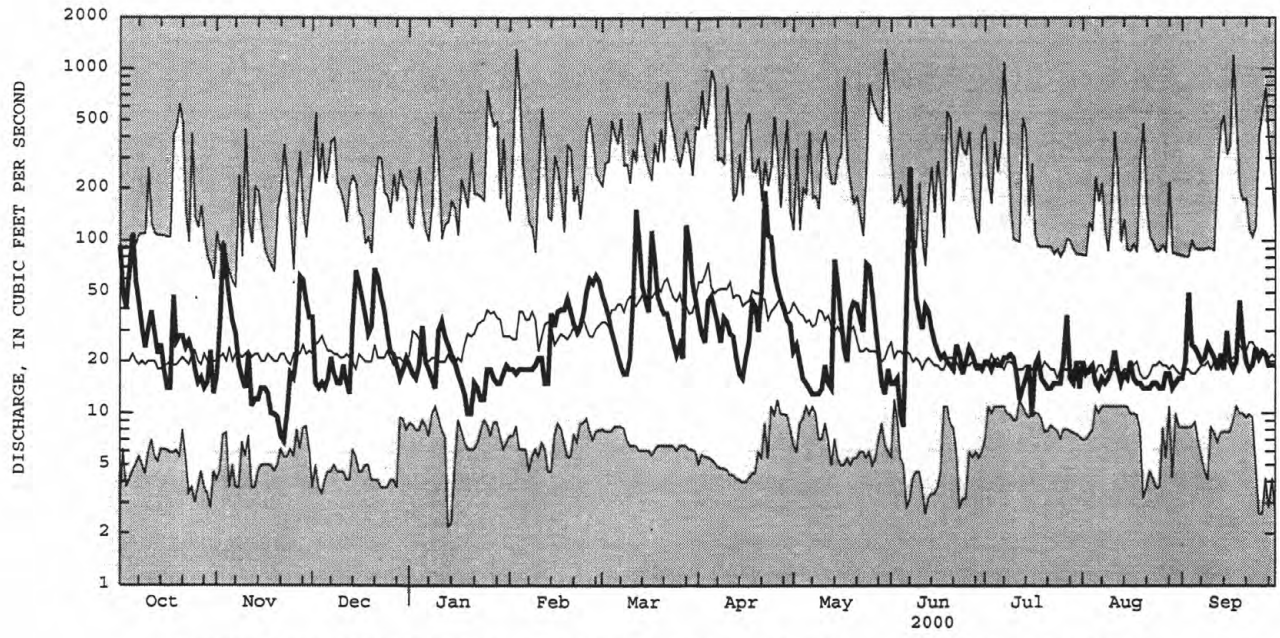
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

MEAN	30.9	30.6	37.6	42.1	48.2	68.2	71.4	51.2	34.3	32.6	27.4	34.8
MAX	84.2	88.6	135	125	152	151	204	162	162	127	83.3	105
(WY)	1990	1976	1997	1978	1973	1961	1983	1989	1972	1984	1966	1999
MIN	7.27	7.59	5.63	8.95	10.3	6.95	9.61	7.04	12.7	10.1	12.3	9.34
(WY)	1967	1967	1967	1967	1967	1981	1966	1965	1981	1999	1981	1962

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1959 - 2000	
ANNUAL TOTAL	9313.4		10760.6			
ANNUAL MEAN	25.5		29.4		42.6	
HIGHEST ANNUAL MEAN					74.1	1984
LOWEST ANNUAL MEAN					13.4	1981
HIGHEST DAILY MEAN	1200	Sep 17	266	Jun 7	1320	Feb 3 1973
LOWEST DAILY MEAN	6.9	Nov 22	6.9	Nov 22	2.2	Jan 13 1996
ANNUAL SEVEN-DAY MINIMUM	7.4	Jul 28	9.5	Nov 17	3.1	Sep 25 1966
10 PERCENT EXCEEDS	40		51		85	
50 PERCENT EXCEEDS	13		21		23	
90 PERCENT EXCEEDS	9.8		14		12	

e Estimated

01376800 HACKENSACK RIVER AT WEST NYACK, NY--Continued



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

01377000 HACKENSACK RIVER AT RIVERVALE, NJ

LOCATION.--Lat 40°59'57", long 73°59'23" (revised), Bergen County, Hydrologic Unit 02030103, on upstream right bank at bridge on Westwood Avenue in Rivervale, 1.5 mi upstream from Pascack Brook, 4.1 mi downstream of Lake Tappan, and 4.6 mi upstream from Oradell Dam.

DRAINAGE AREA.--58.0 mi^2.

PERIOD OF RECORD.--October 1941 to current year.

REVISED RECORDS.--WDR-NJ-80-1: 1968-79(M).

GAGE.--Water-stage recorder, crest-stage gages, and concrete control. Datum of gage is 22.51 ft above sea level.

REMARKS.--Records good except estimated discharges, which are fair. Flow regulated by De Forest Lake (since 1956) and Lake Tappan (since 1965), see Hackensack River basin, reservoirs in. Diversions from De Forest Lake and West Nyack, NY, for municipal water supply (see Hackensack River basin, diversions). Several measurements of water temperature were made during the year. United Water New Jersey (formerly Hackensack Water Co.) gage-height telemeter at station.

COOPERATION.--Gage-height record collected in cooperation with United Water New Jersey.

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

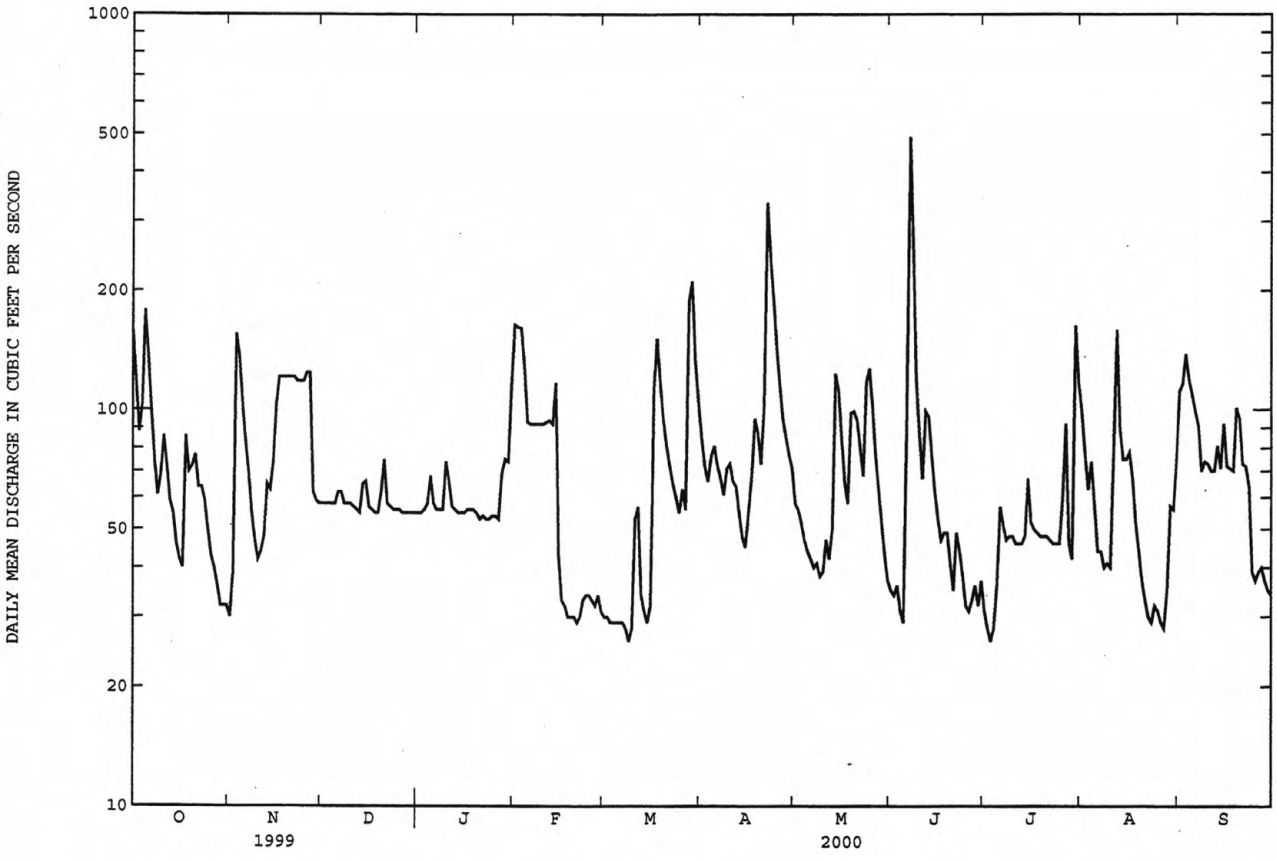
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	30	58	55	164	30	85	58	35	31	99	111
2	120	39	58	55	162	30	72	56	34	28	77	116
3	88	156	58	56	161	29	66	52	36	26	63	138
4	103	137	58	58	129	29	76	47	31	28	74	119
5	179	104	58	68	93	29	81	44	29	36	57	109
6	137	83	62	58	92	29	72	42	96	57	44	99
7	99	69	62	56	92	29	67	40	492	51	44	91
8	74	55	58	56	92	28	61	41	262	47	40	70
9	61	47	58	56	92	26	71	38	120	48	41	74
10	69	42	58	74	92	28	73	39	87	48	40	73
11	86	44	57	66	93	53	66	47	67	46	80	70
12	72	48	56	57	94	57	64	42	99	46	159	70
13	59	65	55	56	92	34	55	50	96	46	89	81
14	55	63	65	55	117	31	48	123	76	48	75	71
15	46	74	66	e55	43	29	45	112	62	67	75	92
16	42	103	57	55	33	32	55	85	53	52	78	72
17	40	121	56	56	32	112	68	66	47	50	67	71
18	86	121	55	56	30	151	95	58	49	49	52	70
19	70	121	55	56	30	116	87	98	49	48	44	101
20	72	121	62	55	30	94	73	99	41	48	37	95
21	77	121	75	53	29	81	103	94	35	48	33	73
22	64	121	58	54	30	72	334	80	49	47	30	72
23	64	118	57	53	33	65	243	68	44	46	29	64
24	59	118	56	53	34	60	190	117	38	46	32	39
25	50	118	56	54	34	55	144	127	32	46	31	37
26	43	124	56	54	33	63	116	101	31	60	29	39
27	40	124	55	53	32	56	95	76	33	92	28	40
28	36	62	55	69	34	188	85	63	36	46	35	37
29	32	59	55	75	31	211	77	52	32	42	57	35
30	32	58	55	74	---	133	71	43	37	163	56	34
31	32	---	55	115	---	105	---	37	---	117	75	---
TOTAL	2246	2666	1805	1866	2053	2085	2838	2095	2228	1653	1770	2263
MEAN	72.5	88.9	58.2	60.2	70.8	67.3	94.6	67.6	74.3	53.3	57.1	75.4
MAX	179	156	75	115	164	211	334	127	492	163	159	138
MIN	32	30	55	53	29	26	45	37	29	26	28	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2000, BY WATER YEAR (WY)

MEAN	58.9	69.5	78.9	87.5	90.8	134	138	101	74.3	77.6	69.8	65.5
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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1942 - 2000	
ANNUAL TOTAL	22816.8		25568			
ANNUAL MEAN	62.5		69.9		87.2	
HIGHEST ANNUAL MEAN					156	1952
LOWEST ANNUAL MEAN					30.9	1981
HIGHEST DAILY MEAN	1450	Sep 17	492	Jun 7	2190	May 31 1984
LOWEST DAILY MEAN	9.1	Jan 2	26	Mar 9	4.4	Oct 10 1995
ANNUAL SEVEN-DAY MINIMUM	12	Aug 30	28	Mar 4	5.0	Oct 7 1995
INSTANTANEOUS PEAK FLOW			632	Jun 7	2530	May 17 1989
INSTANTANEOUS PEAK STAGE			3.40	Jun 7	8.08	May 17 1989
INSTANTANEOUS LOW FLOW			26	Mar 8	.00	Jan 16 1970
10 PERCENT EXCEEDS	95		118		167	
50 PERCENT EXCEEDS	54		58		59	
90 PERCENT EXCEEDS	14		32		21	

e Estimated


DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND
1000
500
200
100
50
20
10
O
N
D
J
F
M
A
M
J
J
A
S
1999
2000

RESERVOIRS IN HACKENSACK RIVER BASIN

01376700 DE FOREST LAKE.--Lat 41°06'23", long 73°58'01, Rockland County, NY, Hydrologic Unit 02030103, at dam on Hackensack River, 0.8 mi north of West Nyack, NY. DRAINAGE AREA, 27.5 mi^2. PERIOD OF RECORD, February 1956 to current year. REVISED RECORDS.--WDR NJ-84-1: Drainage area, WDR NJ-99-1: 1998 (elevation, contents). GAGE, water-stage recorder. Datum of gage is 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 mi^2. PERIOD OF RECORD, October 1966 to current year. REVISED RECORDS, WDR NJ-89-1: Capacity, WDR NJ-99-1: 1998 (elevation, contents). GAGE, water-stage recorder. Datum of gage is 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 mi^2. PERIOD OF RECORD, December 1929 to current year. Monthend contents only, prior to September 1953, published in WSP 1302, 1722. REVISED RECORDS, WDR NJ-89-1: Capacity, WDR NJ-99-1: 1998 (elevation, contents). GAGE, water-stage recorder. Datum of gage is 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 mi^2. PERIOD OF RECORD, December 1922 to current year. Monthend contents only, prior to September 1953, published in WSP 1302, 1722. REVISED RECORDS.--WDR NJ-84-1: Spillway elevation, WDR NJ-89-1: Capacity, WDR NJ-99-1: 1998 (elevation, contents). GAGE, water-stage recorder. Datum of gage is 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 1999 TO SEPTEMBER 2000

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.....	85.18	5,730	--	55.27	3,951	--
Oct. 31.....	84.91	5,642	-4.4	55.15	3,908	-2.1
Nov. 30.....	85.11	5,707	+3.4	53.55	3,343	-29.1
Dec. 31.....	85.01	5,674	-1.6	53.86	3,450	+5.3
CAL YR 1999			+14.0			+7.6
Jan. 31.....	84.86	5,624	-2.5	53.46	3,311	-6.9
Feb. 29.....	85.21	5,741	+6.2	53.61	3,364	+2.8
Mar. 31.....	85.18	5,730	-.5	55.25	3,944	+28.9
Apr .30.....	85.12	5,710	-1.0	55.17	3,915	-1.5
May 31.....	85.06	5,690	-1.0	55.07	3,878	-1.8
June 30.....	84.82	5,613	-4.0	55.05	3,872	-.3
July 31.....	84.49	5,504	-5.4	55.22	3,932	+3.0
Aug. 31.....	83.95	5,330	-8.7	54.75	3,763	-8.4
Sept.30.....	83.60	5,220	-5.7	54.18	3,562	-10.4
WTR YR 2000			-2.1			-1.6

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.....	88.58	530	--	22.65	3,369	--
Oct. 31.....	89.73	587	+2.8	18.42	2,334	-51.6
Nov. 30.....	89.49	575	-.6	19.41	2,561	+11.7
Dec. 31.....	90.79	642	+3.3	19.18	2,508	-2.6
CAL YR 1999			+1.0			+.7
Jan. 31.....	90.79	642	0	17.84	2,202	-15.3
Feb. 29.....	91.07	656	+.7	20.69	2,868	+35.5
Mar. 31.....	91.10	658	+.1	23.21	3,522	+32.6
Apr. 30.....	90.98	651	-.4	22.85	3,424	-5.1
May 31.....	92.40	727	+3.8	21.59	3,092	-16.6
June 30.....	93.20	771	+2.3	20.17	2,743	-18.0
July 31.....	92.63	740	-1.5	21.78	3,140	+19.8
Aug. 31.....	90.31	617	-6.1	18.38	2,324	-40.7
Sept.30.....	90.42	622	+.3	19.97	2,694	+19.1
WTR YR 2000			+.4			-2.9

† Elevation at 2400 of the last day of each month.

DIVERSIONS INTO AND FROM HACKENSACK RIVER BASIN

01376272 United Water New Jersey, diverts water from Sparkill Creek (Hudson River basin) at foot of Danny Lane in Northvale, 300 ft south of New York-New Jersey state line and 0.6 mi upstream from Sparkill Brook. Water is diverted into Oradell Reservoir on the Hackensack River, for municipal supply. Records provided by United Water New Jersey (formerly Hackensack Water Company).

01376699 United Water New York (formerly Spring Valley Water Company), diverts water from De Forest Lake for municipal supply in Rockland County, NY. Records provided by United Water New York (formerly Spring Valley Water Company).

01376810 Village of Nyack, NY, diverts water from Hackensack River 100 ft downstream from gaging station on Hackensack River at West Nyack, NY (station 01376800, measured flow includes diversions) for municipal supply. Records provided by Board of Water Commissioners of Nyack, NY.

01378490 United Water New Jersey, diverts water for municipal supply from Oradell Reservoir at Haworth pumping station (station 01378478) 2.0 mi upstream from gaging station on Hackensack River at New Milford and prior to May 1990 from Hackensack River, at New Milford pumping station just upstream from gaging station on Hackensack River at New Milford, NJ (station 01378500). Diversion from the New Milford pumping station was discontinued in May 1990. Records provided by United Water New Jersey (formerly Hackensack Water Company).

01378521 (revised) United Water New Jersey, diverts water from Hirshfeld Brook, a tributary of the Hackensack River, below the gaging station on Hackensack River at New Milford, NJ, for municipal supply. Records provided by United Water New Jersey (formerly Hackensack Water Company).

01390520 (revised) United Water New Jersey, diverts water from Saddle River (Passaic River basin) 0.3 mi downstream from Grove Street in Paramus, and 0.3 mi upstream from Hohokus Brook. Water is diverted into Oradell Reservoir on the Hackensack River via Musquapsink and Pascack Brooks for municipal supply. Records provided by United Water New Jersey (formerly Hackensack Water Company).

DIVERSIONS, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MONTH	01376699 UNITED WATER NEW YORK.	01376810 WEST NYACK, NY	01378490 UNITED WATER NEW JERSEY
October	12.3	2.75	125
November	12.1	2.60	141
December	11.6	2.55	123
CAL YR 1999	14.2	2.94	147
January	12.5	2.67	134
February	12.1	2.85	140
March	12.2	2.76	140
April	12.3	2.85	140
May	14.0	3.10	149
June	15.3	3.03	165
July	17.2	3.10	172
August	14.5	3.09	153
September	13.2	3.09	144
WTR YR 2000	13.3	2.87	144

The following are diversions by pumpage from sources other than the Hackensack River into Oradell Reservoir. These figures are included in diversions from Hackensack River as noted above (station 01378490)

MONTH	01376272 SPARKILL CREEK (HUDSON RIVER BASIN)	01378521 HIRSHFELD BROOK (HACKENSACK RIVER BASIN)	01388981 POMPTON RIVER (PASSAIC RIVER BASIN)	01390520 SADDLE RIVER (PASSAIC RIVER BASIN)	WELLS TO SURFACE SUPPLY
October	0	0	0	0	.39
November	0	0	0	0	.54
December	0	0	0	0	.44
CAL YR 1999	.38	.52	20.8	7.01	.83
January	0	0	0	0	.38
February	0	1.87	0	10.6	.50
March	0	0	0	7.52	.55
April	0	0	0	0	.61
May	0	0	.94	0	.58
June	0	0	7.67	.01	.57
July	.70	1.16	45.9	9.97	.47
August	0	0	2.82	0	.36
September	0	0	9.69	0	.37
WTR YR 2000	.06	.25	5.63	2.32	.48

01387250 RAMAPO RIVER AT SLOATSBURG, NY

LOCATION.--Lat 41°10'08", long 74°11'27", Rockland County, Hydrologic Unit 02030103, on left bank 300 ft upstream from bridge on Washington Avenue at Sloatsburg, 600 ft downstream from unnamed tributary, 0.6 mi upstream from Stony Brook, and 4.5 mi northwest of Suffern.
DRAINAGE AREA.--60.1 mi^2.
PERIOD OF RECORD.--September 1959 to September 1963, January 1999 to September 2000 (discontinued). Annual maximum, water years 1976-79.
REVISED RECORDS.--WDR NY-79-1: 1978(M).
GAGE.--Water-stage recorder. Datum of gage is 361.86 ft above sea level. Prior to Jan. 21, 1999, datum was 1.09 ft lower.
REMARKS.--Records fair. Occasional regulation from lakes and ponds upstream from the station. Several measurements of water temperature were made during the year. Sewage effluent enters stream at Harriman and other locations upstream of gage.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 16, 1955, reached a stage of 11.1 ft (present datum), from floodmarks (discharge at Tuxedo Park, drainage area, 57.7 mi^2, 5,970 ft^3/s, by slope-area measurement).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	119	207	170	64	42	14	12	9.1
2	---	---	---	---	169	198	155	61	38	14	10	8.5
3	---	---	---	---	287	163	140	59	35	13	9.1	8.2
4	---	---	---	---	218	607	129	65	31	13	8.8	8.1
5	---	---	---	---	185	554	118	69	27	17	8.7	8.0
6	---	---	---	---	150	354	107	63	24	15	8.2	36
7	---	---	---	---	137	339	102	58	24	12	8.0	48
8	---	---	---	---	135	258	93	59	22	11	8.3	96
9	---	---	---	---	120	209	97	61	20	11	9.0	49
10	---	---	---	---	117	177	156	56	19	12	8.6	30
11	---	---	---	---	111	158	118	49	18	10	8.0	28
12	---	---	---	---	105	145	125	45	18	10	8.1	21
13	---	---	---	---	142	127	122	40	17	10	7.7	17
14	---	---	---	---	130	121	103	34	18	10	12	15
15	---	---	---	---	106	137	92	32	17	10	12	14
16	---	---	---	---	97	136	87	30	16	9.4	9.7	873
17	---	---	---	---	93	146	111	31	15	9.9	8.9	3660
18	---	---	---	---	149	169	103	30	16	9.6	8.4	1210
19	---	---	---	---	253	154	92	69	17	9.6	7.7	444
20	---	---	---	---	188	136	87	211	15	9.7	8.1	268
21	---	---	---	---	157	127	89	123	16	9.2	10	211
22	---	---	---	233	134	1230	83	78	16	9.2	11	186
23	---	---	---	240	112	1190	85	65	15	9.6	9.6	154
24	---	---	---	506	101	626	136	85	14	9.7	9.1	118
25	---	---	---	735	92	434	110	127	14	8.8	8.6	95
26	---	---	---	420	90	336	95	92	14	9.0	17	78
27	---	---	---	289	88	273	86	74	13	8.8	33	66
28	---	---	---	236	90	307	78	62	13	8.5	16	58
29	---	---	---	202	---	293	73	60	17	8.5	11	51
30	---	---	---	166	---	230	68	52	17	19	11	119
31	---	---	---	137	---	193	---	47	---	17	10	---
TOTAL	---	---	---	3164	3875	9734	3210	2051	598	347.5	327.6	7986.9
MEAN	---	---	---	316	138	314	107	66.2	19.9	11.2	10.6	266
MAX	---	---	---	735	287	1230	170	211	42	19	33	3660
MIN	---	---	---	137	88	121	68	30	13	8.5	7.7	8.0
CFSM	---	---	---	5.26	2.30	5.22	1.78	1.10	.33	.19	.18	4.43
IN.	---	---	---	1.96	2.40	6.03	1.99	1.27	.37	.22	.20	4.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1999, BY WATER YEAR (WY)

MEAN	48.7	97.9	105	110	145	255	189	79.7	37.3	33.9	62.3	105
MAX	98.1	161	195	162	268	330	298	174	68.1	109	267	266
(WY)	1960	1963	1960	1960	1961	1961	1961	1961	1961	1960	1960	1999
MIN	10.4	29.6	48.8	60.9	46.7	118	78.3	35.0	16.2	6.38	9.86	8.35
(WY)	1962	1962	1962	1961	1962	1960	1963	1962	1963	1962	1963	1962

SUMMARY STATISTICS	FOR 1999 WATER YEAR		WATER YEARS 1959 - 1999	
ANNUAL MEAN			105	
HIGHEST ANNUAL MEAN			162	1960
LOWEST ANNUAL MEAN			65.9	1962
HIGHEST DAILY MEAN	3660	Sep 17	3660	Sep 17 1999
LOWEST DAILY MEAN	7.7	Aug 13	4.2	Jul 11 1962
ANNUAL SEVEN-DAY MINIMUM	8.2	Aug 7	4.4	Sep 3 1963
INSTANTANEOUS PEAK FLOW	5780a	Sep 17	5780a	Sep 17 1999
INSTANTANEOUS PEAK STAGE	10.92	Sep 17	10.92	Sep 17 1999
INSTANTANEOUS LOW FLOW	7.2	Aug 13	3.7	Sep 17 1962
ANNUAL RUNOFF (CFSM)			1.75	
ANNUAL RUNOFF (INCHES)			23.71	
10 PERCENT EXCEEDS	239		254	
50 PERCENT EXCEEDS	62		56	
90 PERCENT EXCEEDS	9.1		8.4	

a From rating curve extended above 1,600 ft^3/s on basis of slope area measurement at stage of 12.3 ft.

01387250 RAMAPO RIVER AT SLOATSBURG, NY--Continued

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	151	48	131	65	51	373	165	140	66	130	160	30
2	95	70	113	61	48	306	150	131	60	85	140	49
3	73	383	102	64	43	255	139	120	60	66	127	39
4	81	293	97	67	43	216	172	108	52	67	156	34
5	141	202	91	112	42	189	178	99	48	58	120	30
6	124	160	90	96	41	167	145	100	138	56	93	26
7	92	141	109	78	38	147	127	90	793	41	91	25
8	73	126	95	71	37	138	114	88	582	35	82	24
9	68	109	84	63	34	131	134	81	e280	31	67	24
10	77	98	76	83	34	134	158	71	e220	32	59	23
11	96	92	82	203	37	138	156	89	170	29	68	22
12	76	83	74	162	50	344	143	79	281	26	192	22
13	64	76	69	129	45	318	127	83	243	25	145	29
14	63	68	82	112	106	240	114	147	205	24	115	31
15	64	66	200	97	251	205	107	109	182	234	152	43
16	56	63	193	84	197	184	107	83	158	399	155	38
17	49	58	164	e72	169	298	109	76	134	229	141	29
18	52	54	139	e65	146	328	160	74	122	155	105	26
19	52	54	122	e60	139	254	170	119	134	113	90	36
20	64	52	115	51	130	221	140	155	110	93	75	206
21	90	56	194	e60	116	199	143	158	90	75	63	103
22	71	54	178	e70	108	178	307	136	98	80	57	59
23	94	51	145	e80	112	161	328	124	84	66	50	45
24	101	50	126	60	133	147	434	181	67	54	61	41
25	87	50	108	49	249	134	324	186	59	49	51	37
26	74	59	92	61	416	125	261	145	60	50	44	34
27	69	261	89	e60	372	114	232	117	66	202	39	45
28	62	281	80	e65	512	264	207	100	83	215	37	38
29	59	193	74	e60	547	310	184	88	70	147	35	36
30	56	156	70	e60	---	227	159	80	201	141	32	31
31	52	---	69	e70	---	190	---	73	---	199	31	---
TOTAL	2426	3507	3453	2490	4246	6635	5394	3430	4916	3206	2833	1255
MEAN	78.3	117	111	80.3	146	214	180	111	164	103	91.4	41.8
MAX	151	383	200	203	547	373	434	186	793	399	192	206
MIN	49	48	69	49	34	114	107	71	48	24	31	22

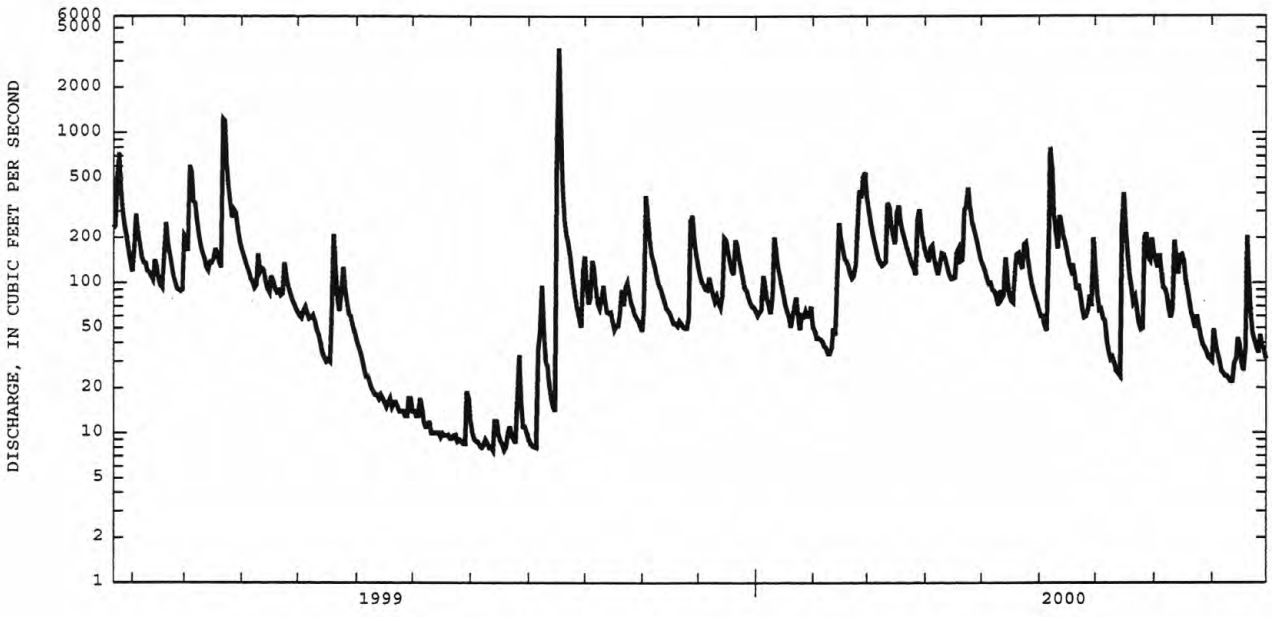
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

MEAN	54.6	102	106	104	145	249	187	84.9	58.4	45.4	67.1	94.4
MAX	98.1	161	195	162	268	330	298	174	164	109	267	266
(WY)	1960	1963	1960	1960	1961	1961	1961	1961	2000	1960	1960	1999
MIN	10.4	29.6	48.8	60.9	46.7	118	78.3	35.0	16.2	6.38	9.86	8.35
(WY)	1962	1962	1962	1961	1962	1960	1963	1962	1963	1962	1963	1962

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1959 - 2000	
ANNUAL TOTAL			43791			
ANNUAL MEAN			120		108	
HIGHEST ANNUAL MEAN					162	1960
LOWEST ANNUAL MEAN					65.9	1962
HIGHEST DAILY MEAN	3660	Sep 17	793	Jun 7	3660	Sep 17 1999
LOWEST DAILY MEAN	7.7	Aug 13	22	Sep 11	4.2	Jul 11 1962
ANNUAL SEVEN-DAY MINIMUM	8.2	Aug 7	24	Sep 6	4.4	Sep 3 1963
INSTANTANEOUS PEAK FLOW			899	Jun 7	5780a	Sep 17 1999
INSTANTANEOUS PEAK STAGE			6.62	Jun 7	10.92	Sep 17 1999
INSTANTANEOUS LOW FLOW			21	Sep 11	3.7	Sep 17 1962
ANNUAL RUNOFF (CFSM)			1.99		1.79	
ANNUAL RUNOFF (INCHES)			27.11		24.38	
10 PERCENT EXCEEDS	211		223		243	
50 PERCENT EXCEEDS	74		92		64	
90 PERCENT EXCEEDS	9.6		38		9.0	

a From rating curve extended above 1,600 ft^3/s on basis of slope area measurement at stage of 12.3 ft.
e Estimated

01387250 RAMAPO RIVER AT SLOATSBURG, NY--Continued



JANUARY 1999 TO SEPTEMBER 2000 DAILY MEAN DISCHARGE.

01387400 RAMAPO RIVER AT RAMAPO, NY

LOCATION.--Lat 41°08'25", long 74°10'08", Rockland County, Hydrologic Unit 02030103, on right bank, 105 ft downstream from highway bridge on New York State Thruway at Ramapo, 500 ft upstream from local bridge, and 0.3 mi upstream from Torne Brook.
DRAINAGE AREA.--86.9 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1936, 1952, 1956-58, 1977. June 1979 to current year.
REVISED RECORDS.--WDR NY-81-1: 1980(m). WDR NY-90-1: Drainage area.
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 297.00 ft above sea level.
REMARKS.--Records fair. Occasional regulation by Lake Sebago.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,700 ft^3/s, Apr. 5, 1984, gage height, 13.82 ft, from rating curve extended above 3,600 ft^3/s on basis of runoff comparison with station 1.5 mi downstream; minimum discharge, 5.3 ft^3/s, Aug. 7, 1983, gage height, 1.27 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 6,100 ft^3/s, Mar. 12, 1936, by computation of flow over dam.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,050 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	1345	*1,400	*4.88	No other peak greater than base discharge.			

Minimum discharge, 19 ft^3/s, Sept. 12, 13, gage height, 1.77 ft.

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	220	75	203	105	89	500	200	161	86	161	211	36
2	151	134	171	101	e85	396	184	153	78	110	192	55
3	118	583	157	105	e80	323	172	137	82	89	177	61
4	143	395	155	115	75	270	232	124	70	89	206	51
5	224	272	151	182	71	236	228	115	63	77	163	43
6	198	222	158	150	65	210	186	111	218	72	125	33
7	161	195	176	128	62	189	160	104	1260	54	121	28
8	143	173	149	114	57	178	143	103	823	45	115	25
9	117	151	132	105	55	168	178	98	381	37	96	24
10	137	137	127	159	56	171	200	90	266	36	84	22
11	166	129	136	319	64	189	194	106	207	33	100	22
12	127	115	118	251	76	495	177	98	337	28	228	21
13	105	105	107	e200	71	409	150	106	304	25	179	33
14	107	101	141	e170	193	298	134	219	251	23	159	36
15	98	98	289	e150	335	250	125	150	217	399	207	65
16	87	91	280	e130	276	223	127	111	192	553	203	62
17	80	82	234	e115	235	419	134	99	159	291	188	42
18	97	76	202	e105	212	403	206	98	159	203	145	33
19	86	73	181	e95	204	307	209	157	171	155	123	61
20	107	72	181	e90	180	266	171	199	144	130	103	264
21	139	78	300	e87	160	238	191	203	113	106	87	159
22	116	76	268	e85	147	215	428	177	128	104	76	87
23	149	73	221	e80	158	196	460	162	110	90	68	60
24	154	76	197	e78	195	185	602	238	89	76	86	52
25	126	77	173	e85	333	168	425	229	76	68	75	46
26	109	94	155	e105	538	157	325	181	74	72	65	44
27	101	404	144	e100	495	140	281	151	88	282	56	58
28	94	403	136	e95	763	381	248	136	119	289	51	46
29	88	281	121	e90	745	393	216	122	99	207	47	38
30	85	233	114	e80	---	278	188	111	227	196	42	33
31	80	---	110	94	---	228	---	97	---	249	39	---
TOTAL	3913	5074	5387	3868	6075	8479	6874	4346	6591	4349	3817	1640
MEAN	126	169	174	125	209	274	229	140	220	140	123	54.7
MAX	224	583	300	319	763	500	602	238	1260	553	228	264
MIN	80	72	107	78	55	140	125	90	63	23	39	21
CFSM	1.45	1.95	2.00	1.44	2.41	3.15	2.64	1.61	2.53	1.61	1.42	.63
IN.	1.68	2.17	2.31	1.66	2.60	3.63	2.94	1.86	2.82	1.86	1.63	.70

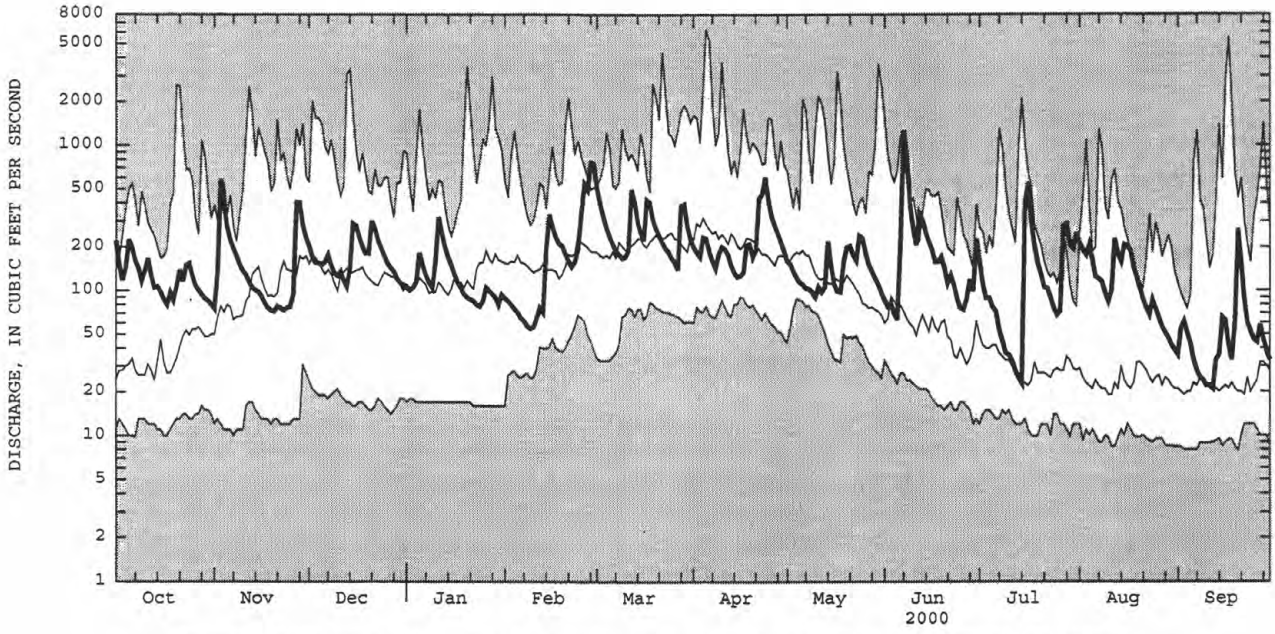
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2000, BY WATER YEAR (WY)

MEAN	98.6	166	204	190	206	309	325	206	112	64.0	51.1	73.4
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	74.1	25.5	13.7	10.7	10.8
(WY)	1985	1999	1999	1981	1980	1981	1985	1995	1999	1993	1981	1981

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1979 - 2000	
ANNUAL TOTAL	65408.4		60413			
ANNUAL MEAN	179		165		167	
HIGHEST ANNUAL MEAN					284	1984
LOWEST ANNUAL MEAN					80.4	1985
HIGHEST DAILY MEAN	5600	Sep 17	1260	Jun 7	6300	Apr 5 1984
LOWEST DAILY MEAN	9.7	Aug 19	21	Sep 12	7.9	Sep 20 1983
ANNUAL SEVEN-DAY MINIMUM	10	Aug 6	25	Sep 6	8.1	Sep 1 1981
ANNUAL RUNOFF (CFSM)	2.06		1.90		1.92	
ANNUAL RUNOFF (INCHES)	28.00		25.86		26.03	
10 PERCENT EXCEEDS	325		290		350	
50 PERCENT EXCEEDS	116		136		94	
90 PERCENT EXCEEDS	14		57		17	

e Estimated

01387400 RAMAPO RIVER AT RAMAPO, NY--Continued



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

01387420 RAMAPO RIVER AT SUFFERN, NY

LOCATION.--Lat 41°07'06", long 74°09'38", Rockland County, Hydrologic Unit 02030103, on left bank, 145 ft downstream from highway bridge on New York State Thruway at Suffern, and 1.1 mi upstream from Mahwah River.
DRAINAGE AREA.--93.0 mi^2.
PERIOD OF RECORD.--June 1979 to current year.
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 ft^3/s, Apr. 5, 1984, gage height, 15.38 ft, from rating curve extended above 5,400 ft^3/s; minimum discharge, 1.7 ft^3/s, Sept. 7, 1995, gage height, 1.04 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 6,600 ft^3/s, Mar. 12, 1936, by computation of flow over dam at site 0.65 mi upstream, drainage area, 90.6 mi^2.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft^3/s and maximum(*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	1400	*1,350	*6.17	No other peak greater than base discharge.			

Minimum discharge, 16 ft^3/s, Sept. 12, 13; minimum gage height, 1.53 ft, Sept. 12.

REVISIONS.--The maximum discharge for the water year 1999 has been revised to about 10,500 ft^3/s, Sept. 16, 1999, gage height, 15.23 ft (backwater), based on runoff comparison with nearby stations. This figure supercedes that published in the report for 1999.

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	275	80	201	100	84	571	234	183	78	147	234	30
2	178	156	164	97	75	467	207	168	70	92	202	44
3	134	634	145	101	70	387	190	151	72	71	181	51
4	170	474	141	112	68	325	287	133	61	70	228	43
5	286	333	136	198	64	285	276	121	55	62	164	36
6	249	275	143	157	61	250	214	119	238	58	119	28
7	190	231	168	126	58	214	179	107	1230	41	113	24
8	168	194	141	110	54	196	158	102	849	34	104	22
9	135	169	122	101	52	184	201	94	454	29	85	21
10	167	154	117	178	52	188	233	84	319	28	74	19
11	203	141	126	373	60	220	222	104	252	25	109	18
12	153	123	111	297	71	552	200	93	399	22	256	17
13	125	111	96	e230	66	475	171	104	358	20	184	27
14	126	105	143	e180	241	355	151	270	300	19	170	29
15	112	99	330	e160	400	301	139	168	266	464	228	52
16	98	91	324	e130	328	271	145	114	225	608	214	46
17	90	81	270	e120	281	485	154	96	181	334	190	30
18	115	74	222	e110	249	470	250	94	161	206	134	25
19	97	71	190	e88	246	367	253	171	174	136	110	52
20	128	70	199	e84	204	320	198	231	138	109	89	268
21	169	75	360	e82	175	288	232	237	110	87	74	140
22	134	72	317	e80	164	259	483	200	127	84	65	77
23	186	69	263	e75	175	227	509	181	107	73	60	56
24	188	73	219	e70	224	207	615	289	84	61	75	49
25	149	76	181	e76	392	185	470	279	71	53	65	43
26	127	99	159	e100	601	171	375	208	67	58	55	41
27	113	457	144	e90	567	151	331	162	78	327	46	55
28	101	446	130	e88	804	436	296	134	105	330	42	44
29	95	308	119	e80	790	455	261	116	83	219	38	37
30	90	246	111	70	---	332	219	103	226	212	35	32
31	85	---	106	88	---	277	---	89	---	287	33	---
TOTAL	4636	5587	5598	3951	6676	9871	7853	4705	6938	4366	3776	1456
MEAN	150	186	181	127	230	318	262	152	231	141	122	48.5
MAX	286	634	360	373	804	571	615	289	1230	608	256	268
MIN	85	69	96	70	52	151	139	84	55	19	33	17
ǂ	8.1	9.3	9.8	9.1	8.7	9.1	9.0	9.0	9.0	9.1	9.0	8.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2000, BY WATER YEAR (WY)

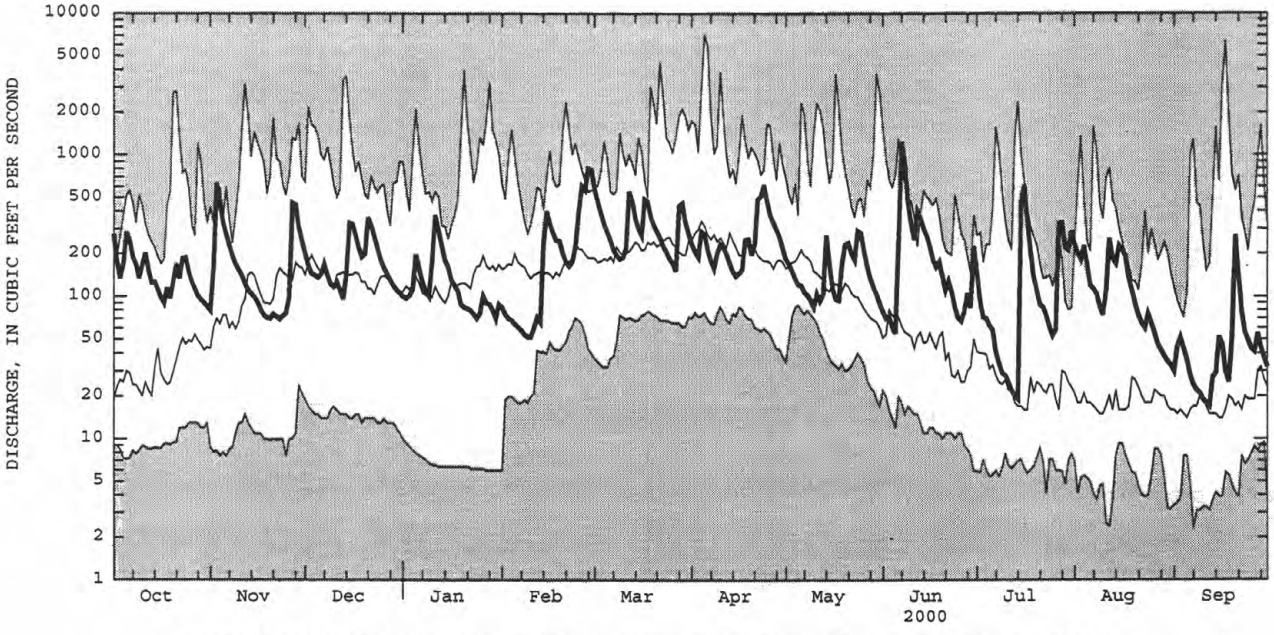
MEAN	102	178	212	202	218	324	340	217	109	61.5	50.6	76.1
MAX	389	496	693	654	475	816	862	777	269	308	305	508
(WY)	1990	1996	1984	1996	1981	1983	1984	1989	1982	1996	1990	1999
MIN	11.0	14.6	14.8	6.84	49.7	128	77.1	79.4	18.5	8.03	7.40	8.17
(WY)	1985	1999	1999	1981	1980	1981	1985	1995	1999	1993	1993	1995

e Estimated

ǂ Diversion, in cubic feet per second, by pumpage from well field upstream of station.

01387420 RAMAPO RIVER AT SUFFERN, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1979 - 2000	
ANNUAL TOTAL	69321.5		65413			
ANNUAL MEAN	190		179		174	
HIGHEST ANNUAL MEAN					295	1984
LOWEST ANNUAL MEAN					78.2	1985
HIGHEST DAILY MEAN	6400	Sep 17	1230	Jun 7	7110	Apr 5 1984
LOWEST DAILY MEAN	4.4	Aug 12	17	Sep 12	2.3	Sep 7 1995
ANNUAL SEVEN-DAY MINIMUM	4.7	Aug 7	21	Sep 7	3.1	Sep 7 1995
10 PERCENT EXCEEDS	353		333		372	
50 PERCENT EXCEEDS	115		141		91	
90 PERCENT EXCEEDS	9.1		52		13	



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

01387500 RAMAPO RIVER NEAR MAHWAH, NJ

LOCATION.--Lat 41°05'51", long 74°09'48", Bergen County, Hydrologic Unit 02030103, on left bank 350 ft downstream from State Highway 17, 0.6 mi downstream from Mahwah River, and 1.0 mi west of Mahwah.

DRAINAGE AREA.--120 mi^2.

PERIOD OF RECORD.--October 1902 to December 1906, September 1922 to current year. October 1902 to February 1905 monthly discharge only, published in WSP 1302. Figures of daily discharge Feb. 10, 1903, to Dec. 31, 1904, published in WSP 97, 125,are unreliable and should not be used. Gage-height records for 1903-14 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 781: 1904(M). WSP 1031: 1938, 1940. WSP 1552: 1923(M), 1924, 1925-26(M), 1927-28, 1933, 1937. WRD- NJ 1971: 1968(M). WDR NJ-82-1: Drainage area. WDR-NJ-87-1: 1986.

GAGE.--Water-stage recorder. Datum of gage is 253.10 ft above 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 telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 7	1015	*1,860	*6.71	Aug 11	1730	1,580	6.37
Jul 15	1515	1,680	6.50				

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	351	110	229	130	108	674	258	224	111	163	256	67
2	226	236	194	126	96	541	230	213	102	111	222	73
3	170	826	176	130	91	439	212	195	102	89	212	82
4	250	570	174	155	89	362	364	179	94	92	259	74
5	372	387	168	252	87	310	318	167	89	80	190	62
6	302	308	177	191	83	267	244	160	404	73	149	54
7	231	258	197	157	80	232	208	150	1740	59	150	49
8	203	223	169	140	76	214	186	146	1080	51	134	47
9	171	198	149	129	73	204	235	133	518	46	114	45
10	230	184	144	256	75	208	262	126	345	46	102	44
11	255	170	153	465	86	274	247	152	270	43	390	42
12	192	151	138	337	98	681	224	134	462	40	365	42
13	160	140	124	265	90	563	194	173	402	41	219	91
14	164	134	199	214	371	405	174	428	315	37	229	65
15	146	127	401	188	510	333	164	233	276	868	275	115
16	140	118	375	165	391	292	172	169	240	734	250	81
17	138	109	299	151	324	606	184	143	204	361	217	63
18	186	102	247	132	272	562	293	154	185	221	167	53
19	141	97	215	116	269	423	281	246	194	157	146	121
20	181	97	245	113	227	361	222	292	163	134	124	312
21	223	102	459	110	199	316	305	278	137	116	106	147
22	177	101	381	118	189	280	637	236	175	107	96	83
23	231	99	303	101	201	247	628	218	134	96	93	62
24	237	108	258	100	250	227	745	396	106	83	107	61
25	192	117	217	105	454	206	556	326	92	76	98	51
26	163	159	193	125	724	200	434	249	86	102	87	52
27	149	616	178	110	672	175	378	204	98	504	78	59
28	139	542	164	105	1050	597	331	176	124	378	76	56
29	128	356	151	95	1000	554	293	155	106	233	70	47
30	121	276	143	90	---	385	256	139	217	268	65	41
31	115	---	137	112	---	306	---	124	---	301	61	---
TOTAL	6084	7021	6757	4983	8235	11444	9235	6318	8571	5710	5107	2241
MEAN	196	234	218	161	284	369	308	204	286	184	165	74.7
MAX	372	826	459	465	1050	681	745	428	1740	868	390	312
MIN	115	97	124	90	73	175	164	124	86	37	61	41
CFSM	1.64	1.95	1.82	1.34	2.37	3.08	2.57	1.70	2.38	1.53	1.37	.62
IN.	1.89	2.18	2.09	1.54	2.55	3.55	2.86	1.96	2.66	1.77	1.58	.69

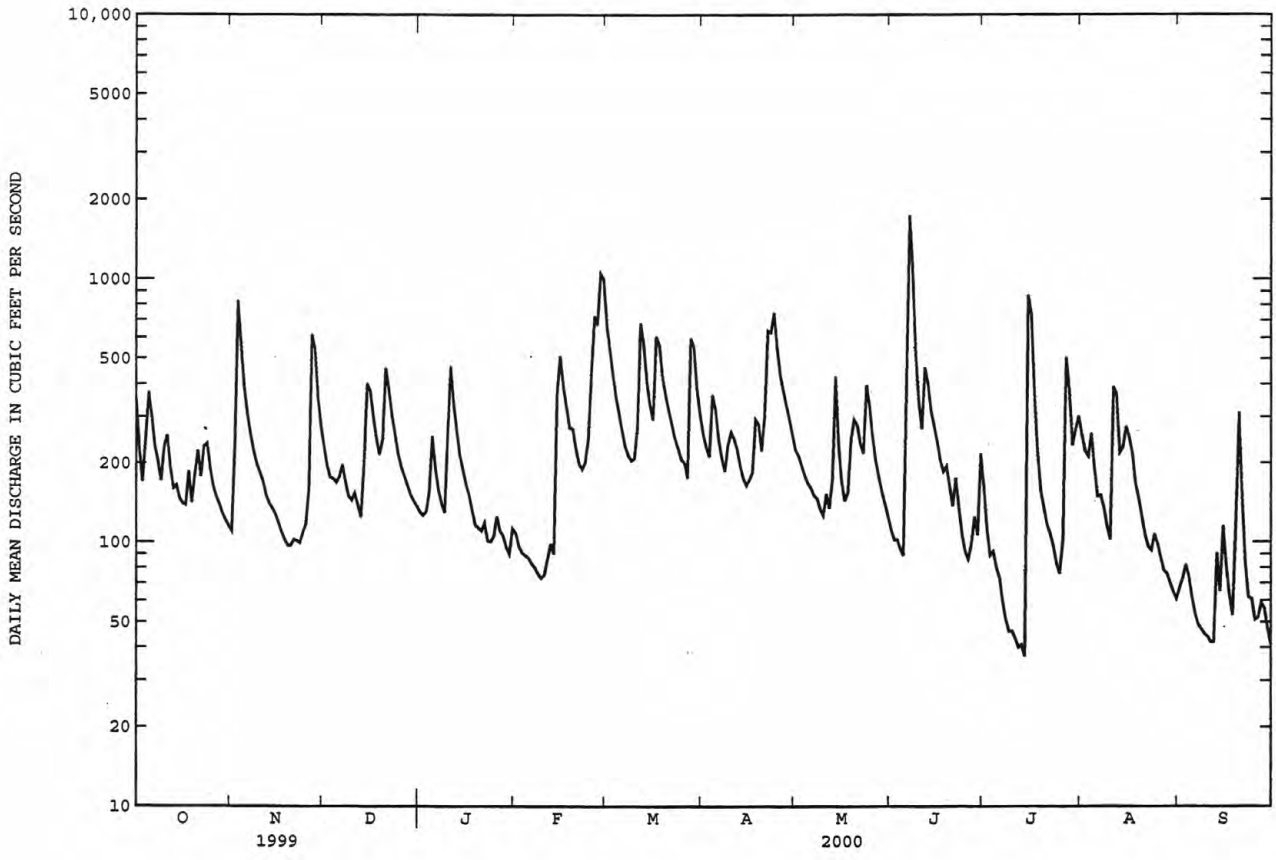
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2000, BY WATER YEAR (WY)

MEAN	143	224	273	268	281	442	401	258	152	99.1	99.3	112
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

01387500 RAMAPO RIVER NEAR MAHWAH, NJ--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1903 - 2000	
ANNUAL TOTAL	84743.1		81706			
ANNUAL MEAN	232		223		229	
HIGHEST ANNUAL MEAN					461	1903
LOWEST ANNUAL MEAN					99.5	1985
HIGHEST DAILY MEAN	8330	Sep 17	1740	Jun 7	8920	Oct 9 1903
LOWEST DAILY MEAN	9.7	Aug 7	37	Jul 14	1.2	Aug 12 1993
ANNUAL SEVEN-DAY MINIMUM	9.9	Aug 3	43	Jul 8	3.7	Sep 7 1995
INSTANTANEOUS PEAK FLOW			1860	Jun 7	15500a	Apr 5 1984
INSTANTANEOUS PEAK STAGE			6.71	Jun 7	13.35	Apr 5 1984
INSTANTANEOUS LOW FLOW			36	Jul 14	.20	Aug 11 1993
ANNUAL RUNOFF (CFSM)	1.93		1.86		1.91	
ANNUAL RUNOFF (INCHES)	26.27		25.33		25.94	
10 PERCENT EXCEEDS	385		404		505	
50 PERCENT EXCEEDS	149		176		138	
90 PERCENT EXCEEDS	13		76		27	

a From rating curve extended above 6,500 ft^3/s.



01413398 BUSH KILL NEAR ARKVILLE, NY

LOCATION.--Lat 42°09'03", long 74°36'06", Delaware County, Hydrologic Unit 02040102, on left bank 60 ft upstream from private bridge, 0.7 mi upstream from mouth, and 2.35 mi east of Margaretville.
DRAINAGE AREA.--46.7 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
REVISED RECORDS.--WDR NY-99-1: 1998(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,380 ft above 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, 2,640 ft^3/s, Sept. 16, 1999, gage height, 8.66 ft, from rating curve extended above 980 ft^3/s; minimum discharge, 3.7 ft^3/s, Sept. 14, 22, 1998, gage height, 3.28 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 7,600 ft^3/s, Jan. 19, 1996, on basis of contracted-opening measurement of peak flow at site 0.2 mi downstream, drainage area, 47.0 mi^2.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0430	*1,440	*7.10	June 7	0300	1,420	7.07
Mar. 28	1000	732	5.92				

Minimum discharge, 15 ft^3/s, Sept. 11, 12; minimum gage height, 3.56 ft, Sept. 12.

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	80	57	105	e41	e28	405	201	120	93	59	34	25
2	66	96	96	e41	e28	341	184	111	89	54	32	25
3	62	244	88	e45	e27	270	222	100	87	53	30	23
4	107	157	89	61	e26	213	313	92	71	58	28	26
5	88	146	83	57	e25	185	272	88	67	46	25	23
6	79	136	92	40	e24	161	244	84	413	41	24	20
7	74	121	80	42	e23	140	224	76	884	42	31	18
8	72	111	70	40	e23	142	207	70	482	38	25	17
9	90	103	66	40	e23	163	252	66	331	34	25	18
10	89	99	67	57	e23	217	209	94	257	34	32	17
11	89	90	67	84	e23	271	185	113	224	30	34	16
12	74	78	61	59	e23	468	191	110	325	27	116	23
13	73	75	59	e54	e30	329	178	157	278	26	72	86
14	108	73	62	e52	e56	267	180	201	268	25	69	32
15	85	68	73	e50	78	230	173	190	209	77	91	42
16	80	64	74	e50	e50	207	178	171	174	137	108	32
17	81	58	64	e48	e46	325	175	157	150	85	81	27
18	78	54	58	e47	e45	229	225	164	148	65	74	26
19	68	53	55	e47	e44	213	201	197	139	55	68	25
20	82	53	60	e46	e43	192	193	197	112	50	60	24
21	75	49	86	e45	e43	172	199	171	104	46	54	22
22	70	48	68	e42	e46	173	250	176	156	43	49	21
23	104	46	e62	e41	52	155	271	201	108	38	51	20
24	84	45	e60	e40	72	141	248	218	93	35	55	21
25	79	44	e56	e39	157	133	228	233	87	33	42	20
26	77	65	e52	e38	249	142	200	206	89	31	37	19
27	72	193	e50	e36	554	120	183	181	84	36	34	19
28	70	123	e50	e34	1040	378	182	167	76	39	32	18
29	67	119	e48	e31	580	270	151	150	81	43	30	16
30	63	112	e46	e30	---	253	133	133	72	44	28	16
31	61	---	e44	e29	---	230	---	108	---	38	26	---
TOTAL	2447	2780	2091	1406	3481	7135	6252	4502	5751	1462	1497	737
MEAN	78.9	92.7	67.5	45.4	120	230	208	145	192	47.2	48.3	24.6
MAX	108	244	105	84	1040	468	313	233	884	137	116	86
MIN	61	44	44	29	23	120	133	66	67	25	24	16
CFSM	1.69	1.98	1.44	.97	2.57	4.93	4.46	3.11	4.10	1.01	1.03	.53
IN.	1.95	2.21	1.67	1.12	2.77	5.68	4.98	3.59	4.58	1.16	1.19	.59

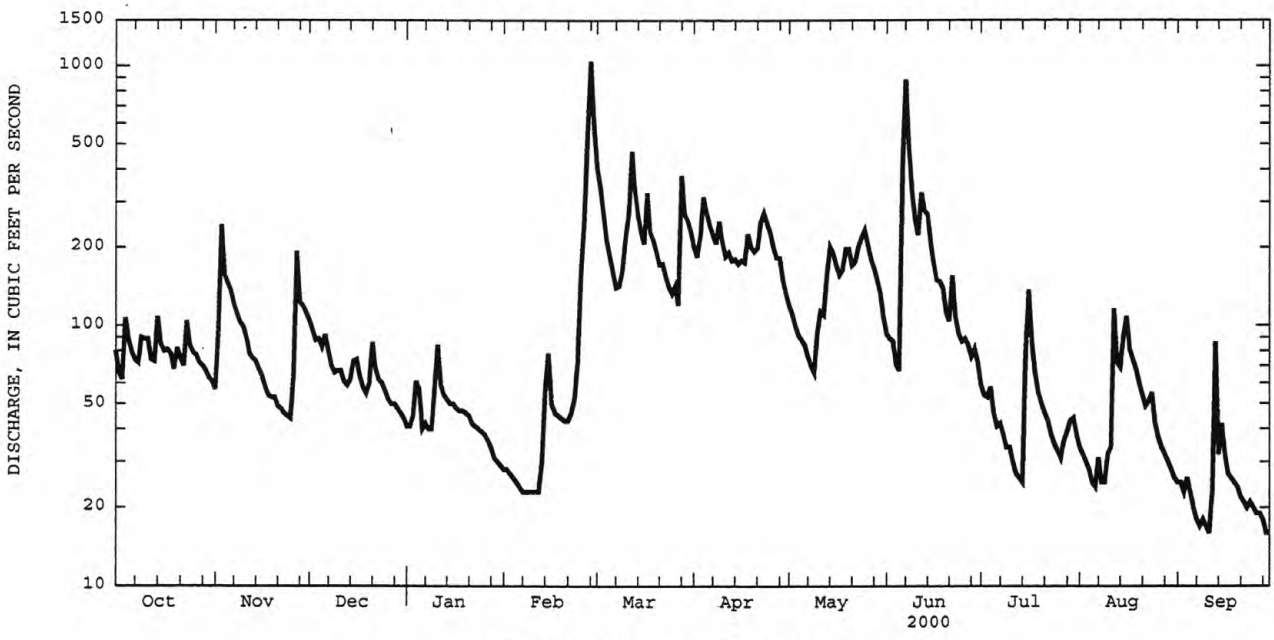
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	33.4	54.9	46.6	139	90.6	183	167	129	131	71.6	23.6	43.4
MAX	78.9	92.7	67.5	214	120	230	208	181	192	92.8	48.3	99.6
(WY)	2000	2000	2000	1998	2000	2000	2000	1998	2000	1999	2000	1999
MIN	9.50	11.1	16.1	45.4	62.7	133	106	59.0	25.7	47.2	9.15	6.02
(WY)	1998	1999	1999	2000	1998	1999	1999	1999	1999	2000	1998	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	30887.7		39541			
ANNUAL MEAN	84.6		108		92.7	
HIGHEST ANNUAL MEAN					108	2000
LOWEST ANNUAL MEAN					67.9	1999
HIGHEST DAILY MEAN	954	Jan 24	1040	Feb 28	1110	Jan 9 1998
LOWEST DAILY MEAN	7.5	Sep 14	16	Sep 11	4.2	Sep 14 1998
ANNUAL SEVEN-DAY MINIMUM	9.5	Aug 30	18	Sep 5	5.3	Sep 9 1998
ANNUAL RUNOFF (CFSM)	1.81		2.31		1.98	
ANNUAL RUNOFF (INCHES)	24.60		31.50		26.96	
10 PERCENT EXCEEDS	158		226		201	
50 PERCENT EXCEEDS	70		72		60	
90 PERCENT EXCEEDS	13		26		10	

e Estimated

01413398 BUSH KILL NEAR ARKVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01413408 DRY BROOK AT ARKVILLE, NY

LOCATION.--Lat 42°08'48", long 74°37'25", Delaware County, Hydrologic Unit 02040102, on left bank 80 ft upstream from bridge on State Route 28, 0.6 mi upstream from mouth, 1.3 mi east of Margaretville, and 4.5 mi west of Fleischmanns.
DRAINAGE AREA.--82.2 mi^2.
PERIOD OF RECORD.--December 1996 to current year. October to December 1996 (maximum only).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,340 ft above 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, 8,880 ft^3/s, Nov. 9, 1996, gage height, 12.01 ft, from crest-stage gage, from rating curve extended above 1,200 ft^3/s; minimum discharge, 9.0 ft^3/s, Aug. 12, 13, 1997, gage height, 1.26 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 12,000 ft^3/s, Jan. 19, 1996, gage height, about 15.5 ft, from floodmarks, on basis of runoff comparison with nearby stations.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0445	a*2,890	*7.51	June 7	0245	a2,460	7.03

a From rating curve extended as explained above.

Minimum discharge, 26 ft^3/s, Feb. 13, result of freezeup, gage height, 1.67 ft.

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	164	112	215	e84	e58	753	332	201	158	125	59	46
2	137	187	195	e80	e56	611	292	183	149	110	54	49
3	127	588	181	e86	e56	451	332	162	142	106	51	44
4	214	345	173	e90	e54	358	589	147	119	109	50	47
5	196	293	158	e110	e50	306	570	138	112	89	44	42
6	176	260	169	92	e49	256	480	132	701	78	42	37
7	163	229	156	91	e48	228	397	119	1500	72	50	34
8	152	204	140	87	e48	234	350	111	805	65	42	32
9	173	185	131	86	e47	305	444	104	539	60	40	33
10	175	171	130	108	e47	544	333	136	380	57	48	33
11	182	161	133	e130	e46	581	292	165	309	52	72	30
12	158	143	121	e110	e46	1080	303	158	673	47	224	41
13	148	134	117	e94	47	766	278	214	555	44	156	177
14	213	126	119	e88	146	584	278	288	515	42	144	76
15	178	119	135	e86	159	464	283	249	426	141	174	86
16	167	112	136	e86	e110	388	297	231	348	287	209	71
17	161	104	124	e84	e98	692	300	208	286	167	164	61
18	156	97	116	e84	e94	478	388	214	270	120	147	55
19	141	93	110	e82	e92	420	322	303	249	100	132	52
20	163	90	116	e80	e90	363	299	313	198	90	114	50
21	153	87	184	e80	e88	315	368	296	180	81	100	46
22	142	82	155	e76	e90	274	536	296	284	76	91	42
23	214	78	e130	e72	e90	243	575	354	196	68	94	41
24	187	76	e120	e70	e120	218	523	425	168	62	100	41
25	171	82	e110	e70	349	204	448	472	164	58	79	39
26	163	114	e110	e70	566	215	381	381	199	55	70	39
27	155	506	e100	e68	1130	186	337	327	186	63	64	39
28	144	329	e100	e66	1960	694	320	282	165	63	59	35
29	135	279	e96	e64	1060	568	262	241	157	72	55	33
30	126	244	e92	e62	---	480	227	206	149	75	51	32
31	118	---	e88	e60	---	396	---	179	---	65	48	---
TOTAL	5052	5630	4160	2596	6894	13655	11136	7235	10282	2699	2827	1483
MEAN	163	188	134	83.7	238	440	371	233	343	87.1	91.2	49.4
MAX	214	588	215	130	1960	1080	589	472	1500	287	224	177
MIN	118	76	88	60	46	186	227	104	112	42	40	30
CFSM	1.98	2.28	1.63	1.02	2.89	5.36	4.52	2.84	4.17	1.06	1.11	.60
IN.	2.29	2.55	1.88	1.17	3.12	6.18	5.04	3.27	4.65	1.22	1.28	.67

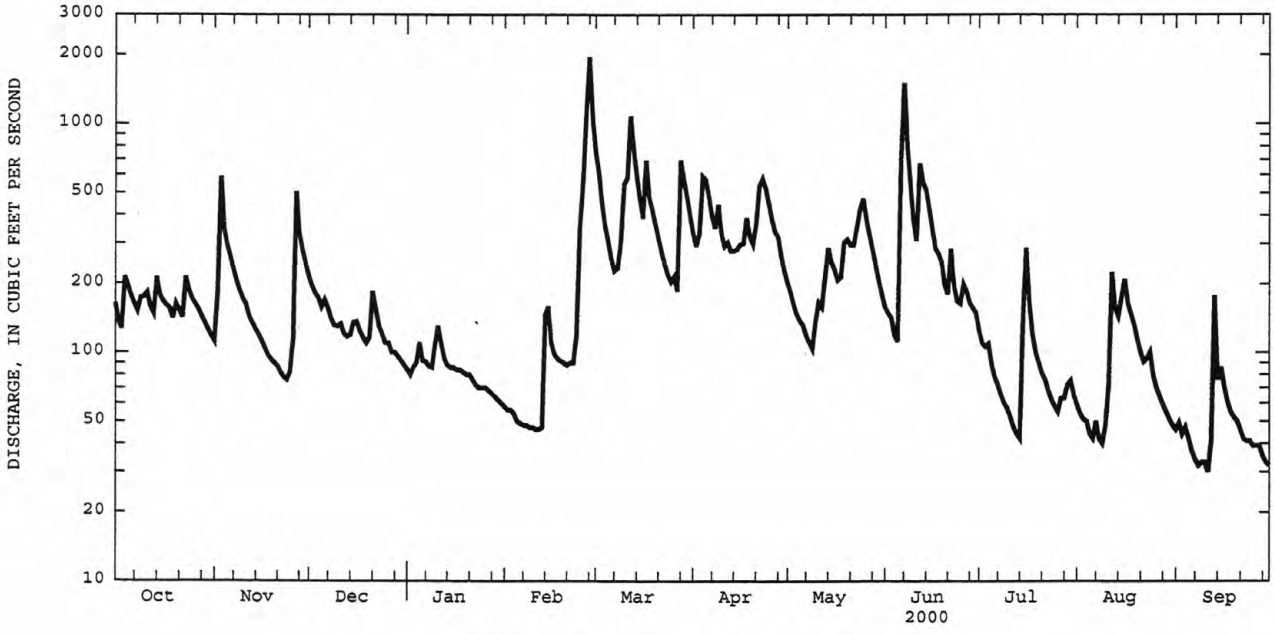
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

MEAN	67.9	125	96.4	257	178	340	327	239	191	94.8	36.9	74.2
MAX	163	188	134	452	238	440	385	332	343	151	91.2	207
(WY)	2000	2000	2000	1998	2000	2000	1997	1998	2000	1998	2000	1999
MIN	16.5	26.3	38.9	83.7	114	242	224	138	54.2	16.9	14.9	13.3
(WY)	1998	1999	1999	2000	1998	1997	1999	1999	1997	1997	1997	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	62728		73649			
ANNUAL MEAN	172		201		181	
HIGHEST ANNUAL MEAN					203	1998
LOWEST ANNUAL MEAN					139	1999
HIGHEST DAILY MEAN	2370	Jan 24	1960	Feb 28	2370	Jan 24 1999
LOWEST DAILY MEAN	12	Sep 5	30	Sep 11	9.3	Aug 12 1997
ANNUAL SEVEN-DAY MINIMUM	14	Aug 31	34	Sep 6	10	Oct 1 1998
ANNUAL RUNOFF (CFSM)	2.09		2.45		2.20	
ANNUAL RUNOFF (INCHES)	28.39		33.33		29.91	
10 PERCENT EXCEEDS	326		431		392	
50 PERCENT EXCEEDS	133		139		112	
90 PERCENT EXCEEDS	22		48		16	

e Estimated

01413408 DRY BROOK AT ARKVILLE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01413500 EAST BRANCH DELAWARE RIVER AT MARGARETVILLE, NY

LOCATION.--Lat 42°08'41", long 74°39'14", Delaware County, Hydrologic Unit 02040102, on right bank at downstream side of bridge on Fair Street at intersection with Main Street at Margaretville, 0.2 mi upstream from unnamed tributary, and 1.6 mi downstream from Dry Brook.
DRAINAGE AREA.--163 mi^2.
PERIOD OF RECORD.--February 1937 to current year.
REVISED RECORDS.--WDR NY-87-1: 1948(M), 1951(P), 1953(M), 1955-56(M), 1974-75(M), 1977(M), 1978(P), 1980-81(M), 1986(M).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,302.38 ft above 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 ft^3/s, Jan. 19, 1996, gage height, 14.88 ft, from floodmark in gage well, 16.5 ft from outside floodmarks, from rating curve extended above 16,000 ft^3/s on basis of runoff comparison of peak flow from slope-area measurement at site 1.7 mi downstream; minimum discharge, 5.0 ft^3/s, Aug. 5, 1964; minimum gage height, 0.89 ft, Sept. 30, Oct. 1, 1943, present datum.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0700	*5,030	*8.86	June 7	0345	3,680	7.82

Minimum discharge, 47 ft^3/s, Sept. 11, 12, gage height, 2.51 ft.

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	332	215	423	172	e110	1350	619	397	321	232	96	73
2	264	249	382	169	e110	1110	554	366	303	208	87	77
3	240	714	358	183	e110	848	685	328	341	187	80	72
4	365	467	356	247	e100	696	1150	297	256	209	78	75
5	358	414	332	297	e100	608	1130	278	238	172	70	70
6	312	378	344	211	e95	518	934	270	998	150	65	62
7	289	345	323	211	e95	467	777	244	2510	136	83	58
8	268	318	286	203	e95	478	684	227	1340	125	74	54
9	309	295	267	198	e95	559	912	213	919	116	69	53
10	316	278	264	230	98	865	707	272	695	111	85	54
11	337	275	278	362	e100	977	628	373	571	101	115	49
12	291	246	251	276	e100	1810	647	346	1090	91	322	65
13	273	231	240	e230	e110	1250	595	489	886	85	277	305
14	401	218	243	208	227	988	586	739	888	81	234	148
15	351	208	281	e200	383	811	570	606	745	195	289	181
16	321	199	296	e200	275	698	576	535	636	394	320	147
17	310	187	265	e190	246	1160	581	464	543	261	264	121
18	300	175	243	e180	e230	824	754	514	521	191	232	106
19	275	169	227	e180	e220	748	632	661	525	157	212	98
20	308	164	230	e180	216	665	582	615	408	140	186	97
21	297	160	338	e180	203	587	685	571	364	126	163	88
22	270	150	289	e170	211	524	926	620	565	118	146	78
23	395	145	266	e160	218	468	959	682	398	106	148	74
24	352	141	e240	e160	302	428	883	760	343	99	170	74
25	320	149	e230	e150	579	403	773	854	320	91	132	71
26	304	214	e220	e150	946	442	682	726	360	85	117	67
27	289	821	e210	e150	1950	380	624	634	342	99	106	67
28	272	614	e200	e140	3830	1130	606	555	302	101	98	62
29	257	537	e200	e130	2020	956	507	484	277	120	89	58
30	241	477	198	e120	---	838	442	420	268	125	83	55
31	227	---	188	e110	---	720	---	364	---	108	79	---
TOTAL	9444	9153	8468	5947	13374	24306	21390	14904	18273	4520	4569	2659
MEAN	305	305	273	192	461	784	713	481	609	146	147	88.6
MAX	401	821	423	362	3830	1810	1150	854	2510	394	322	305
MIN	227	141	188	110	95	380	442	213	238	81	65	49
CFSM	1.87	1.87	1.68	1.18	2.83	4.81	4.37	2.95	3.74	.89	.90	.54
IN.	2.16	2.09	1.93	1.36	3.05	5.55	4.88	3.40	4.17	1.03	1.04	.61

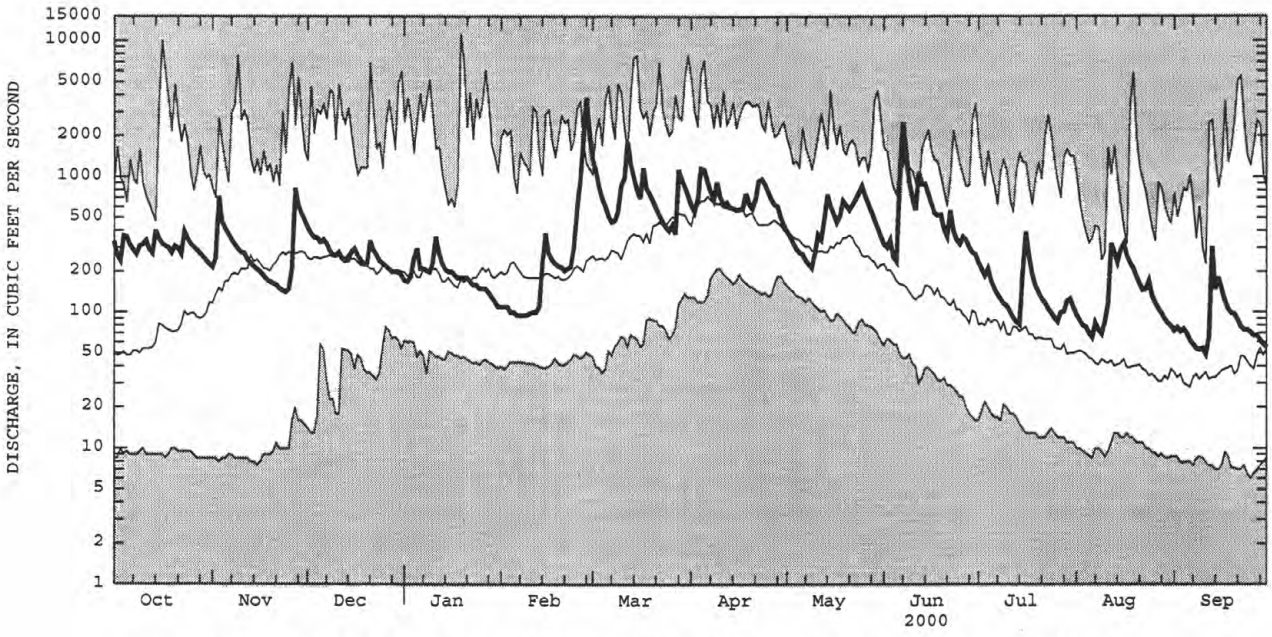
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	177	315	363	333	324	557	.723	411	210	122	78.1	105
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	129	42.9	17.2	13.6	8.52
(WY)	1965	1965	1999	1961	1980	1965	1946	1987	1965	1965	1993	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	111633		137007			
ANNUAL MEAN	306		374		309	
HIGHEST ANNUAL MEAN					489	1978
LOWEST ANNUAL MEAN					138	1965
HIGHEST DAILY MEAN	3810	Jan 24	3830	Feb 28	11300	Jan 19 1996
LOWEST DAILY MEAN	20	Sep 5	49	Sep 11	6.0	Sep 25 1964
ANNUAL SEVEN-DAY MINIMUM	25	Aug 31	56	Sep 6	6.8	Sep 21 1964
ANNUAL RUNOFF (CFSM)	1.88		2.30		1.89	
ANNUAL RUNOFF (INCHES)	25.48		31.27		25.72	
10 PERCENT EXCEEDS	582		764		702	
50 PERCENT EXCEEDS	245		270		170	
90 PERCENT EXCEEDS	39		89		29	

e Estimated

01413500 EAST BRANCH DELAWARE RIVER AT MARGARETVILLE, NY--Continued



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

01414000 PLATTE KILL AT DUNRAVEN, NY

LOCATION.--Lat 42°07'59", long 74°41'45", Delaware County, Hydrologic Unit 02040102, on right bank 200 ft upstream from bridge on Route 28 in Dunraven, 2.5 mi southeast of Margaretville.
DRAINAGE AREA.--34.9 mi^2.
PERIOD OF RECORD.--October 1941 to September 1962, December 1996 to current year. Water year 1996 (annual maximum only), November 1996 (maximum only).
REVISED RECORDS.--WDR NY-97-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,294.68 ft above 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 ft^3/s, Jan. 19, 1996, gage height, 9.60 ft, from floodmark, present site and datum (11.20 ft, from floodmark in gage well, site and datum then in use), from rating curve extended above 500 ft^3/s on basis of contracted-opening measurement of peak flow; minimum discharge, 0.60 ft^3/s, Sept. 10, 1997; minimum gage height, 1.86 ft, Aug. 25, 27, 1962, site and datum then in use; minimum gage height since December 1996, 2.20 ft, Sept. 10, 1997.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0245	a*1,210	*5.94	No other peak greater than base discharge.			

a From rating curve extended as explained above.

Minimum discharge, 7.9 ft^3/s, Sept. 29; minimum gage height, 2.68 ft, Sept. 8, 9, 11, 12.

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	52	34	91	e30	e19	254	123	69	54	25	16	11
2	42	43	78	29	e18	205	111	63	51	22	13	13
3	38	72	70	29	e18	156	166	54	47	25	11	11
4	69	48	70	e54	e17	134	313	46	37	28	10	12
5	53	44	59	e52	e16	116	288	43	35	20	9.5	11
6	48	42	67	e50	e18	97	219	43	106	17	9.3	9.7
7	43	41	57	46	e18	89	166	37	153	16	17	9.1
8	40	38	51	e44	e17	99	150	33	98	15	11	8.7
9	52	37	47	42	e16	133	225	31	85	14	11	9.0
10	55	36	50	56	e16	196	159	65	70	14	18	9.2
11	60	38	51	75	e16	244	144	88	64	13	34	8.5
12	50	33	44	55	e19	370	149	104	176	12	67	14
13	48	31	42	e50	e15	270	136	139	150	11	41	80
14	83	30	44	e46	e51	199	130	178	139	10	40	21
15	65	30	59	e40	e50	160	126	149	123	26	46	60
16	61	29	59	e35	e38	141	127	125	103	44	49	34
17	58	27	51	e33	e38	226	129	102	84	21	35	28
18	54	26	47	e31	e38	170	158	109	91	15	30	23
19	48	27	47	e29	e41	150	131	143	81	13	27	20
20	57	27	46	e27	e43	131	124	131	58	12	24	19
21	49	26	58	e26	e39	115	168	124	60	11	21	16
22	46	24	47	e25	e37	99	190	128	92	11	19	15
23	74	24	e45	e23	e35	85	202	141	59	10	28	13
24	60	24	e43	e23	e54	75	179	207	52	9.7	28	14
25	56	28	e41	e23	122	72	155	215	48	9.3	19	12
26	53	49	e39	e30	191	80	136	177	48	9.0	17	12
27	50	197	e36	e22	397	63	126	146	41	13	16	12
28	46	158	e34	e21	690	230	116	122	36	14	15	11
29	43	134	e33	e20	366	189	95	99	32	19	14	9.7
30	39	113	e32	e20	---	168	79	78	30	17	13	9.8
31	37	---	e31	e19	---	144	---	64	---	15	12	---
TOTAL	1629	1510	1569	1105	2453	4860	4720	3253	2303	511.0	720.8	535.7
MEAN	52.5	50.3	50.6	35.6	84.6	157	157	105	76.8	16.5	23.3	17.9
MAX	83	197	91	75	690	370	313	215	176	44	67	80
MIN	37	24	31	19	15	63	79	31	30	9.0	9.3	8.5
CFSM	1.51	1.44	1.45	1.02	2.42	4.49	4.51	3.01	2.20	.47	.67	.51
IN.	1.74	1.61	1.67	1.18	2.61	5.18	5.03	3.47	2.45	.54	.77	.57

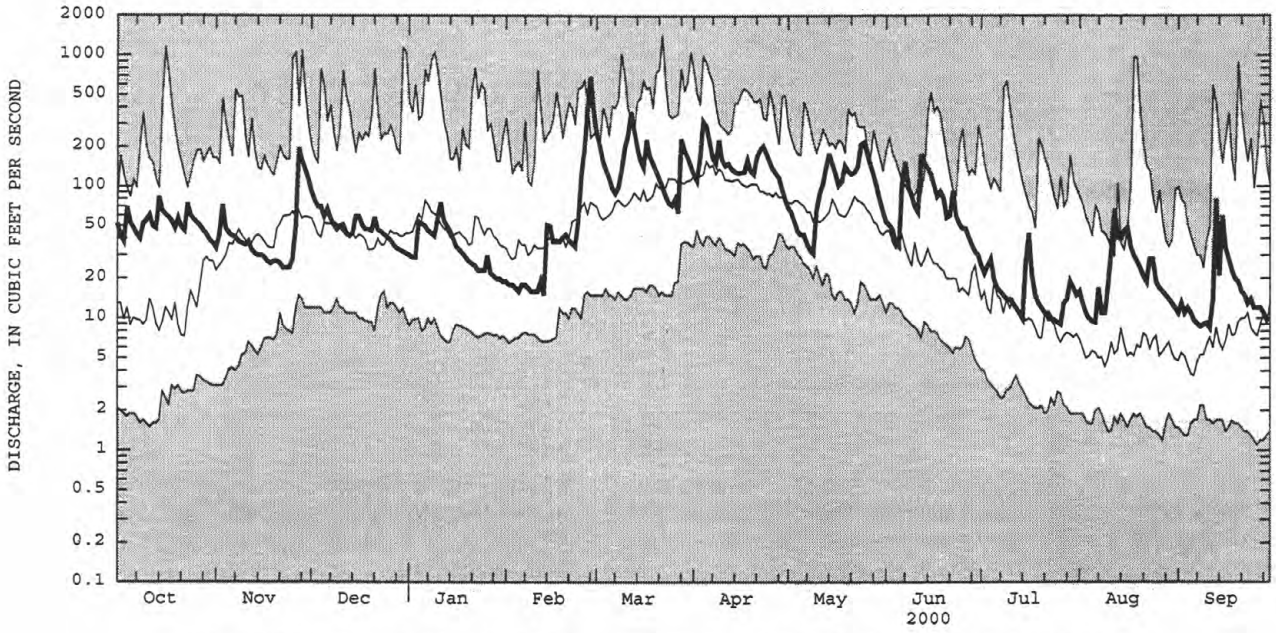
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2000, BY WATER YEAR (WY)

MEAN	32.6	65.5	70.2	77.3	67.7	126	145	82.3	42.7	22.9	15.4	21.7
MAX	175	154	137	224	126	246	323	164	140	118	111	134
(WY)	1956	1960	1958	1998	1951	1948	1958	1947	1998	1998	1955	1960
MIN	3.86	7.98	15.7	9.28	23.1	50.8	37.3	30.1	11.5	3.13	2.91	2.14
(WY)	1962	1999	1999	1961	1958	1958	1946	1955	1959	1959	1949	1943

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1942 - 2000	
ANNUAL TOTAL	19626.6		25169.5			
ANNUAL MEAN	53.8		68.8		64.4	
HIGHEST ANNUAL MEAN					90.7	1960
LOWEST ANNUAL MEAN					42.4	1962
HIGHEST DAILY MEAN	518	Jan 24	690	Feb 28	1430	Mar 22 1948
LOWEST DAILY MEAN	2.7	Sep 5	8.5	Sep 11	1.1	Sep 26 1943
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug 31	9.3	Sep 5	1.2	Sep 23 1943
ANNUAL RUNOFF (CFSM)	1.54		1.97		1.85	
ANNUAL RUNOFF (INCHES)	20.92		26.83		25.08	
10 PERCENT EXCEEDS	112		157		147	
50 PERCENT EXCEEDS	45		46		36	
90 PERCENT EXCEEDS	4.7		13		4.5	

e Estimated

01414000 PLATTE KILL AT DUNRAVEN, NY--Continued



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

01414500 MILL BROOK NEAR DUNRAVEN, NY

LOCATION.--Lat 42°06'22", long 74°43'51", Delaware County, Hydrologic Unit 02040102, on left bank 0.4 mi upstream from bridge on New York City Road 9 and Pepacton Reservoir, and 2.7 mi southwest of Dunraven.
DRAINAGE AREA.--25.2 mi^2.
PERIOD OF RECORD.--February 1937 to current year. Published as "at Arena" 1937-67.
REVISED RECORDS.--WSP 1432: 1937. WDR NY-82-1: Drainage area. WDR NY-84-1: 1979-83.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,298.54 ft Board of Water Supply, City of New York datum. Prior to Oct. 17, 1939, nonrecording gage at site 0.2 mi downstream at different datum. Oct. 17 to Dec. 8, 1939, nonrecording gage at present site at different datum.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,380 ft^3/s, Jan. 19, 1996, gage height, 12.56 ft, from rating curve extended above 2,740 ft^3/s on basis of flow-through-culvert measurement of peak flow; minimum discharge observed, 1.2 ft^3/s, Sept. 25, 26, 1939.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 740 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0400	*770	*6.62	No other peak greater than base discharge.			

Minimum discharge, 6.8 ft^3/s, Sept. 12, gage height, 3.19 ft.

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	61	39	85	30	e19	191	100	50	52	59	24	12
2	52	67	80	30	e20	158	88	45	50	49	22	15
3	47	144	73	30	e20	122	91	39	44	49	20	13
4	82	101	67	34	e19	99	186	35	37	44	19	12
5	76	87	57	36	e19	85	183	38	35	39	17	11
6	69	78	58	31	e18	72	149	36	149	32	16	10
7	60	70	54	31	e19	65	124	32	327	29	17	9.1
8	55	63	49	29	e18	69	112	30	172	26	15	8.5
9	58	57	46	30	e18	104	141	28	123	24	12	9.2
10	61	54	46	39	e19	175	111	37	95	22	13	8.8
11	64	52	46	51	e20	183	101	44	79	19	43	7.7
12	57	46	42	43	20	327	106	52	155	17	50	13
13	54	43	40	41	21	207	95	64	134	16	39	76
14	77	40	41	e33	189	165	94	94	127	15	39	34
15	67	37	47	e32	e60	132	101	83	111	67	43	45
16	62	35	48	e30	e45	115	107	74	95	134	44	36
17	58	32	44	e28	e38	187	106	64	81	90	34	30
18	55	30	42	e28	e39	143	130	66	77	61	36	27
19	50	29	40	e27	e37	126	116	97	71	47	34	24
20	59	29	43	e27	e34	109	107	117	58	40	28	22
21	55	28	66	e25	e31	97	120	117	60	34	25	19
22	53	26	58	e25	e33	87	150	114	107	31	22	17
23	74	25	55	e24	e33	78	163	128	87	28	30	16
24	69	26	e50	e24	e45	70	149	153	74	25	31	16
25	64	28	e44	e25	144	66	131	155	76	23	26	15
26	61	48	e43	e22	201	66	114	130	115	21	20	14
27	57	238	e42	e22	351	59	101	110	106	26	16	14
28	53	160	e39	e22	494	196	90	93	93	23	16	12
29	49	121	e37	e20	265	169	77	79	83	30	15	11
30	45	99	e35	e20	---	140	58	69	73	31	14	10
31	42	---	32	e19	---	117	---	60	---	27	13	---
TOTAL	1846	1932	1549	908	2289	3979	3501	2333	2946	1178	793	567.3
MEAN	59.5	64.4	50.0	29.3	78.9	128	117	75.3	98.2	38.0	25.6	18.9
MAX	82	238	85	51	494	327	186	155	327	134	50	76
MIN	42	25	32	19	18	59	58	28	35	15	12	7.7
CFSM	2.36	2.56	1.98	1.16	3.13	5.09	4.63	2.99	3.90	1.51	1.02	.75
IN.	2.73	2.85	2.29	1.34	3.38	5.87	5.17	3.44	4.35	1.74	1.17	.84

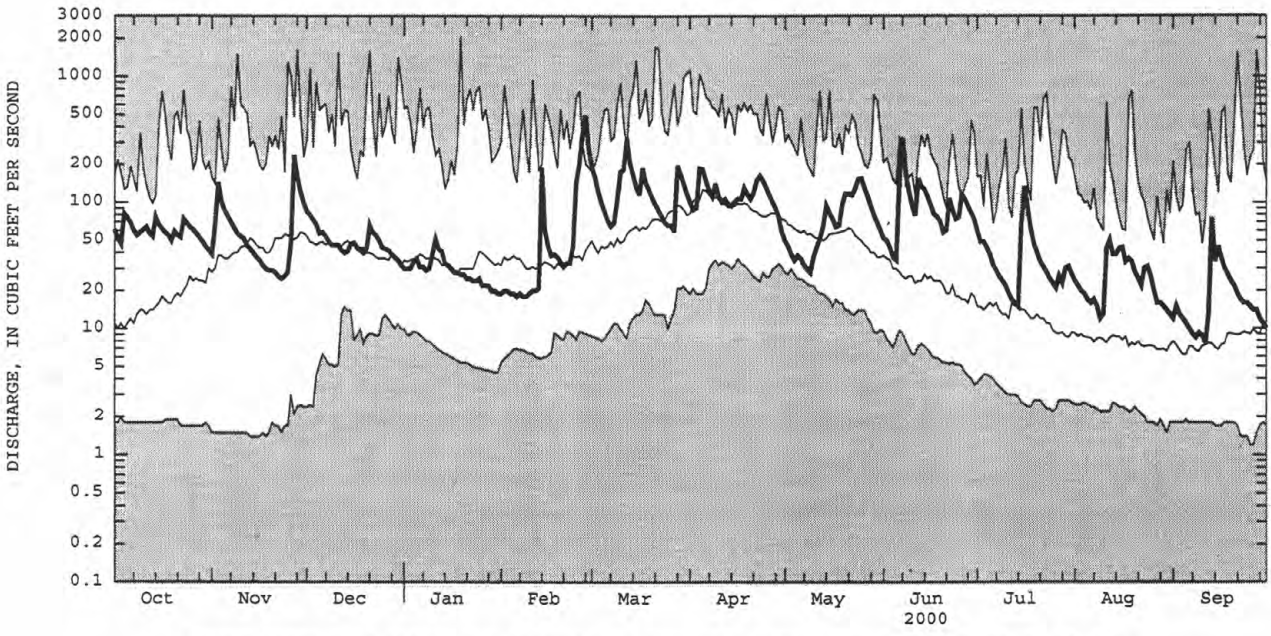
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	34.0	64.1	66.8	55.9	56.0	94.4	126	71.8	36.0	22.8	14.9	20.7
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	23.5	7.49	3.29	2.47	1.77
(WY)	1965	1965	1944	1981	1987	1965	1946	1995	1962	1993	1993	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	20808.3		23821.3			
ANNUAL MEAN	57.0		65.1		55.1	
HIGHEST ANNUAL MEAN					83.3	1960
LOWEST ANNUAL MEAN					28.1	1965
HIGHEST DAILY MEAN	764	Jan 24	494	Feb 28	2080	Jan 19 1996
LOWEST DAILY MEAN	3.0	Sep 5	7.7	Sep 11	1.2	Sep 25 1939
ANNUAL SEVEN-DAY MINIMUM	3.6	Aug 31	9.2	Sep 5	1.4	Nov 12 1964
ANNUAL RUNOFF (CFSM)	2.26		2.58		2.19	
ANNUAL RUNOFF (INCHES)	30.72		35.16		29.71	
10 PERCENT EXCEEDS	108		133		120	
50 PERCENT EXCEEDS	45		47		32	
90 PERCENT EXCEEDS	5.3		18		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 mi^2.
PERIOD OF RECORD.--February 1937 to current year. Published as "near Shavertown" 1937-67.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Concrete control since Nov. 1937. Datum of gage is 1,285.87 ft above 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 and those for November 26 to December 2, February 28 to March 23, and April 4 to July 19, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,000 ft^3/s, Jan. 19, 1996, gage height, 7.69 ft, from floodmark in gage well, from rating curve extended above 2,900 ft^3/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 0.7 mi upstream; maximum gage height, 7.92 ft, Jan. 26, 1976 (ice jam); minimum discharge, 0.5 ft^3/s, Sept. 17, 21, 22, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0430	*872	a*4.70	No other peak greater than base discharge.			

a Recorded; outside gage height was 5.19 ft, from crest-stage gage.

Minimum discharge, 3.4 ft^3/s, Dec. 24, result of freezeup, gage height, 2.29 ft.

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	61	32	94	e30	e25	222	91	58	43	28	13	8.1
2	49	38	89	e29	e26	116	78	54	38	23	12	10
3	44	67	79	34	e27	75	121	46	35	27	11	9.1
4	64	48	79	e40	e26	73	174	40	28	34	10	10
5	56	44	71	e50	e25	69	101	37	25	24	8.7	8.8
6	49	44	74	e45	e24	68	94	39	60	21	8.4	7.7
7	45	42	65	e42	e25	74	125	33	102	19	16	6.8
8	43	40	59	41	e24	101	119	31	59	17	12	6.3
9	50	38	55	45	e24	144	148	29	52	16	10	6.7
10	56	37	55	61	e25	201	121	78	46	16	15	6.8
11	62	40	57	80	e26	209	116	108	48	14	12	6.2
12	52	35	50	59	e27	258	106	113	194	13	34	12
13	48	33	48	e48	e30	175	98	157	184	12	27	81
14	76	32	51	e45	e45	138	93	214	168	12	22	26
15	61	31	67	e42	e90	114	90	152	136	49	26	56
16	58	31	70	e40	e60	106	96	121	113	75	28	35
17	56	29	63	e38	e54	153	97	95	91	39	20	27
18	52	28	60	e37	e52	118	131	93	96	27	17	23
19	47	28	56	e36	e50	116	111	130	98	22	16	20
20	54	29	57	e35	e45	101	104	124	69	19	14	19
21	49	28	72	e33	e43	89	131	109	68	18	13	17
22	44	26	60	e33	e45	85	157	111	106	17	12	15
23	57	26	e50	e32	e50	75	172	130	69	14	18	14
24	51	26	42	e31	e60	69	160	205	59	13	22	14
25	47	30	e50	e33	127	65	139	208	54	13	15	14
26	44	60	e45	e30	125	69	123	165	54	12	12	13
27	43	127	e41	e29	252	56	112	132	48	17	11	13
28	41	133	e38	e29	676	199	106	108	43	20	10	12
29	38	111	e35	e27	386	158	85	81	36	15	9.8	11
30	36	99	e33	e26	---	138	68	65	32	15	9.3	10
31	34	---	e31	e25	---	114	---	52	---	14	8.8	---
TOTAL	1567	1412	1796	1205	2494	3748	3467	3118	2254	675	473.0	518.5
MEAN	50.5	47.1	57.9	38.9	86.0	121	116	101	75.1	21.8	15.3	17.3
MAX	76	133	94	80	676	258	174	214	194	75	34	81
MIN	34	26	31	25	24	56	68	29	25	12	8.4	6.2
CFSM	1.52	1.42	1.75	1.17	2.59	3.64	3.48	3.03	2.26	.66	.46	.52
IN.	1.76	1.58	2.01	1.35	2.79	4.20	3.88	3.49	2.53	.76	.53	.58

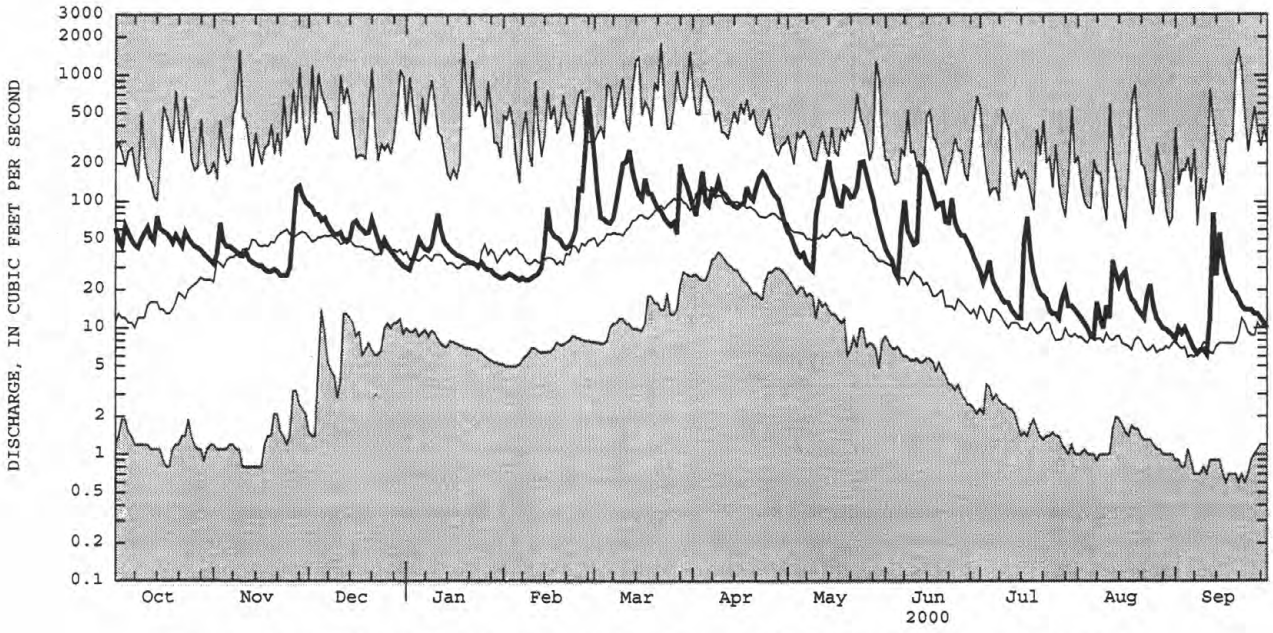
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	35.1	63.3	71.2	64.2	65.5	111	126	71.3	36.6	21.0	16.5	24.3
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	18384.5		22727.5			
ANNUAL MEAN	50.4		62.1		58.7	
HIGHEST ANNUAL MEAN					89.6	1960
LOWEST ANNUAL MEAN					26.6	1965
HIGHEST DAILY MEAN	600	Jan 24	676	Feb 28	1830	Mar 22 1948
LOWEST DAILY MEAN	1.4	Sep 5	6.2	Sep 11	.60	Sep 17 1964
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 31	7.0	Sep 5	.66	Sep 17 1964
ANNUAL RUNOFF (CFSM)	1.52		1.87		1.77	
ANNUAL RUNOFF (INCHES)	20.60		25.47		24.03	
10 PERCENT EXCEEDS	105		128		135	
50 PERCENT EXCEEDS	43		45		33	
90 PERCENT EXCEEDS	3.7		13		5.3	

e Estimated

01415000 TREMPER KILL NEAR ANDES, NY--Continued



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

01417000 EAST BRANCH DELAWARE RIVER AT DOWNSVILLE, NY

LOCATION.--Lat 42°04'30", long 74°58'36", Delaware County, Hydrologic Unit 02040102, on left bank 0.5 mi downstream from Downsville Dam, at downstream end of outlet channel of Pepacton Reservoir, and 1.0 mi east of Downsville.
DRAINAGE AREA.--372 mi^2.
PERIOD OF RECORD.--July 1941 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,094.92 ft above 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 ft^3/s, Nov. 26, 1950, gage height, 14.52 ft, site and datum then in use, from rating curve extended above 12,000 ft^3/s; minimum discharge, 0.3 ft^3/s, Oct. 11, 1954; minimum gage height, 1.39 ft, Jan. 17, 1964.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 9, 1903, reached a stage of about 16 ft (at former site and datum).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,700 ft^3/s, June 7, gage height, 5.00 ft; minimum, 15 ft^3/s, Apr. 10, gage height, 2.31 ft.

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

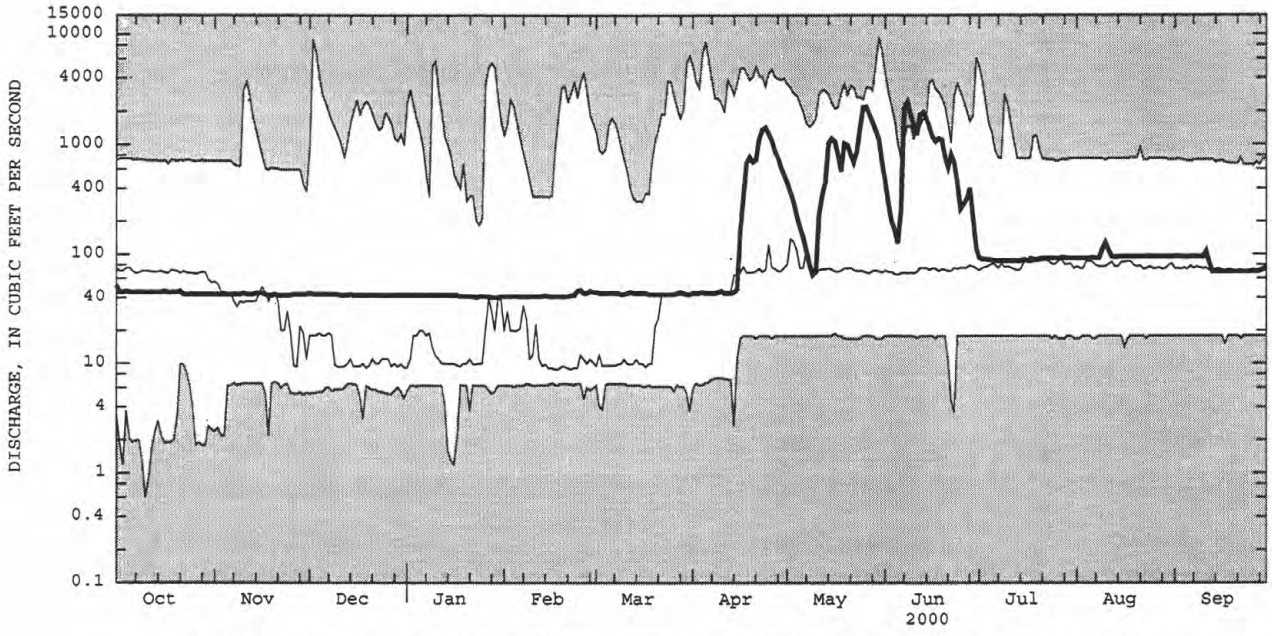
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	43	44	42	41	45	44	450	469	93	92	95
2	45	43	43	42	41	44	44	370	294	90	92	95
3	45	43	43	42	41	44	44	304	202	90	92	95
4	46	43	43	42	41	44	45	226	167	89	92	95
5	45	43	43	42	41	44	44	177	126	88	92	95
6	45	43	43	42	41	44	44	144	252	87	93	95
7	45	43	43	42	41	44	44	108	2130	87	92	95
8	45	43	43	42	41	44	44	81	2410	87	92	95
9	45	43	43	42	41	43	45	65	1870	87	111	95
10	45	44	43	42	41	43	46	69	1480	87	127	95
11	45	43	42	42	41	44	44	232	1230	87	109	106
12	45	43	42	42	41	45	44	344	1860	87	95	83
13	45	43	42	42	41	44	44	463	1950	87	94	69
14	45	44	43	42	42	44	45	1030	1730	87	95	69
15	45	44	42	42	41	44	48	1130	1430	89	95	69
16	46	44	42	42	41	44	162	1070	1180	88	95	69
17	45	43	42	42	41	44	337	814	1070	87	95	69
18	45	42	42	41	41	43	681	574	1130	88	95	69
19	45	42	42	41	41	43	766	1020	1100	88	95	69
20	45	43	42	41	41	43	697	990	775	91	95	69
21	46	42	42	41	41	43	729	820	622	92	95	69
22	43	42	42	41	42	43	1120	690	809	92	95	69
23	43	42	42	40	42	43	1360	858	687	92	95	69
24	43	42	42	41	46	43	1420	1400	446	92	95	69
25	43	42	42	41	47	43	1260	2170	259	92	95	69
26	43	43	42	41	44	43	1090	2190	287	92	95	70
27	43	43	42	41	44	44	876	1880	320	93	95	69
28	43	43	42	40	46	45	765	1590	401	93	95	70
29	43	43	42	40	45	44	622	1340	216	92	95	73
30	43	43	42	40	---	43	532	1120	114	92	95	76
31	43	---	42	41	---	43	---	689	---	92	95	---
TOTAL	1385	1287	1314	1284	1218	1354	13086	24408	27016	2778	2983	2394
MEAN	44.7	42.9	42.4	41.4	42.0	43.7	436	787	901	89.6	96.2	79.8
MAX	52	44	44	42	47	45	1420	2190	2410	93	127	106
MIN	43	42	42	40	41	43	44	65	114	87	92	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)

MEAN	168	129	94.2	86.6	85.6	122	533	398	206	173	172	188
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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	20566.2		80507			
ANNUAL MEAN	56.3		220		196	
HIGHEST ANNUAL MEAN					507	1956
LOWEST ANNUAL MEAN					57.1	1999
HIGHEST DAILY MEAN	144	Jul 5	2410	Jun 8	9340	May 30 1984
LOWEST DAILY MEAN	6.8	Jan 16	40	Jan 23	.60	Oct 10 1954
ANNUAL SEVEN-DAY MINIMUM	7.2	Feb 13	41	Jan 23	1.5	Oct 6 1954
10 PERCENT EXCEEDS	90		769		586	
50 PERCENT EXCEEDS	44		45		54	
90 PERCENT EXCEEDS	17		42		7.4	

01417000 EAST BRANCH DELAWARE RIVER AT DOWNSVILLE, NY--Continued



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

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY

LOCATION.--Lat 42°01'29", long 75°07'13", Delaware County, Hydrologic Unit 02040102, on right bank 800 ft downstream from Baxter Brook, and 1,100 ft downstream from highway bridge at Harvard. Water-quality sampling site at discharge station.
DRAINAGE AREA.--458 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1934 to June 1967, November 1977 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area. WDR NY-84-1: 1978-81(M).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,007.41 ft above 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 mi^2 of drainage area controlled by Pepacton Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation re- leases and spill) impounded for release during periods of low flow in the lower Delaware River Basin, as directed by the Delaware River Master. Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,400 ft^3/s, Sept. 22, 1938, gage height, 16.93 ft, site and datum then in use, from rating curve extended above 10,000 ft^3/s, on basis of slope-area measurement at gage height 15.58 ft; minimum discharge, 7.2 ft^3/s, Oct. 13, 1954, gage height, 1.63 ft, site and datum then in use.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,490 ft^3/s, May 25, gage height, 7.11 ft; minimum, about 68 ft^3/s, Feb. 13, result of freezeup, gage height, 2.30 ft.

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	270	e160	e500	188	e170	847	326	778	785	e370	134	115
2	199	e250	e400	185	e160	645	276	692	601	e330	130	118
3	174	e300	e330	188	e160	496	328	597	424	e310	128	116
4	227	e270	e290	205	e150	397	752	477	339	e340	124	125
5	234	e260	e260	195	e160	334	871	374	271	e250	118	116
6	203	e250	e270	185	e170	279	690	312	303	e180	118	109
7	182	e240	e210	193	e160	257	523	246	1650	173	126	106
8	165	e230	e190	194	e160	314	427	199	2410	163	121	104
9	187	e220	e190	190	e170	513	583	169	2000	155	119	130
10	203	e210	185	195	e170	779	480	267	1620	151	166	128
11	258	e210	185	189	e170	755	436	582	1350	144	154	122
12	234	e200	184	177	e160	1310	412	824	1820	138	320	144
13	221	e190	181	e170	e180	986	368	1070	2160	134	359	669
14	270	e180	186	e170	e230	701	346	1640	2020	130	276	400
15	247	e170	188	e180	e180	536	333	1630	1720	161	298	388
16	222	e170	189	e150	e160	434	392	1480	1450	200	259	e300
17	208	e160	184	e140	e170	588	562	1240	1230	155	226	e240
18	193	e150	184	e150	184	499	967	960	1280	141	200	e220
19	174	e150	176	e160	186	451	1180	1350	1350	135	185	197
20	174	e150	175	e160	181	385	1090	1510	1040	130	168	181
21	e200	e150	219	e150	184	323	1080	1400	856	128	156	165
22	e180	e150	196	e140	183	271	1520	1240	1140	127	147	152
23	e220	e140	e170	e150	e250	228	1860	1400	1060	123	158	140
24	e210	e140	e150	e160	e500	198	1960	2450	855	120	183	135
25	e200	e150	e130	e160	e1000	180	1740	3310	631	119	149	130
26	e200	348	e140	e150	e1500	183	1490	3060	e660	118	138	128
27	e190	1470	e140	e150	e900	158	1250	2510	e700	131	132	125
28	e180	e1000	e150	e140	e1300	447	1110	2050	735	174	127	117
29	e180	e800	e160	e150	e1100	524	965	1690	e600	155	123	110
30	e170	e600	e170	e160	---	476	867	1410	e450	141	119	109
31	e160	---	179	e160	---	399	---	1020	---	141	116	---
TOTAL	6335	9068	6461	5234	10348	14893	25184	37937	33510	5367	5277	5339
MEAN	204	302	208	169	357	480	839	1224	1117	173	170	178
MAX	270	1470	500	205	1500	1310	1960	3310	2410	370	359	669
MIN	160	140	130	140	150	158	276	169	271	118	116	104

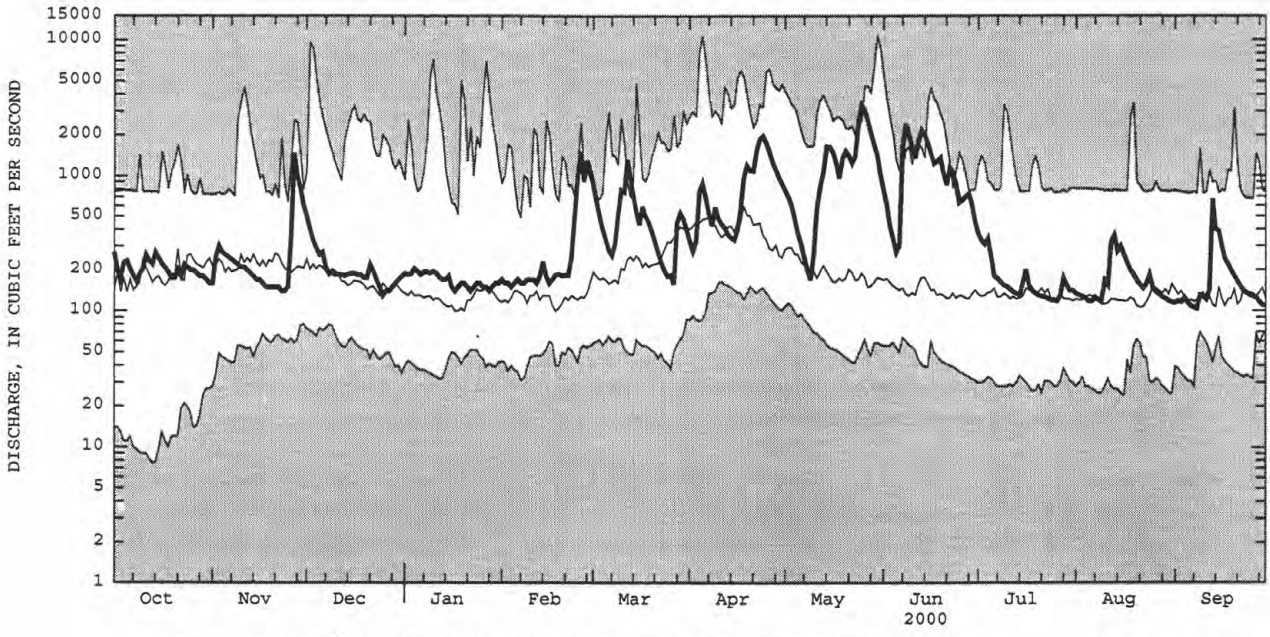
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)

MEAN	283	327	288	247	213	350	764	516	298	240	257	279
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	77036		164953			
ANNUAL MEAN	211		451		334	
HIGHEST ANNUAL MEAN					688	1956
LOWEST ANNUAL MEAN					175	1999
HIGHEST DAILY MEAN	1950	Jan 24	3310	May 25	10800	May 30 1984
LOWEST DAILY MEAN	66	Sep 14	104	Sep 8	7.6	Oct 13 1954
ANNUAL SEVEN-DAY MINIMUM	68	Sep 9	113	Sep 2	8.6	Oct 8 1954
10 PERCENT EXCEEDS	349		1240		720	
50 PERCENT EXCEEDS	168		200		171	
90 PERCENT EXCEEDS	96		130		78	

e Estimated

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY--Continued



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

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1978 to current year.
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. Prior to June 1994, water-temperature recorder provided one-hour interval readings.
REMARKS.--Water temperature is affected by release of water from upstream reservoir. Interruptions of record were due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1978, 1981-82, 1984-2000), 28.0°C, June 30, 1981; minimum (water years 1979-87, 1989-2000), 0.0°C on many days during winter periods, except 1989, 1998.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 21.5°C, Aug. 8, 9; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.5	10.5	12.0	10.5	8.5	9.5	3.0	1.5	2.0	.0	.0	.0
2	13.5	10.5	11.5	11.5	8.5	9.5	3.0	1.0	2.0	.5	.0	.0
3	12.5	11.0	11.5	11.5	7.5	9.5	4.0	2.5	3.5	5.0	.5	2.5
4	11.5	10.5	11.0	7.5	5.5	6.5	5.5	4.0	4.5	7.0	5.0	6.0
5	11.0	9.5	10.0	7.0	4.5	5.5	7.0	5.5	6.0	6.0	1.0	3.5
6	10.0	8.5	9.0	8.0	6.0	7.0	7.5	6.5	7.0	1.0	.0	.0
7	9.0	6.5	8.0	7.0	5.0	6.0	7.0	5.0	6.5	1.0	.0	.5
8	9.5	6.0	8.0	5.5	4.0	5.0	5.0	4.0	4.5	.5	.0	.0
9	11.0	9.0	10.0	7.5	5.0	6.0	4.5	2.5	3.5	1.5	.0	.5
10	11.0	10.5	11.0	9.0	6.5	7.5	4.0	2.5	3.0	2.5	1.5	2.0
11	13.0	11.0	11.5	9.0	6.0	8.0	3.5	2.0	2.5	3.0	2.0	2.5
12	12.0	9.0	10.5	6.0	4.5	5.0	3.0	1.5	2.5	2.0	1.0	1.5
13	11.5	8.5	10.0	6.0	5.5	5.5	3.0	2.0	2.5	1.0	.0	.5
14	11.5	9.0	10.5	6.0	4.5	5.5	3.5	2.5	3.0	.0	.0	.0
15	10.0	7.5	8.5	5.0	4.0	4.5	4.0	2.5	3.5	.0	.0	.0
16	11.0	7.5	9.0	4.0	2.0	3.0	4.5	4.0	4.0	.0	.0	.0
17	12.5	9.5	11.0	3.0	1.5	2.0	4.0	2.5	3.0	.0	.0	.0
18	12.0	9.5	11.0	3.5	1.0	2.0	2.5	1.5	2.0	.0	.0	.0
19	9.5	7.5	8.5	5.5	2.5	4.0	1.5	.5	1.0	.0	.0	.0
20	9.0	8.0	8.5	6.0	3.5	4.5	3.0	1.0	1.5	.0	.0	.0
21	10.0	8.0	8.5	6.5	5.5	6.0	3.0	2.5	3.0	.0	.0	.0
22	8.5	7.0	8.0	8.5	6.5	7.5	2.5	1.0	2.0	.0	.0	.0
23	8.0	7.5	8.0	9.5	8.0	9.0	1.0	.0	.5	.0	.0	.0
24	8.5	7.0	7.5	10.5	9.0	10.0	.0	.0	.0	.0	.0	.0
25	9.0	6.5	7.5	10.0	8.5	9.0	.0	.0	.0	.0	.0	.0
26	8.5	6.0	7.0	10.0	8.0	9.0	.0	.0	.0	.0	.0	.0
27	7.5	6.0	6.5	10.0	8.0	9.0	.0	.0	.0	.0	.0	.0
28	7.5	5.0	6.5	8.0	6.0	7.0	.0	.0	.0	.0	.0	.0
29	8.0	5.5	6.5	6.0	5.0	5.5	.0	.0	.0	.0	.0	.0
30	9.5	6.5	8.0	5.0	3.0	4.0	.0	.0	.0	.0	.0	.0
31	10.5	7.5	9.0	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	13.5	5.0	9.0	11.5	1.0	6.5	7.5	.0	2.5	7.0	.0	.5

01417500 EAST BRANCH DELAWARE RIVER AT HARVARD, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	2.5	1.0	2.0	8.0	3.5	5.5	9.5	6.0	8.0
2	.0	.0	.0	2.5	1.5	2.0	6.5	5.5	6.0	10.0	7.5	8.5
3	.0	.0	.0	2.5	.5	1.5	8.0	6.0	7.0	12.0	6.5	9.0
4	.0	.0	.0	3.0	.0	1.5	9.0	7.5	8.0	12.5	8.5	11.0
5	.0	.0	.0	3.0	1.5	2.5	7.5	4.0	5.5	13.5	10.5	12.0
6	.0	.0	.0	4.5	1.5	3.0	6.5	3.5	5.0	15.5	11.5	13.5
7	.0	.0	.0	5.5	1.5	3.5	9.0	5.5	7.0	17.0	12.5	15.0
8	.0	.0	.0	7.0	3.5	5.0	11.5	7.0	9.0	18.5	14.0	16.0
9	.0	.0	.0	6.0	4.0	5.0	9.0	3.0	5.0	20.0	14.0	16.5
10	.0	.0	.0	5.5	4.0	4.5	5.0	2.5	3.5	17.5	12.5	15.0
11	.0	.0	.0	4.0	3.0	3.5	4.5	3.5	4.0	14.0	10.5	12.0
12	.0	.0	.0	3.5	2.0	3.0	5.5	3.5	4.5	11.5	10.0	10.5
13	.0	.0	.0	3.5	1.0	2.0	8.0	3.0	5.5	14.5	10.5	12.0
14	.0	.0	.0	3.5	1.5	2.5	10.0	5.0	7.0	14.0	10.5	12.5
15	.0	.0	.0	5.5	3.0	4.0	11.0	6.5	9.0	11.5	9.0	10.5
16	.0	.0	.0	6.5	4.0	5.5	12.5	9.5	10.5	13.0	8.5	10.5
17	.0	.0	.0	6.0	1.5	4.0	10.5	6.0	7.5	14.0	10.0	12.0
18	.0	.0	.0	3.5	.0	1.5	6.0	5.0	5.5	14.0	11.5	12.5
19	.0	.0	.0	4.5	1.5	3.0	7.5	5.0	6.0	13.5	10.5	11.5
20	.0	.0	.0	6.0	2.5	4.0	8.0	6.5	7.5	11.0	10.5	10.5
21	.0	.0	.0	6.0	4.0	5.0	7.5	7.0	7.0	11.0	10.0	10.5
22	.0	.0	.0	8.0	5.0	6.5	7.0	6.0	6.5	11.0	10.5	10.5
23	---	.0	---	9.0	5.0	7.0	6.5	6.0	6.0	12.0	10.0	11.0
24	---	---	---	10.0	5.5	7.5	9.0	5.5	7.0	13.0	11.0	12.0
25	---	---	---	8.5	5.5	7.0	9.5	5.5	7.5	12.5	10.5	11.5
26	---	---	---	9.5	6.5	8.0	9.0	6.0	7.5	12.0	8.5	10.5
27	---	---	---	8.0	4.5	6.5	8.0	6.5	7.0	13.0	9.5	11.5
28	---	---	---	7.0	5.5	6.5	9.0	6.5	8.0	13.5	11.0	12.0
29	3.5	---	---	5.5	4.0	5.0	11.0	6.5	8.5	13.5	12.0	13.0
30	---	---	---	5.0	4.0	4.5	11.5	7.5	9.5	16.0	12.0	13.5
31	---	---	---	6.5	3.5	5.0	---	---	---	17.0	13.0	15.0
MONTH	---	---	---	10.0	.0	4.0	12.5	2.5	7.0	20.0	6.0	12.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	13.0	14.5	---	---	---	17.5	15.5	16.5	18.0	16.0	17.0
2	17.5	13.0	15.5	---	---	---	19.5	15.5	17.5	18.5	15.5	17.0
3	17.0	13.5	15.0	---	---	---	20.0	16.5	18.0	19.0	16.0	17.5
4	15.0	12.0	13.5	---	---	---	20.5	16.0	18.0	17.5	15.0	16.5
5	13.5	11.0	12.0	---	---	---	19.5	15.5	17.5	16.0	11.5	14.0
6	11.0	9.5	10.0	18.0	---	---	18.0	15.0	16.0	16.5	11.5	14.0
7	15.5	8.5	12.5	17.0	13.0	15.0	18.5	14.0	16.0	16.5	12.0	14.0
8	16.0	13.5	14.5	17.5	12.0	15.0	21.5	16.5	18.5	16.0	12.5	14.5
9	16.5	13.0	14.5	17.0	13.0	15.0	21.5	17.5	19.5	15.0	13.5	14.5
10	18.5	13.0	16.0	19.5	14.0	16.5	20.0	17.0	18.5	15.5	13.0	14.0
11	18.5	13.5	16.0	20.5	15.5	17.5	18.0	15.0	16.5	15.5	14.0	14.5
12	17.0	15.0	16.0	20.5	14.5	17.5	16.5	12.5	14.5	15.0	13.5	14.0
13	16.5	15.5	16.0	19.5	15.0	17.5	17.5	13.0	15.5	17.0	13.5	15.0
14	15.5	15.5	15.5	18.5	15.0	17.0	16.0	13.5	14.5	16.5	13.0	14.5
15	17.0	14.5	15.5	18.0	14.5	16.0	18.0	12.5	15.0	15.0	13.5	14.0
16	18.5	15.5	16.5	17.5	13.0	15.0	19.0	15.0	17.0	---	---	---
17	17.5	15.0	16.0	19.0	15.0	17.0	18.0	15.0	16.0	---	---	---
18	15.5	15.0	15.5	20.0	15.5	18.0	16.0	13.5	14.5	---	---	---
19	18.0	15.5	16.5	18.0	15.0	16.5	16.5	12.5	14.0	15.5	13.0	14.0
20	19.0	15.0	17.0	19.5	13.5	16.5	17.5	12.5	15.0	17.5	13.5	15.0
21	17.5	15.0	16.5	17.5	14.5	16.0	17.5	12.5	15.0	16.0	14.0	15.0
22	18.0	15.0	16.5	18.0	14.0	15.5	18.0	12.5	15.5	15.0	12.0	13.5
23	17.5	14.5	16.0	18.5	13.5	16.0	16.5	13.5	14.5	13.5	12.0	12.5
24	18.0	14.5	16.0	17.0	14.5	16.0	17.0	12.5	14.5	12.5	11.5	12.5
25	19.5	15.0	17.0	17.5	14.0	15.5	18.5	14.0	16.0	13.5	10.0	11.5
26	---	16.0	---	15.5	14.0	15.0	18.5	14.0	16.5	12.0	10.0	11.0
27	---	---	---	16.5	13.5	15.0	17.5	14.5	16.0	13.0	9.0	11.0
28	18.0	13.5	16.0	20.0	14.0	17.0	18.5	14.0	16.0	13.0	10.5	11.5
29	---	---	---	18.5	16.5	17.0	17.5	15.0	16.5	12.0	8.5	10.0
30	---	---	---	17.0	14.5	15.5	17.5	14.5	16.0	12.5	8.5	10.0
31	---	---	---	17.0	13.5	15.0	19.0	15.0	17.0	---	---	---
MONTH	---	---	---	---	---	---	21.5	12.5	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.
DRAINAGE AREA.--241 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1913 to current year.
REVISED RECORDS.--WSP 521: Drainage area. WSP 781: 1933(M). WSP 891: 1936-39(M). WSP 1202: 1950. WSP 1232: 1950(M).
GAGE.--Water-stage recorder. Datum of gage is 1,151.70 ft above 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 ft^3/s, Jan. 19, 1996, gage height, 17.79 ft, from floodmark in gage well, outside gage height, 18.5 ft, from floodmark, from rating curve extended above 13,000 ft^3/s on basis of slope-area measurement at gage height 15.52 ft; minimum discharge, 16 ft^3/s, Nov. 22, 23, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0800	6,070	8.42	July 16	0015	5,150	7.90
Mar. 12	0815	*6,600	*8.69				

Minimum discharge, 127 ft^3/s, Sept. 9, gage height, 1.51 ft.

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	498	347	667	303	e270	1810	820	588	543	512	429	140
2	372	360	583	287	e240	1520	739	546	490	438	385	277
3	323	1320	535	305	e225	1190	750	487	437	403	357	249
4	570	817	507	336	249	983	1490	442	378	445	464	211
5	655	638	471	433	224	866	1520	422	354	363	336	180
6	513	565	506	317	212	763	1160	407	1220	313	292	153
7	444	508	514	311	203	738	968	364	3180	281	354	139
8	398	461	444	277	186	1070	867	341	1360	255	312	133
9	471	430	404	278	193	1850	1300	319	916	237	271	164
10	648	403	392	327	221	3360	1040	491	718	227	263	215
11	968	387	420	624	210	2860	919	809	615	208	241	167
12	691	350	375	488	196	5080	878	848	1350	189	366	219
13	588	334	352	439	169	2770	822	1090	1170	175	349	2110
14	827	317	362	304	e360	1820	825	1460	1200	167	296	923
15	725	305	488	326	e940	1400	843	983	1010	1230	306	840
16	615	293	558	373	687	1220	793	807	874	3280	289	662
17	561	274	502	e260	533	2180	781	698	734	2250	262	516
18	522	254	441	e260	412	1470	1490	670	675	1070	230	437
19	464	246	399	e270	473	1190	1310	1270	733	707	216	385
20	561	245	400	e270	432	1020	1060	1550	589	562	198	358
21	607	250	716	e270	383	907	1280	1330	510	472	182	317
22	515	234	610	e260	351	823	2320	1240	863	437	173	280
23	728	224	522	e260	383	748	2000	1740	633	367	209	261
24	683	223	464	e260	444	684	1590	3070	523	325	376	262
25	575	241	390	e270	e720	632	1260	2610	480	297	244	242
26	516	396	407	282	e1400	635	1050	1730	746	276	196	236
27	477	2310	420	269	e1700	571	917	1280	950	325	175	249
28	442	1380	348	245	4610	1660	864	1020	696	330	167	217
29	412	971	355	e240	2720	1430	755	844	591	378	156	195
30	386	789	357	e235	---	1120	659	708	634	547	149	190
31	363	---	333	e250	---	935	---	605	---	518	144	---
TOTAL	17118	15872	14242	9629	19346	45305	33070	30769	25172	17584	8387	10927
MEAN	552	529	459	311	667	1461	1102	993	839	567	271	364
MAX	968	2310	716	624	4610	5080	2320	3070	3180	3280	464	2110
MIN	323	223	333	235	169	571	659	319	354	167	144	133
CFSM	2.29	2.20	1.91	1.29	2.77	6.06	4.57	4.12	3.48	2.35	1.12	1.51
IN.	2.64	2.45	2.20	1.49	2.99	6.99	5.10	4.75	3.89	2.71	1.29	1.69

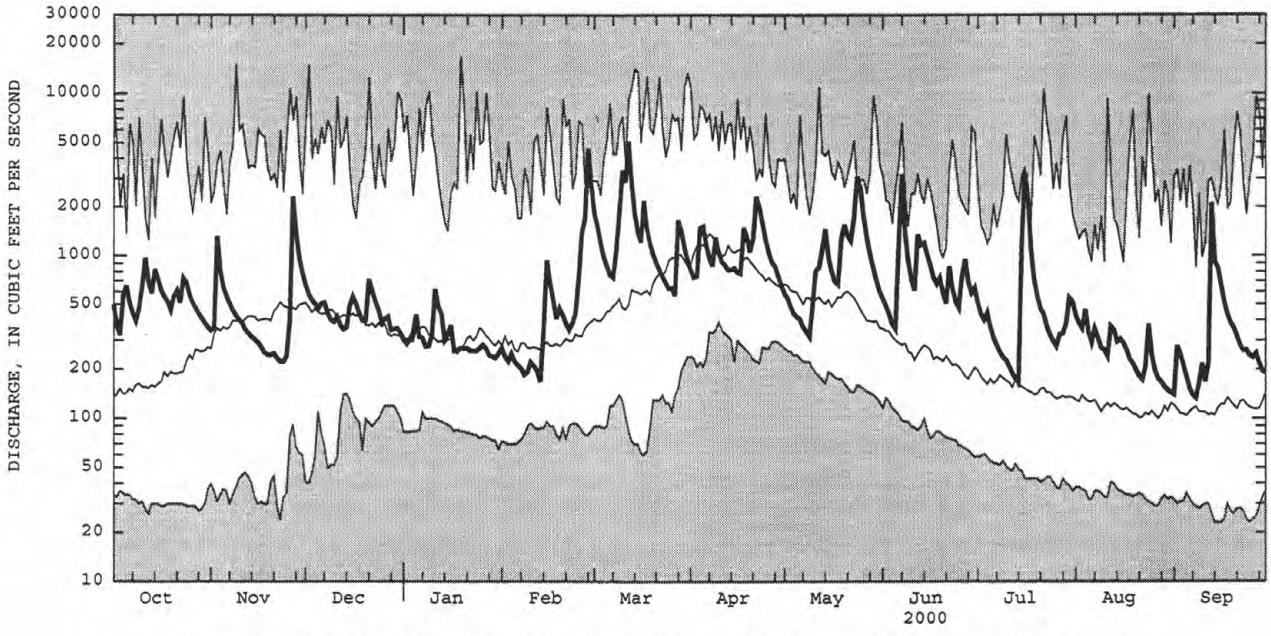
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2000, BY WATER YEAR (WY)

MEAN	381	605	628	534	498	974	1275	696	387	282	213	242
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	224	107	54.0	40.4	31.8
(WY)	1965	1965	1923	1981	1920	1932	1946	1941	1991	1962	1962	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1913 - 2000	
ANNUAL TOTAL	191075		247421			
ANNUAL MEAN	523		676		559	
HIGHEST ANNUAL MEAN					937	1928
LOWEST ANNUAL MEAN					277	1965
HIGHEST DAILY MEAN	10300	Jan 24	5080	Mar 12	16700	Jan 19 1996
LOWEST DAILY MEAN	39	Sep 5	133	Sep 8	23	Sep 14 1913
ANNUAL SEVEN-DAY MINIMUM	43	Aug 31	161	Aug 26	26	Sep 21 1964
ANNUAL RUNOFF (CFSM)	2.17		2.81		2.32	
ANNUAL RUNOFF (INCHES)	29.49		38.19		31.51	
10 PERCENT EXCEEDS	998		1350		1240	
50 PERCENT EXCEEDS	392		468		320	
90 PERCENT EXCEEDS	65		222		84	

e Estimated

01420500 BEAVER KILL AT COOKS FALLS, NY--Continued



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

01420500 BEAVER KILL AT COOKS FALLS, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-75, 1988 to current year.
CHEMICAL DATA: 1966 (c), 1967-74 (d), 1975 (c).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1987 to current year.
INSTRUMENTATION.--Water-temperature satellite and telephone telemeter since June 1986, provides 15-minute-interval readings.
REMARKS.--Interruptions of record were due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1991, 1993-97, 1999-2000), 31.0°C, July 9, 1993; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 23.0°C, Aug. 10; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.0	11.5	13.0	10.5	9.0	9.5	2.5	1.0	1.5	1.0	.0	.5
2	14.0	11.5	12.5	11.5	8.5	9.5	2.5	.5	1.5	2.5	.0	1.5
3	13.5	12.0	12.5	11.5	7.5	9.5	4.0	2.5	3.0	5.0	2.5	3.5
4	12.0	11.0	11.5	7.5	6.0	7.0	5.5	4.0	4.5	6.5	5.0	6.0
5	11.0	10.0	11.0	7.0	5.0	6.0	7.0	5.5	6.0	6.0	1.0	3.0
6	10.5	9.0	9.5	8.0	6.5	7.0	7.0	6.0	6.5	1.0	.0	.5
7	9.5	7.0	8.5	7.0	5.0	6.0	6.5	4.5	6.0	1.0	.0	.5
8	10.0	6.5	8.0	5.0	4.0	5.0	4.5	3.5	4.0	.5	.0	.5
9	11.5	9.5	10.5	7.5	5.0	6.0	4.0	2.5	3.0	1.5	.0	.5
10	12.0	11.0	11.5	9.0	6.5	8.0	4.0	2.5	3.0	3.0	1.5	2.5
11	13.5	11.5	12.0	9.0	6.0	8.0	4.0	2.0	3.0	3.0	2.0	2.5
12	11.5	9.5	10.5	6.0	4.0	5.0	3.0	1.5	2.0	2.5	1.5	2.0
13	12.0	9.0	10.5	6.5	5.0	6.0	3.5	2.0	2.5	1.5	.0	.5
14	12.0	9.0	11.0	6.0	5.0	5.5	4.0	3.0	3.5	1.0	.0	.5
15	9.5	7.5	8.5	5.5	4.0	5.0	4.5	3.0	4.0	.5	.0	.5
16	11.0	8.0	9.5	4.0	2.0	3.0	5.0	3.5	4.5	.5	.0	.5
17	12.5	10.0	11.5	3.0	1.5	2.0	3.5	2.5	3.0	1.0	.0	.5
18	12.5	9.5	11.0	3.0	1.0	2.0	2.5	1.5	2.0	.5	.0	.0
19	9.5	7.5	8.5	5.5	2.5	4.0	1.5	.5	1.0	.5	.0	.5
20	9.5	8.5	9.0	6.0	3.5	5.0	3.0	1.0	1.5	.5	.0	.0
21	10.0	8.0	9.0	7.0	5.5	6.5	3.5	2.5	3.0	.5	.0	.0
22	8.5	7.0	8.0	---	7.0	---	2.5	1.0	2.0	.5	.0	.0
23	8.5	8.0	8.5	---	---	---	1.0	.0	.5	.5	.0	.0
24	8.5	7.5	8.0	---	---	---	.5	.0	.5	1.0	.0	.5
25	9.0	7.0	8.0	---	---	---	.5	.0	.5	.5	.0	.0
26	8.0	6.0	7.5	10.0	8.0	9.0	.5	.0	.5	1.0	.0	.5
27	7.5	6.5	7.0	10.0	7.5	9.0	.5	.0	.5	.5	.0	.0
28	8.0	5.5	6.5	7.5	6.0	6.5	.5	.0	.5	.0	.0	.0
29	8.0	5.5	7.0	6.0	4.5	5.0	.5	.0	.5	.5	.0	.0
30	9.5	7.0	8.0	4.5	2.5	3.5	.5	.0	.5	.5	.0	.0
31	10.5	8.0	9.5	---	---	---	1.0	.0	.5	.0	.0	.0
MONTH	14.0	5.5	9.5	---	---	---	7.0	.0	2.5	6.5	.0	1.0

01420500 BEAVER KILL AT COOKS FALLS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.5	.0	.0	3.5	1.5	3.0	8.5	3.5	6.0	10.5	7.0	9.0
2	.0	.0	.0	3.5	2.0	3.0	7.0	5.5	6.5	12.5	9.5	10.5
3	.0	.0	.0	3.0	1.5	2.0	8.5	7.0	7.5	13.5	7.5	10.5
4	.0	.0	.0	4.0	.5	2.5	9.5	8.0	9.0	14.5	9.5	12.5
5	.5	.0	.0	3.5	2.0	3.0	8.0	4.5	6.0	16.0	12.0	14.0
6	.5	.0	.0	5.0	2.0	3.5	7.0	4.0	5.5	18.0	13.5	15.5
7	.5	.0	.0	5.5	2.0	4.0	9.0	6.0	7.5	19.0	14.0	16.5
8	.0	.0	.0	6.5	4.0	5.5	12.0	7.5	9.5	19.0	15.5	17.5
9	.0	.0	.0	6.5	4.0	5.0	10.0	3.5	5.5	20.5	15.5	18.0
10	.0	.0	.0	5.5	4.0	4.5	5.5	3.0	4.0	18.5	13.0	16.0
11	.0	.0	.0	4.5	3.5	4.0	5.0	3.5	4.0	15.5	11.5	13.5
12	.5	.0	.0	4.0	2.5	3.5	6.0	4.0	5.0	14.0	11.5	12.5
13	.0	.0	.0	4.0	1.5	3.0	8.0	3.0	5.5	15.0	11.5	13.0
14	.5	.0	.0	4.5	2.0	3.5	9.5	4.5	7.0	15.0	11.5	13.5
15	.5	.0	.0	6.0	3.5	4.5	11.0	6.0	8.5	13.0	10.0	11.5
16	.5	.0	.5	7.0	4.5	6.0	12.0	9.5	10.5	13.5	9.0	11.0
17	.5	.5	.5	6.5	2.0	4.0	11.0	7.0	8.5	14.5	10.5	12.5
18	.5	.5	.5	4.0	.5	2.5	7.0	5.5	6.0	14.5	12.0	13.0
19	.5	.5	.5	5.0	1.5	3.5	8.5	6.0	7.0	13.5	10.5	12.0
20	.5	.0	.5	5.5	2.5	4.0	9.5	7.5	8.5	10.5	9.0	9.5
21	.5	.0	.5	6.5	4.5	5.5	9.0	7.0	8.0	10.0	9.0	9.5
22	.5	.0	.5	7.5	5.5	6.5	7.5	6.5	7.0	10.5	10.0	10.0
23	.5	.5	.5	8.5	4.5	6.5	7.0	6.0	6.5	11.5	10.0	10.5
24	.5	.5	.5	9.5	5.5	7.5	10.5	6.0	8.0	13.5	10.5	12.0
25	1.0	.0	.5	8.5	6.0	7.5	10.5	6.5	9.0	13.5	11.0	12.0
26	.5	.0	.5	10.0	7.0	8.0	9.5	6.5	8.0	13.0	11.0	12.0
27	3.5	.5	2.0	8.0	5.0	7.0	8.0	6.5	7.5	13.5	10.0	12.0
28	2.5	1.5	2.0	7.5	6.0	7.0	10.0	7.0	8.5	13.5	10.5	12.0
29	4.0	1.5	2.5	6.0	5.0	5.5	11.5	6.5	9.0	12.5	11.0	11.5
30	---	---	---	6.0	4.5	5.0	12.0	8.0	10.0	15.5	10.0	12.5
31	---	---	---	6.5	4.0	5.5	---	---	---	17.0	11.5	14.0
MONTH	4.0	.0	.5	10.0	.5	4.5	12.0	3.0	7.5	20.5	7.0	12.5

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

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 mi^2.

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 mi^2 of drainage area controlled by Pepacton Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite gage-height telemeter and National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to construction of Pepacton Reservoir, 53,300 ft^3/s, Aug. 24, 1933, gage height, 20.60 ft, at former site and datum, from rating curve extended above 22,000 ft^3/s; maximum discharge since construction of Pepacton Reservoir, 53,000 ft^3/s, Jan. 19, 1996, gage height, 16.88 ft, from floodmark in gage well, outside gage height was about 17.7 ft, from floodmarks; minimum daily discharge prior to construction of Pepacton Reservoir, 68 ft^3/s, Aug. 28, 1949, minimum instantaneous discharge not determined; minimum discharge since construction of Pepacton Reservoir, 52 ft^3/s, July 23, 1964, gage height, 1.16 ft, at former site and datum.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 9, 1903, reached a stage of 23.6 ft, at former site and datum, from description obtained in April 1939, from local residents who had experienced the flood (discharge, about 70,000 ft^3/s, from rating curve extended above 22,000 ft^3/s).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,500 ft^3/s, Feb. 28, gage height, 8.42 ft; minimum discharge not determined.

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	918	e580	1420	e560	e450	3860	1610	1560	1600	e1100	e620	e290
2	574	e700	1160	e540	e440	3120	1410	1380	1280	e900	e580	e440
3	e560	1680	993	e560	e430	2420	1450	e1300	976	e820	e560	e400
4	778	1260	884	e620	e450	1970	3080	e1100	e900	e880	e640	e370
5	1120	943	e840	e700	e440	1720	3610	e1000	e800	672	e520	e330
6	803	e920	e860	e560	e430	1490	2700	e860	1400	608	e470	e300
7	e700	e840	e800	e560	e420	1410	2140	e740	5440	557	e540	e280
8	e640	e780	e720	e540	e390	1890	1840	e660	4770	512	e500	e270
9	e800	e740	e660	e540	e410	3170	2660	e600	3660	476	e450	e340
10	843	e700	e660	e600	e440	5650	2200	931	2840	444	e480	e370
11	1590	e660	e680	1020	e430	4770	1950	1830	2300	409	e450	e330
12	1170	e640	e620	815	e400	8330	1830	2200	3710	376	e780	e400
13	969	e600	e600	702	e400	5430	1700	3150	4220	364	e780	3250
14	1270	e560	e620	503	e700	3710	1660	4310	4110	359	e660	1810
15	1220	e540	e800	e580	e1200	2780	1650	3620	3430	e1500	e660	1580
16	979	e520	854	e580	e900	2320	1630	3020	2870	4200	e600	1300
17	850	e490	805	e500	e800	3640	1750	2500	2370	2760	e540	965
18	e800	e460	699	e460	e680	2790	3380	2020	2330	1490	485	756
19	e720	e450	670	e460	e740	2320	3800	3230	2540	958	472	621
20	e840	e450	615	e480	e680	1980	3210	4220	1980	706	455	e600
21	e900	e450	1100	e460	e640	1720	3230	3780	1620	e680	440	e540
22	e780	e430	1010	e450	e600	1520	4890	3330	2430	e620	430	e480
23	e1000	e420	830	e460	e700	1340	5080	4240	2140	e560	454	e450
24	e960	e420	e640	e470	e1000	1190	4790	7130	1720	e500	e620	e440
25	e900	e800	e600	e480	e2000	1060	4080	7570	1340	e470	e450	e420
26	e820	574	e620	e480	e3200	1040	3400	6200	1700	e450	e400	e420
27	e740	5850	e640	e470	e2900	904	2830	5040	2000	e520	e360	e420
28	e700	3720	e580	e440	8440	2580	2520	4100	1780	e560	e350	e380
29	e660	2390	e580	e440	5570	2780	2120	3320	1400	e600	e330	e350
30	e640	1800	e580	e450	---	2270	1810	2710	1280	e760	e300	e330
31	e580	---	e560	e450	---	1880	---	2060	---	e700	e290	---
TOTAL	26824	31367	23700	16930	36280	83054	80010	89711	70936	26511	15666	19232
MEAN	865	1046	765	546	1251	2679	2667	2894	2365	855	505	641
MAX	1590	5850	1420	1020	8440	8330	5080	7570	5440	4200	780	3250
MIN	560	420	560	440	390	904	1410	600	800	359	290	270

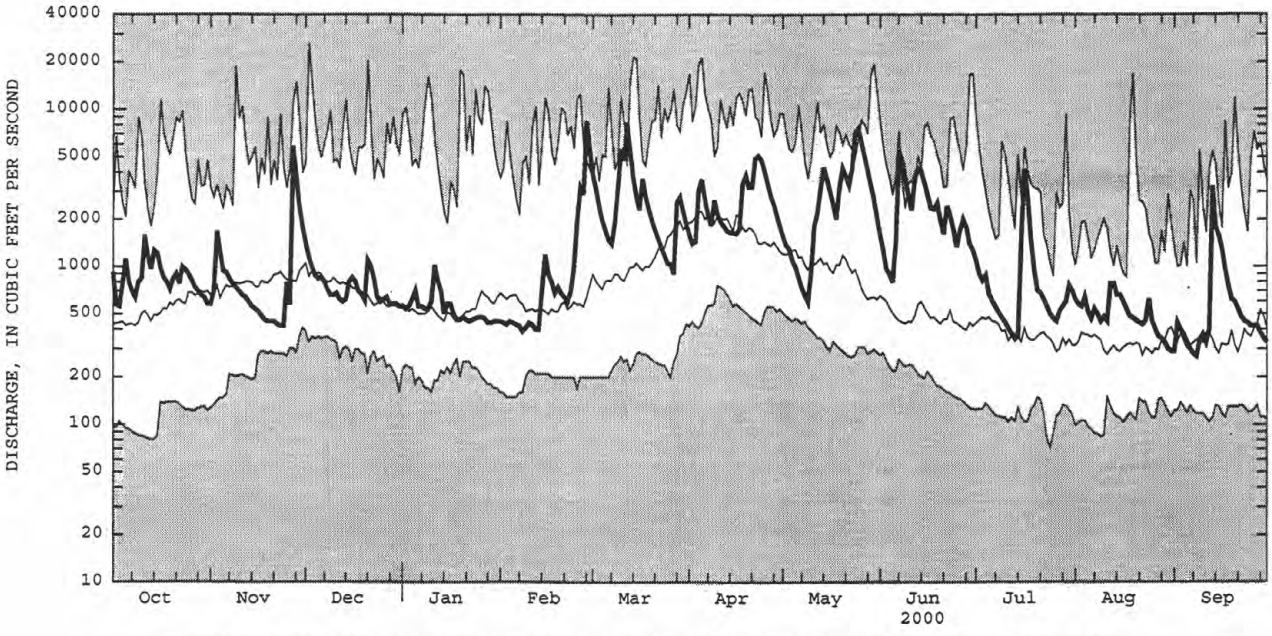
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)

MEAN	789	1117	1155	977	996	1656	2566	1520	831	535	468	539
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	334445		520221			
ANNUAL MEAN	916		1421		1095	
HIGHEST ANNUAL MEAN					1586	1973
LOWEST ANNUAL MEAN					604	1965
HIGHEST DAILY MEAN	13400	Jan 24	8440	Feb 28	26500	Dec 2 1996
LOWEST DAILY MEAN	150	Sep 3	270	Sep 8	72	Jul 24 1964
ANNUAL SEVEN-DAY MINIMUM	160	Aug 30	317	Sep 5	84	Oct 9 1954
10 PERCENT EXCEEDS	1870		3390		2430	
50 PERCENT EXCEEDS	640		800		640	
90 PERCENT EXCEEDS	210		430		233	

e Estimated

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.

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.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1968-75, 1978, 1980-82, 1984, 1986-95, 1999-2000), 31.5°C, Aug. 2, 1975; minimum (water years 1968-76, 1978-79, 1981-2000), 0.0°C on many days during winter periods, except 1978.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 23.5°C, Aug. 9, 10; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.0	11.5	12.5	11.0	9.0	9.5	2.5	1.0	1.5	1.0	.0	.0
2	14.0	11.0	12.5	11.5	9.0	9.5	2.0	.5	1.5	1.5	.0	1.0
3	13.5	12.0	12.5	11.5	7.5	9.5	3.5	2.0	2.5	4.0	1.5	2.5
4	12.0	11.0	11.5	7.5	5.5	6.5	5.0	3.5	4.0	6.5	4.0	5.5
5	11.5	10.0	10.5	7.0	4.5	6.0	7.0	5.0	6.0	6.0	1.0	3.0
6	10.0	8.5	9.5	8.0	6.0	7.0	7.0	6.0	6.5	1.0	.0	.0
7	9.5	7.0	8.5	7.0	5.0	6.0	6.5	4.5	5.5	1.0	.0	.5
8	9.5	6.5	8.0	5.0	4.0	4.5	5.0	3.0	4.0	1.0	.0	.0
9	11.5	9.5	10.5	7.0	4.5	6.0	4.0	2.5	3.0	1.5	.0	.5
10	11.5	11.0	11.0	8.5	6.5	7.5	3.5	2.5	3.0	2.5	1.0	2.0
11	13.5	11.5	12.0	8.5	6.0	7.5	3.5	2.0	2.5	3.0	2.0	2.5
12	11.5	9.5	10.5	6.0	4.5	5.0	2.5	1.0	2.0	2.5	1.5	2.0
13	11.5	9.0	10.5	6.0	5.0	5.5	3.0	1.5	2.0	1.5	.0	.5
14	11.5	9.0	10.5	5.5	4.5	5.0	3.5	2.5	3.0	.0	.0	.0
15	10.0	7.5	9.0	5.0	3.5	4.5	4.0	2.5	3.0	.0	.0	.0
16	11.0	7.5	9.0	3.5	2.0	2.5	4.5	3.5	4.0	.0	.0	.0
17	12.5	9.5	11.0	2.5	1.0	1.5	3.5	2.0	3.0	.0	.0	.0
18	12.0	9.5	11.0	3.0	1.0	2.0	2.5	1.5	2.0	.0	.0	.0
19	10.0	8.0	9.0	5.0	2.5	3.5	1.5	.0	1.0	.0	.0	.0
20	9.5	8.5	9.0	5.5	3.5	4.0	2.5	.5	1.5	.0	.0	.0
21	10.0	8.0	9.0	6.0	4.5	5.5	3.0	2.5	2.5	.0	.0	.0
22	8.5	7.0	8.0	8.0	6.0	7.0	2.5	1.0	2.0	.0	.0	.0
23	8.5	7.5	8.0	9.5	8.0	8.5	1.0	.0	.5	.0	.0	.0
24	8.5	7.5	7.5	10.5	9.0	10.0	.0	.0	.0	.0	.0	.0
25	9.0	7.0	7.5	10.0	8.0	9.0	.0	.0	.0	.0	.0	.0
26	8.0	6.0	7.0	10.0	8.0	9.0	.0	.0	.0	.0	.0	.0
27	7.0	6.5	6.5	10.0	8.0	9.0	.0	.0	.0	.0	.0	.0
28	8.0	5.5	6.5	8.0	5.5	6.5	.0	.0	.0	.0	.0	.0
29	8.0	5.5	7.0	5.5	4.5	5.0	.5	.0	.0	.0	.0	.0
30	9.0	6.5	8.0	4.5	2.5	3.5	.5	.0	.0	.0	.0	.0
31	10.0	7.5	9.0	---	---	---	1.0	.0	.5	.0	.0	.0
MONTH	14.0	5.5	9.5	11.5	1.0	6.0	7.0	.0	2.0	6.5	.0	.5

01421000 EAST BRANCH DELAWARE RIVER AT FISHS EDDY, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	3.0	2.0	2.5	8.5	3.5	6.0	10.0	7.5	9.0
2	.0	.0	.0	3.0	2.0	3.0	7.0	6.0	6.5	12.0	9.5	10.5
3	.0	.0	.0	3.0	1.5	2.0	8.5	6.5	7.5	13.0	8.0	10.5
4	.0	.0	.0	4.0	1.0	2.5	9.0	8.0	9.0	14.5	10.0	12.5
5	.0	.0	.0	4.0	2.5	3.0	8.0	4.5	6.0	16.0	12.0	14.0
6	.0	.0	.0	5.5	2.5	3.5	7.0	4.0	5.5	18.0	13.5	15.5
7	.0	.0	.0	6.0	2.5	4.0	9.0	6.0	7.5	19.5	14.5	17.0
8	.0	.0	.0	7.0	4.5	5.5	12.0	7.5	9.0	19.5	16.0	17.5
9	.0	.0	.0	6.5	4.5	5.5	9.0	3.5	5.5	21.0	16.0	18.5
10	.5	.0	.0	6.0	4.5	5.0	5.5	3.0	4.0	17.0	12.5	15.0
11	.0	.0	.0	4.5	3.5	4.0	5.0	3.5	4.0	14.5	11.5	12.5
12	.5	.0	.0	4.0	2.5	3.5	6.0	4.0	5.0	12.5	11.0	11.5
13	.0	.0	.0	3.5	2.0	2.5	8.0	3.5	5.5	14.5	11.0	12.5
14	.5	.0	.0	4.0	2.5	3.5	9.5	4.5	7.0	14.0	11.5	13.0
15	.0	.0	.0	6.0	3.5	4.5	11.0	6.5	9.0	12.5	10.0	11.0
16	.0	.0	.0	7.0	4.5	6.0	12.5	9.0	11.0	13.0	9.0	11.0
17	.0	.0	.0	6.5	2.0	4.5	11.0	7.0	9.0	14.0	10.5	12.5
18	.0	.0	.0	4.0	.5	2.0	7.0	6.0	6.0	14.5	12.0	13.0
19	.0	.0	.0	5.0	1.5	3.5	8.0	6.0	6.5	13.5	11.0	12.0
20	.0	.0	.0	6.0	3.0	4.5	9.0	7.5	8.5	11.0	9.5	10.0
21	.5	.0	.0	6.5	4.5	5.5	8.5	7.5	8.0	10.0	9.5	10.0
22	1.0	.0	.0	8.5	5.5	6.5	7.5	6.5	7.0	10.5	10.0	10.0
23	1.5	.0	.5	9.0	5.0	7.0	7.5	6.0	6.5	11.5	10.0	11.0
24	1.0	.0	.5	10.0	6.0	8.0	10.0	6.0	7.5	13.0	11.0	12.0
25	.5	.0	.5	9.0	6.5	7.5	10.5	6.5	8.5	13.0	11.0	12.0
26	1.0	.0	.5	9.5	7.0	8.0	9.5	7.0	8.0	12.5	10.0	11.5
27	2.5	.0	1.0	8.5	5.5	7.0	8.5	7.0	7.5	13.5	10.0	11.5
28	2.5	2.0	2.0	7.5	6.0	7.0	9.5	7.0	8.5	13.5	10.5	12.0
29	4.0	2.0	2.5	6.0	5.0	5.5	11.0	7.0	9.0	13.5	12.0	12.5
30	---	---	---	5.5	4.5	5.0	12.0	8.5	10.0	15.5	11.0	13.5
31	---	---	---	7.0	4.0	5.5	---	---	---	17.0	12.5	15.0
MONTH	4.0	.0	.5	10.0	.5	5.0	12.5	3.0	7.5	21.0	7.5	12.5

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

01421614 TOWN BROOK TRIBUTARY SOUTHEAST OF HOBART, NY

LOCATION.--Lat 42°20'58", long 74°36'41", Delaware County, Hydrologic Unit 02040101, on left bank 0.3 mi upstream from mouth, and 3.3 mi southeast of Hobart.
DRAINAGE AREA.--0.76 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Supplementary water-stage recorder about 15 ft upstream used for low-flow periods. 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 ft^3/s, July 4, 1999, gage height, 3.24 ft, from rating curve extended above 22 ft^3/s on basis of flow-over-dam measurement of peak flow; minimum discharge, 0.05 ft^3/s, Sept. 1, 2, 5, 6 1999; minimum gage height not determined.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0030	*23	*2.30	No other peak greater than base discharge.			

Minimum discharge, 0.23 ft^3/s, Aug. 5, 6, 9; minimum gage height not determined.

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	1.3	.94	4.3	.62	.45	6.4	5.2	2.0	1.5	.94	.31	.44
2	1.2	1.1	3.3	.70	.42	5.2	4.4	1.9	1.4	.84	.29	.43
3	1.2	1.1	2.5	.78	.40	4.1	4.8	1.6	1.2	1.0	.28	.43
4	1.7	.80	2.9	1.9	.38	3.4	8.1	1.5	1.1	.85	.27	.66
5	e1.4	.72	2.7	1.7	.36	2.9	9.1	1.4	1.1	.75	.25	.43
6	e1.3	.72	2.7	2.1	.34	2.4	6.9	1.3	3.3	.69	.27	.38
7	e1.3	e.72	2.2	2.2	.33	2.2	5.7	1.2	5.5	.63	.48	.35
8	1.3	e.66	1.7	1.9	.30	2.6	4.5	1.1	5.2	.57	.27	.34
9	1.4	e.66	1.7	1.7	.30	4.4	4.4	1.0	4.1	.54	.59	.37
10	1.4	.74	1.8	2.2	.30	7.5	3.7	e1.6	4.0	.52	.85	.34
11	1.3	e.72	1.6	1.9	e.30	8.1	3.2	1.7	4.1	.47	.59	.32
12	1.2	e.60	1.5	1.6	.30	9.7	3.1	2.5	4.2	.43	1.7	.61
13	1.2	e.55	1.4	e1.4	.28	7.8	3.0	6.6	4.6	.42	1.6	.94
14	1.8	e.55	1.4	e1.2	1.9	5.7	3.1	e8.9	5.2	.39	1.8	.48
15	1.5	e.55	1.5	e1.1	1.1	4.5	3.9	e6.4	4.5	.82	1.4	.93
16	1.7	e.53	1.5	e.96	1.1	4.2	4.6	4.8	4.0	.77	2.3	.62
17	1.7	e.49	1.2	e.90	1.0	5.3	4.9	e4.7	4.0	.56	2.1	.66
18	1.7	e.44	1.0	e.84	.96	5.1	4.8	e4.2	4.1	.46	2.0	.64
19	1.5	e.47	.93	e.80	.91	4.3	4.7	4.4	3.2	.43	1.6	.60
20	1.6	e.46	1.2	e.78	.85	3.7	4.7	4.1	2.6	.38	1.3	.56
21	1.4	.45	1.6	e.74	.82	3.1	4.9	4.5	3.1	.36	1.1	.50
22	1.4	.43	e1.4	e.72	.82	2.5	5.0	4.7	3.5	.35	.98	.44
23	1.6	.53	e1.3	.68	.98	2.2	5.1	4.1	3.3	.34	1.0	.42
24	1.4	.50	e1.2	.65	1.5	2.1	5.0	4.0	2.9	.33	.87	.43
25	1.4	.64	e1.1	.64	3.5	2.4	4.7	4.6	2.5	.31	.75	.38
26	1.4	1.6	e1.0	.62	6.3	2.8	4.3	4.6	2.0	.32	.68	.39
27	1.4	12	e.96	.57	13	3.0	4.1	4.1	1.5	.39	.63	.34
28	1.3	12	e.92	.51	14	5.6	3.2	4.1	1.3	.32	.57	.31
29	1.2	8.5	e.88	.46	10	6.1	2.5	3.0	1.2	.35	.52	.29
30	1.1	6.0	.85	.45	---	5.2	2.2	2.3	1.1	.36	.49	.27
31	1.0	---	.72	.48	---	4.3	---	1.8	---	.33	.47	---
TOTAL	43.3	56.17	50.96	33.80	63.20	138.8	137.8	104.7	91.3	16.22	28.31	14.30
MEAN	1.40	1.87	1.64	1.09	2.18	4.48	4.59	3.38	3.04	.52	.91	.48
MAX	1.8	12	4.3	2.2	14	9.7	9.1	8.9	5.5	1.0	2.3	.94
MIN	1.0	.43	.72	.45	.28	2.1	2.2	1.0	1.1	.31	.25	.27
CFSM	1.84	2.46	2.16	1.43	2.87	5.89	6.04	4.44	4.00	.69	1.20	.63
IN.	2.12	2.75	2.49	1.65	3.09	6.79	6.74	5.12	4.47	.79	1.39	.70

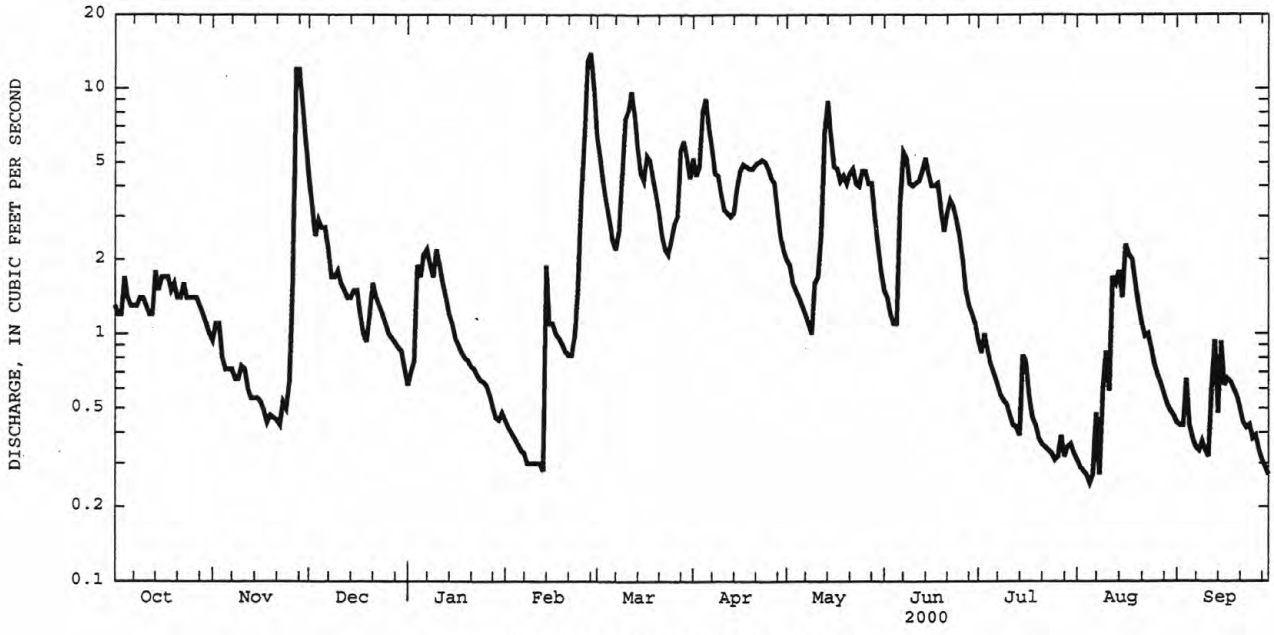
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	.78	1.07	1.05	1.93	1.96	3.01	3.60	2.60	1.82	1.28	.52	1.13
MAX	1.40	1.87	1.64	2.76	2.18	4.48	4.59	3.38	3.04	2.03	.91	1.79
(WY)	2000	2000	2000	1999	2000	2000	2000	2000	2000	1999	2000	1999
MIN	.16	.27	.46	1.09	1.73	1.53	2.61	1.81	.61	.52	.13	.48
(WY)	1999	1999	1999	2000	1999	1999	1999	1999	1999	2000	1999	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	605.56		778.86			
ANNUAL MEAN	1.66		2.13		1.73	
HIGHEST ANNUAL MEAN					2.13	2000
LOWEST ANNUAL MEAN					1.32	1999
HIGHEST DAILY MEAN	26	Jul 4	14	Feb 28	26	Jul 4 1999
LOWEST DAILY MEAN	.06	Sep 1	.25	Aug 5	.06	Oct 2 1998
ANNUAL SEVEN-DAY MINIMUM	.07	Aug 30	.29	Jul 31	.07	Aug 30 1999
ANNUAL RUNOFF (CFSM)	2.18		2.80		2.27	
ANNUAL RUNOFF (INCHES)	29.64		38.12		30.84	
10 PERCENT EXCEEDS	3.3		4.8		4.3	
50 PERCENT EXCEEDS	1.3		1.3		1.1	
90 PERCENT EXCEEDS	.14		.38		.16	

e Estimated

01421614 TOWN BROOK TRIBUTARY SOUTHEAST OF HOBART, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01421618 TOWN BROOK SOUTHEAST OF HOBART, NY

LOCATION.--Lat 42°21'40", long 74°39'45", Delaware County, Hydrologic Unit 02040101, on left bank 10 ft downstream from bridge on Clove Road, 0.9 mi southeast of Hobart, and 1.4 mi upstream from mouth.
DRAINAGE AREA.--14.3 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,670 ft above sea level, from topographic map.
REMARKS.--Records poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,400 ft^3/s, July 4, 1999, gage height, 7.54 ft, from rating curve extended above 400 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; minimum discharge, 0.49 ft^3/s, Sept. 5, 1999, gage height, 0.18 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 3,100 ft^3/s, Jan. 19, 1996, gage height, 7.42 ft, from floodmark, from rating curve extended as explained above.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 14	1715	ice jam	*4.25	Apr. 4	0715	a*922	4.11
Feb. 28	0315	706	3.72	June 11	2030	a863	4.01
Mar. 12	0415	607	3.52				

a From rating curve extended as explained above.

Minimum discharge, 2.7 ft^3/s, Sept. 30; minimum gage height, 1.01 ft, Aug. 5, 6.

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	26	12	41	e13	e11	118	45	24	21	12	4.3	4.5
2	18	18	35	e12	e10	98	41	22	21	9.8	3.6	4.5
3	15	28	34	e11	e10	66	70	18	19	21	3.6	4.3
4	33	16	44	e43	e9.4	55	263	16	15	17	3.6	7.9
5	22	13	31	e37	e8.4	41	136	16	16	9.8	3.0	5.6
6	18	12	35	e34	e7.6	32	101	15	145	8.0	2.9	4.3
7	15	11	27	e30	e7.2	30	75	13	146	7.2	8.0	3.9
8	13	11	23	e27	e6.8	35	74	12	79	6.5	3.9	3.6
9	18	10	21	24	e6.6	51	124	11	56	6.0	4.3	3.7
10	18	12	23	51	e6.6	79	70	22	41	5.9	26	3.7
11	18	17	24	48	e6.8	132	62	27	131	5.1	6.7	3.4
12	13	11	19	29	e7.0	209	81	31	102	4.5	66	4.2
13	12	11	19	e22	e8.0	114	65	181	100	4.2	23	28
14	29	11	19	e19	e12	83	65	127	84	4.0	24	6.0
15	16	10	33	e18	e150	63	57	91	62	15	25	32
16	14	9.6	30	e17	e100	61	57	63	49	22	61	8.8
17	14	e9.2	20	e16	e70	115	69	47	40	12	24	6.0
18	15	e9.0	17	e15	e45	68	97	51	62	7.2	20	4.8
19	13	9.7	25	e15	e35	55	65	74	44	5.6	18	4.5
20	18	9.1	26	e14	e28	45	56	61	28	5.0	14	4.2
21	15	8.5	42	e14	e25	38	e80	49	45	4.5	12	3.8
22	18	7.9	22	e13	e22	32	e92	49	54	4.4	10	3.4
23	35	10	e20	e13	e22	27	e88	51	27	4.0	14	3.3
24	24	9.2	e19	e12	e28	23	e80	82	23	3.8	12	3.5
25	20	14	e18	e12	e40	28	61	105	29	3.6	8.6	3.3
26	18	62	e18	e12	e60	41	53	62	28	3.4	7.4	3.5
27	17	198	e17	e11	e130	24	52	53	21	5.6	6.6	3.7
28	16	89	e17	e11	348	172	46	45	17	4.2	6.1	3.1
29	15	72	e17	e10	168	91	35	37	16	4.4	5.6	2.9
30	14	52	e16	e10	---	75	29	30	15	5.0	5.2	2.8
31	13	---	e14	e11	---	59	---	24	---	5.1	4.9	---
TOTAL	563	772.2	766	624	1388.4	2160	2289	1509	1536	235.8	437.3	181.2
MEAN	18.2	25.7	24.7	20.1	47.9	69.7	76.3	48.7	51.2	7.61	14.1	6.04
MAX	35	198	44	51	348	209	263	181	146	22	66	32
MIN	12	7.9	14	10	6.6	23	29	11	15	3.4	2.9	2.8
CFSM	1.27	1.80	1.73	1.41	3.35	4.87	5.34	3.40	3.58	.53	.99	.42
IN.	1.46	2.01	1.99	1.62	3.61	5.62	5.95	3.93	4.00	.61	1.14	.47

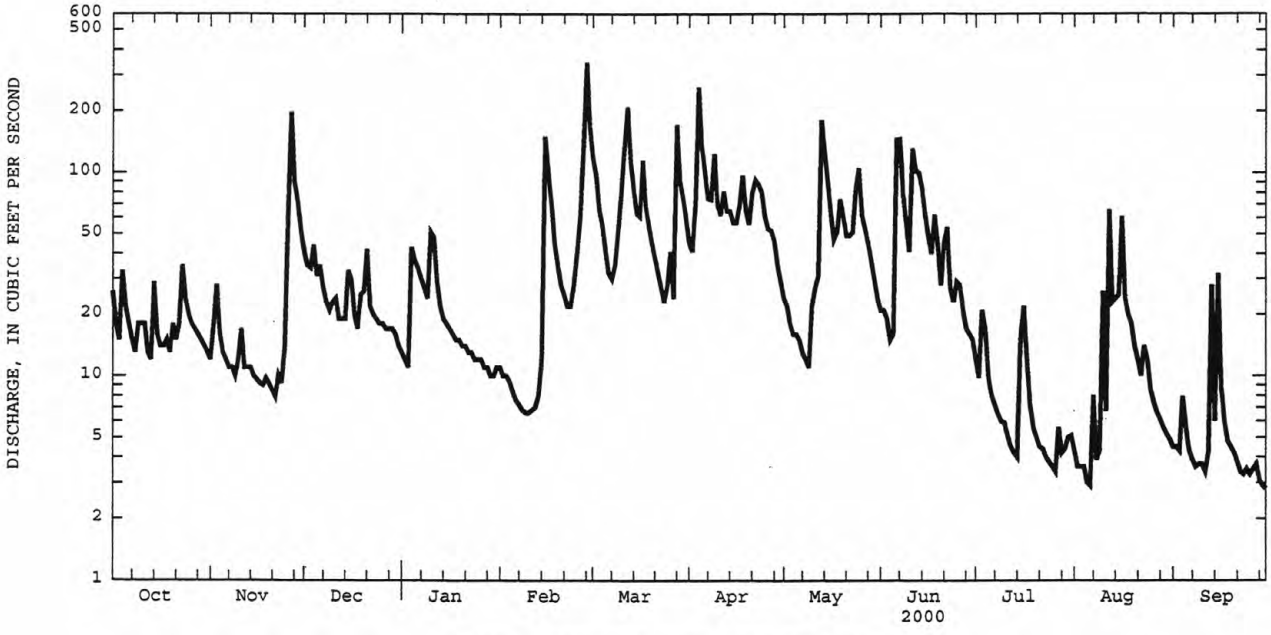
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	7.54	20.5	16.9	55.9	31.5	61.9	52.6	35.2	32.3	20.3	6.34	18.4
MAX	18.2	33.3	24.7	88.2	47.9	75.9	76.3	48.7	51.2	33.8	14.1	47.7
(WY)	2000	1998	2000	1998	2000	1998	2000	2000	2000	1999	2000	1999
MIN	1.99	2.57	5.20	20.1	18.4	40.0	32.0	14.0	4.27	7.61	1.83	1.56
(WY)	1998	1999	1999	2000	1998	1999	1999	1999	1999	2000	1998	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	10053.30		12461.9			
ANNUAL MEAN	27.5		34.0		29.9	
HIGHEST ANNUAL MEAN					34.0	2000
LOWEST ANNUAL MEAN					22.7	1999
HIGHEST DAILY MEAN	534	Jul 4	348	Feb 28	534	Jul 4 1999
LOWEST DAILY MEAN	.56	Sep 5	2.8	Sep 30	.56	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	.96	Aug 8	3.3	Sep 24	.96	Nov 1 1998
ANNUAL RUNOFF (CFSM)	1.93		2.38		2.09	
ANNUAL RUNOFF (INCHES)	26.15		32.42		28.44	
10 PERCENT EXCEEDS	52		80		67	
50 PERCENT EXCEEDS	18		19		16	
90 PERCENT EXCEEDS	2.2		4.5		1.7	

e Estimated

01421618 TOWN BROOK SOUTHEAST OF HOBART, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01421900 WEST BRANCH DELAWARE RIVER UPSTREAM FROM DELHI, NY

LOCATION.--Lat 42°16'49", long 74°54'27", Delaware County, Hydrologic Unit 02040101, on left bank along County Highway 18, 0.6 mi upstream from State Route 28 bridge, and 1.9 mi upstream from Little Delaware River.
DRAINAGE AREA.--134 mi^2.
PERIOD OF RECORD.--February 1937 to September 1970, December 1996 to current year. Water years 1972-74, 1996 (annual maximum only), November 1996 (maximum only). Prior to November 1996, published as West Branch Delaware River at Delhi (01422000).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,360 ft above 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 ft^3/s, Jan. 19, 1996, gage height, 9.8 ft, from floodmark, from rating curve extended above 4,500 ft^3/s on basis of velocity-area studies, at site and datum then in use; minimum discharge, 2.6 ft^3/s, Sept. 25, 1964; minimum gage height since December 1996, 1.78 ft, Sept. 5, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	0800	2,430	6.60	Mar. 12	1200	2,050	6.10
Feb. 28	0415	*4,480	*8.98	Apr. 4	1700	2,590	6.80

Minimum discharge, 31 ft^3/s, Sept. 11, 12; minimum gage height, 2.08 ft, Sept. 30.

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	243	89	470	102	e98	1230	496	255	248	156	53	48
2	167	89	393	102	e94	1060	438	240	226	135	47	47
3	142	180	360	142	e88	777	616	206	281	170	42	45
4	186	127	411	346	e86	617	1760	180	190	303	51	50
5	189	105	352	427	e82	532	1360	169	e170	155	40	57
6	154	96	346	201	e78	432	988	168	e210	121	37	45
7	131	90	303	207	e76	387	753	143	e700	108	70	39
8	117	86	259	194	e72	436	648	132	480	96	59	36
9	148	87	235	186	e70	541	1150	122	394	87	46	35
10	157	84	232	276	70	796	770	151	328	84	359	35
11	187	135	256	567	82	848	655	302	308	76	147	33
12	145	106	212	329	e90	1680	726	268	1070	68	416	34
13	128	96	201	293	e100	1040	625	728	678	61	320	197
14	181	90	201	e220	250	828	639	1080	814	55	212	83
15	166	91	250	e210	604	681	598	680	598	107	227	136
16	139	93	314	e200	388	571	539	543	497	233	300	101
17	130	90	241	e190	294	1050	537	427	431	169	203	69
18	128	86	208	e180	e180	649	830	397	477	106	161	57
19	119	94	182	e170	e240	597	654	608	551	82	147	52
20	135	110	187	e170	210	522	548	628	350	71	125	51
21	142	102	315	e160	189	444	674	507	311	63	109	49
22	120	93	225	e150	179	389	891	501	653	60	98	43
23	160	104	e170	e140	199	343	805	592	352	55	108	41
24	153	103	e160	e140	342	307	729	942	298	51	148	41
25	141	118	e150	e130	706	286	585	1170	263	47	96	41
26	126	326	e150	e130	1130	412	502	832	349	45	80	39
27	116	1930	e140	e120	2390	286	481	667	289	48	71	42
28	109	1010	e130	e110	3800	1110	447	539	227	52	65	40
29	104	747	e120	e110	1900	847	357	443	194	51	59	36
30	99	593	124	e100	---	726	299	360	190	63	55	34
31	93	---	117	e100	---	602	---	293	---	58	52	---
TOTAL	4455	7150	7414	6102	14087	21026	21100	14273	12127	3036	4003	1656
MEAN	144	238	239	197	486	678	703	460	404	97.9	129	55.2
MAX	243	1930	470	567	3800	1680	1760	1170	1070	303	416	197
MIN	93	84	117	100	70	286	299	122	170	45	37	33
CFSM	1.07	1.78	1.78	1.47	3.63	5.06	5.25	3.44	3.02	.73	.96	.41
IN.	1.24	1.98	2.06	1.69	3.91	5.84	5.86	3.96	3.37	.84	1.11	.46

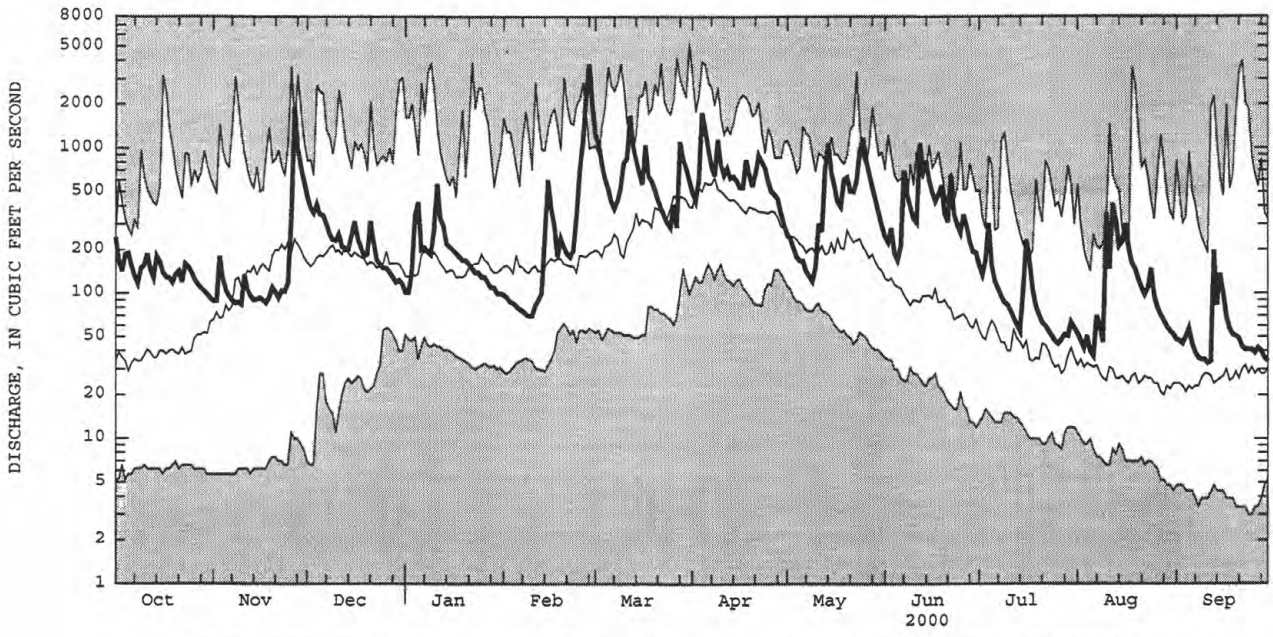
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	89.1	223	259	265	275	482	547	279	151	79.3	61.0	81.4
MAX	492	534	536	708	583	897	1322	637	404	273	427	544
(WY)	1956	1952	1951	1998	1939	1945	1958	1943	2000	1998	1955	1938
MIN	6.14	6.83	45.0	40.9	80.9	137	146	95.2	25.8	15.5	8.52	4.03
(WY)	1965	1965	1999	1961	1940	1965	1946	1939	1964	1962	1964	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	76699		116429			
ANNUAL MEAN	210		318		231	
HIGHEST ANNUAL MEAN					328	1956
LOWEST ANNUAL MEAN					112	1965
HIGHEST DAILY MEAN	2580	Jan 24	3800	Feb 28	5320	Mar 31 1940
LOWEST DAILY MEAN	10	Sep 5	33	Sep 11	3.0	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	11	Sep 1	37	Sep 6	3.3	Sep 20 1964
ANNUAL RUNOFF (CFSM)	1.57		2.37		1.73	
ANNUAL RUNOFF (INCHES)	21.29		32.32		23.46	
10 PERCENT EXCEEDS	436		726		548	
50 PERCENT EXCEEDS	140		182		123	
90 PERCENT EXCEEDS	19		53		19	

e Estimated

01421900 WEST BRANCH DELAWARE RIVER UPSTREAM FROM DELHI, NY--Continued



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

01422389 COULTER BROOK NEAR BOVINA CENTER, NY

LOCATION.--Lat 42°14'19", long 74°44'11", Delaware County, Hydrologic Unit 02040101, on right bank downstream from culvert on Seedorf Road, 2.5 mi upstream from mouth, and 2.5 mi southeast of Bovina Center.
DRAINAGE AREA.--0.76 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,000 ft above sea level, from topographic map.
REMARKS.--Records fair except those below 0.5 ft^3/s and those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21 ft^3/s, Jan. 8, 1998, gage height, 1.75 ft; minimum discharge, 0.01 ft^3/s, Sept. 18, 19, 20, Oct. 1, 2, 3, 4, 5-7, 8, 1998; minimum gage height, 0.32 ft, Sept. 18, 19, 20, Oct. 6, 7, 1998.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1245	*12	*1.53				

Minimum discharge, 0.09 ft^3/s, Aug. 9, gage height, 0.75 ft.

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	1.7	1.1	2.4	e.74	.50	5.4	2.7	1.5	1.2	.53	.14	.26
2	1.7	1.3	2.0	.74	.47	4.0	2.4	1.4	1.1	.44	.13	.23
3	1.6	1.5	1.8	.81	.45	3.2	2.8	1.2	.99	.47	.13	.20
4	1.8	1.5	1.7	1.3	.43	2.7	6.6	1.1	.85	.41	.12	.22
5	1.7	1.5	1.5	e1.5	.42	2.3	7.4	1.1	.75	.36	.12	.20
6	1.6	1.5	1.5	e1.4	.40	2.0	5.6	.94	1.2	.32	.12	.18
7	1.5	1.5	1.4	e1.4	.38	1.8	3.9	.86	1.6	.30	.18	.17
8	1.4	1.4	1.3	e1.4	e.36	2.2	3.4	.81	1.7	.27	.13	.16
9	1.5	1.3	1.2	e1.3	e.38	4.6	3.6	.77	1.5	.25	.15	.16
10	1.5	1.3	1.2	e1.4	.35	8.1	3.0	1.1	1.3	.24	.25	.15
11	1.6	1.2	1.2	e1.6	.36	7.5	2.6	1.3	1.1	.21	.16	.13
12	1.6	1.1	1.1	e1.4	.35	9.3	2.4	2.2	e1.0	.20	.56	.40
13	1.6	1.1	1.1	e1.3	.42	7.3	2.0	3.2	e1.3	.17	.44	.79
14	2.1	1.0	1.1	1.5	1.6	5.2	2.0	4.5	1.4	.16	.49	.36
15	2.0	1.0	1.1	1.4	1.1	3.8	2.3	3.8	1.5	.37	.49	.81
16	2.0	.98	1.2	1.3	1.1	3.3	2.9	3.2	1.4	.47	.52	.68
17	1.9	.92	1.2	e1.4	.97	5.0	3.0	2.7	1.4	.28	.49	.69
18	1.8	.86	1.2	e1.3	.91	4.5	3.1	2.7	1.8	.24	.49	.59
19	1.6	.82	1.1	1.1	.84	3.6	3.0	e2.9	1.5	.21	.48	.49
20	1.6	.83	1.2	1.0	.80	2.9	2.8	e3.0	1.2	.20	.47	.47
21	1.5	.84	e1.2	.88	.75	2.4	3.2	e2.8	1.4	.20	.44	.45
22	1.4	.81	e1.2	.83	.73	1.9	4.0	e3.0	e1.5	.19	.42	.42
23	1.6	.81	e1.2	.76	.76	1.7	4.7	e3.5	e1.1	.18	.56	.41
24	1.6	.83	e1.1	.69	1.0	1.5	4.3	4.1	e.83	.17	.49	.40
25	1.7	.93	e1.0	.68	2.2	1.7	3.7	5.1	e.82	.16	.43	.37
26	1.7	1.6	e1.0	.65	3.4	1.9	3.1	4.5	e.90	.15	.38	.36
27	1.6	6.6	e.90	.60	6.3	1.9	2.7	3.5	e.90	.18	.37	.34
28	1.5	5.4	e.90	.58	10	5.6	2.3	2.7	.74	.23	.33	.31
29	1.4	3.8	e.80	.56	7.6	6.1	1.8	2.2	.67	.18	.31	.30
30	1.3	2.9	e.80	.53	---	4.4	1.6	1.7	.61	.17	.30	.27
31	1.2	---	e.76	e.50	---	3.4	---	1.5	---	.16	.27	---
TOTAL	50.3	48.23	38.36	32.55	45.33	121.2	98.9	74.88	35.26	8.07	10.36	10.97
MEAN	1.62	1.61	1.24	1.05	1.56	3.91	3.30	2.42	1.18	.26	.33	.37
MAX	2.1	6.6	2.4	1.6	10	9.3	7.4	5.1	1.8	.53	.56	.81
MIN	1.2	.81	.76	.50	.35	1.5	1.6	.77	.61	.15	.12	.13
CFSM	2.13	2.12	1.63	1.38	2.06	5.14	4.34	3.18	1.55	.34	.44	.48
IN.	2.46	2.36	1.88	1.59	2.22	5.93	4.84	3.67	1.73	.40	.51	.54

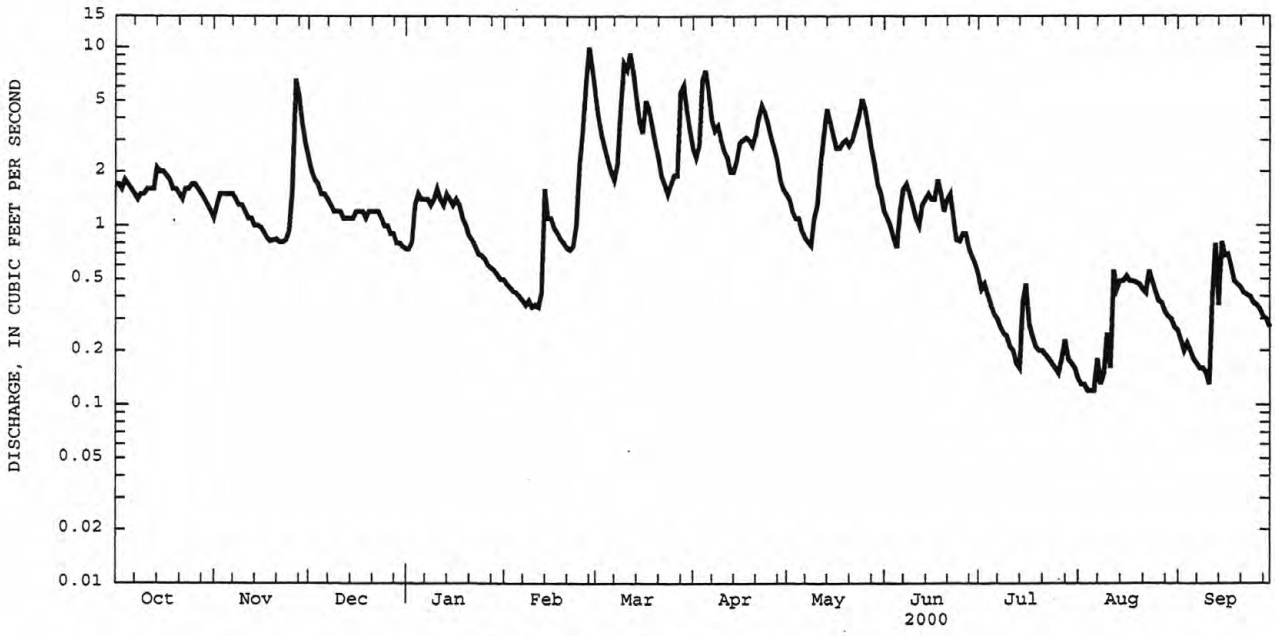
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	.62	1.09	1.00	2.46	1.27	3.00	3.10	1.70	1.50	.91	.15	.64
MAX	1.62	1.61	1.24	3.74	1.56	3.91	3.30	2.42	2.85	2.10	.33	1.52
(WY)	2000	2000	2000	1998	2000	2000	2000	2000	1998	1998	2000	1999
MIN	.11	.27	.65	1.05	.92	1.30	2.99	1.27	.48	.26	.059	.024
(WY)	1998	1999	1999	2000	1998	1999	1998	1999	1999	2000	1999	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	496.51		574.41			
ANNUAL MEAN	1.36		1.57		1.45	
HIGHEST ANNUAL MEAN					1.72	1998
LOWEST ANNUAL MEAN					1.07	1999
HIGHEST DAILY MEAN	13	Jan 24	10	Feb 28	16	Jan 8 1998
LOWEST DAILY MEAN	.02	Aug 23	.12	Aug 4	.01	Sep 19 1998
ANNUAL SEVEN-DAY MINIMUM	.02	Aug 29	.13	Jul 31	.01	Oct 1 1998
ANNUAL RUNOFF (CFSM)	1.79		2.07		1.91	
ANNUAL RUNOFF (INCHES)	24.30		28.12		25.98	
10 PERCENT EXCEEDS	2.5		3.5		3.2	
50 PERCENT EXCEEDS	1.1		1.2		.94	
90 PERCENT EXCEEDS	.07		.23		.06	

e Estimated

01422389 COULTER BROOK NEAR BOVINA CENTER, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01422500 LITTLE DELAWARE RIVER NEAR DELHI, NY

LOCATION.--Lat 42°15'08", long 74°54'07", Delaware County, Hydrologic Unit 02040101, on left bank 10 ft downstream from highway bridge, 0.7 mi downstream from Toll Gate Brook, 1.5 mi upstream from mouth, and 2.0 mi south of Delhi.
DRAINAGE AREA.--49.8 mi^2.
PERIOD OF RECORD.--October 1937 to September 1970, January 1997 to current year. Water years 1972-74, 1996 (annual maximum only), November to December 1996 (maximum only).
GAGE.--Water-stage recorder. Datum of gage is 1,385.35 ft above sea level. Prior to December 7, 1939, non-recording gages at several temporary sites within a quarter of a mile of present site at various datums.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,100 ft^3/s, Jan. 19, 1996, gage height, 8.51 ft, from floodmark, from rating curve extended above 1,600 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.8 ft^3/s, Aug. 10, 11, 12, Sept. 24, 25, 1964; minimum gage height, 1.29 ft, Sept. 24, 25, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	--	a*1,300	b*5.50				

a About.
b Ice jam.

Minimum discharge, 6.2 ft^3/s, Sept. 11, 12, gage height, 2.14 ft.

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	115	45	191	e48	e54	413	183	97	90	47	14	8.6
2	82	49	163	e44	e50	344	166	89	94	40	12	8.5
3	71	97	146	e40	e48	264	241	77	93	43	11	8.3
4	117	60	157	e70	e45	214	690	68	68	54	10	9.0
5	97	54	126	106	e40	183	524	65	63	36	8.9	8.6
6	79	52	130	79	e35	156	372	66	132	29	8.6	7.7
7	69	50	111	66	e33	145	277	55	252	26	17	7.2
8	63	48	96	e56	e32	164	245	49	138	24	12	6.8
9	83	47	85	e54	e31	207	366	46	123	21	9.7	7.0
10	85	47	85	e80	e31	304	250	87	105	20	40	7.3
11	94	55	91	e140	e32	365	222	128	92	18	17	6.5
12	72	45	73	e100	e34	591	231	133	240	15	44	8.5
13	67	43	69	e88	e38	394	210	191	198	14	35	73
14	114	42	73	e80	e60	304	204	258	191	13	24	21
15	87	41	106	e76	e250	247	191	199	167	45	31	59
16	78	40	114	e74	e150	220	186	171	147	75	29	31
17	74	39	91	e72	e120	345	194	142	127	42	22	22
18	72	37	81	e70	e100	241	262	154	158	27	19	18
19	65	40	80	e68	e94	219	208	216	151	21	17	16
20	76	43	79	e66	e86	192	194	189	109	18	15	15
21	68	39	126	e62	e76	168	241	172	110	16	14	14
22	62	37	88	e58	e78	149	268	176	192	15	13	13
23	88	43	e78	e56	e90	132	262	200	116	14	15	12
24	74	42	e72	e56	e120	120	241	327	102	13	23	12
25	67	52	e66	e56	e180	115	206	377	97	12	15	12
26	62	194	e64	e56	e250	132	183	283	102	12	12	12
27	59	821	e62	e56	e400	106	172	230	88	15	14	13
28	56	442	e60	e54	e860	378	156	187	73	15	11	11
29	53	307	e60	e54	603	290	131	155	62	13	9.9	9.9
30	50	238	e56	e54	---	258	112	128	55	16	9.4	9.6
31	47	---	e52	e52	---	217	---	106	---	15	9.2	---
TOTAL	2346	3189	2931	2091	4020	7577	7388	4821	3735	784	541.7	467.5
MEAN	75.7	106	94.5	67.5	139	244	246	156	124	25.3	17.5	15.6
MAX	117	821	191	140	860	591	690	377	252	75	44	73
MIN	47	37	52	40	31	106	112	46	55	12	8.6	6.5
CFSM	1.52	2.13	1.90	1.35	2.78	4.91	4.95	3.12	2.50	.51	.35	.31
IN.	1.75	2.38	2.19	1.56	3.00	5.66	5.52	3.60	2.79	.59	.40	.35

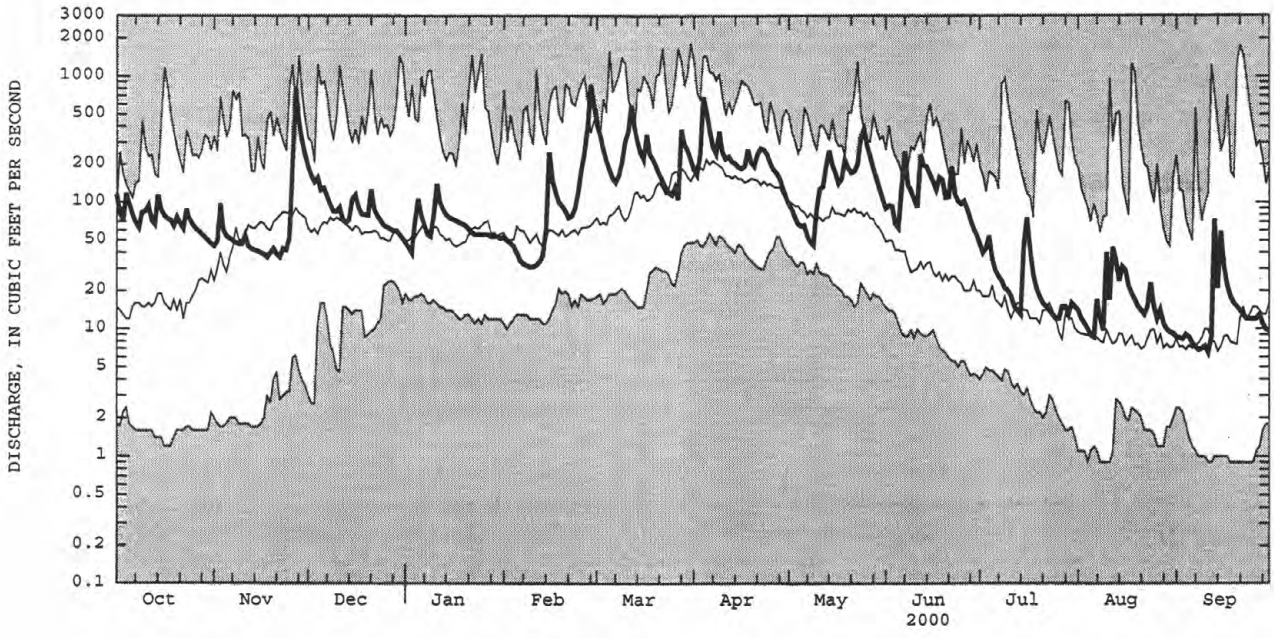
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

MEAN	38.4	90.1	101	100	99.2	178	209	106	55.3	34.1	19.9	32.5
MAX	203	227	200	265	224	346	490	240	157	173	139	235
(WY)	1956	1960	1951	1998	1939	1945	1958	1943	1998	1998	1955	1938
MIN	1.63	2.73	27.4	16.2	26.8	54.3	53.0	32.4	9.91	4.57	2.55	1.29
(WY)	1965	1965	1965	1961	1963	1965	1946	1939	1964	1965	1964	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1938 - 2000	
ANNUAL TOTAL	32373.5		39891.2			
ANNUAL MEAN	88.7		109		88.5	
HIGHEST ANNUAL MEAN					131	1960
LOWEST ANNUAL MEAN					42.2	1965
HIGHEST DAILY MEAN	960	Jan 24	860	Feb 28	1820	Mar 31 1940
LOWEST DAILY MEAN	2.5	Sep 5	6.5	Sep 11	.90	Aug 4 1964
ANNUAL SEVEN-DAY MINIMUM	3.5	Aug 31	7.3	Sep 6	.90	Sep 18 1964
ANNUAL RUNOFF (CFSM)	1.78		2.19		1.78	
ANNUAL RUNOFF (INCHES)	24.18		29.80		24.15	
10 PERCENT EXCEEDS	180		242		205	
50 PERCENT EXCEEDS	67		72		46	
90 PERCENT EXCEEDS	6.6		13		6.0	

e Estimated

01422500 LITTLE DELAWARE RIVER NEAR DELHI, NY--Continued



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

01422738 WOLF CREEK AT MUNDALE, NY

LOCATION.--Lat 42°15'34", long 75°02'32", Delaware County, Hydrologic Unit 02040101, on left bank 6 ft downstream from culvert on Munn Road, and 8 mi northeast of Walton.
DRAINAGE AREA.--0.61 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
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 ft^3/s and those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22 ft^3/s, Feb. 28, 2000, gage height, 2.35 ft; minimum, no flow part or all of many days during July to September 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0015	*22	*2.35	Apr. 4	0615	21	2.33
Mar. 12	0330	12	2.08	May 24	0430	14	2.16

Minimum discharge, 0.03 ft^3/s, Sept. 8, gage height, 1.29 ft.

REVISIONS.--The maximum discharge for the 1999 water year has been revised to 20 ft^3/s, Jan. 18, 1999, gage height, 2.31 ft. This figure supersedes that published in the report for 1999.

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

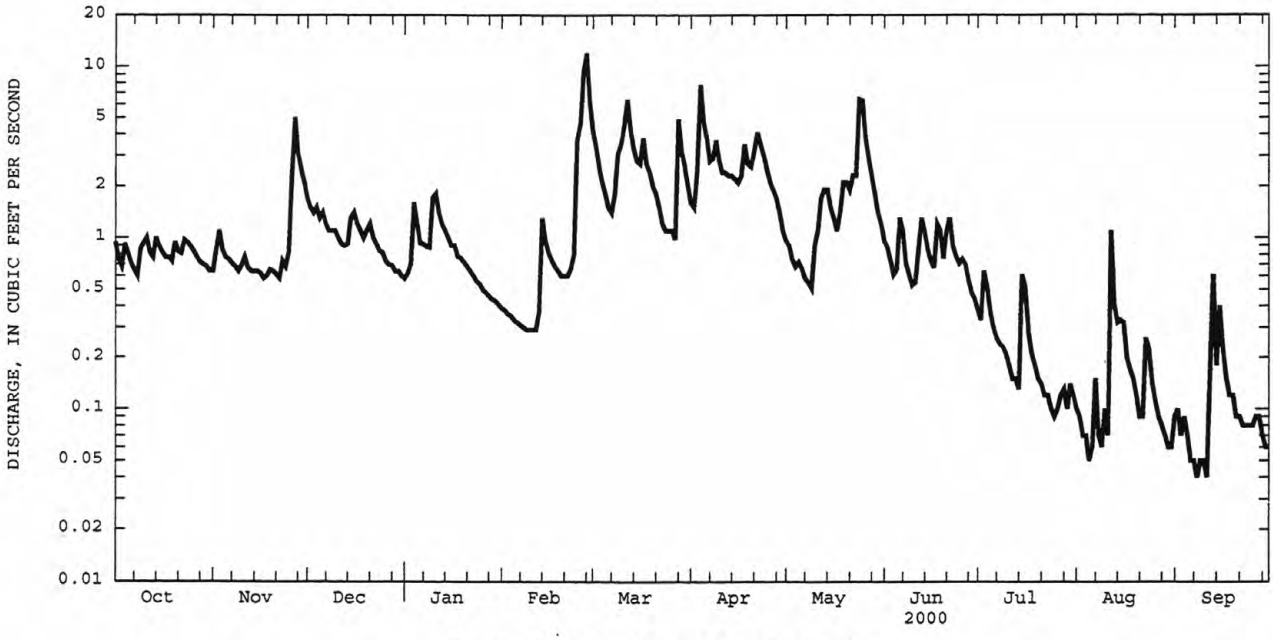
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.94	.64	1.7	.58	e.39	4.2	1.6	.96	.96	.38	.10	.09
2	.75	.85	1.5	.62	e.38	3.4	1.5	.90	.88	.33	.09	.10
3	.68	1.1	1.4	.71	e.36	2.6	2.5	.75	.74	.64	.07	.07
4	.92	.85	1.5	1.6	e.35	2.1	7.8	.68	.61	.52	.07	.09
5	.81	.77	1.3	1.2	e.33	1.8	4.7	.72	.65	.37	.05	.07
6	.71	.75	1.4	.93	e.32	1.5	3.8	.66	1.3	.30	.06	.05
7	.65	.71	1.2	.92	e.31	1.4	2.8	.58	1.1	.26	.15	.05
8	.60	.68	1.1	.89	e.30	1.8	2.9	.55	.71	.24	.07	.04
9	.86	.64	1.1	.88	e.29	3.1	3.7	.51	.61	.23	.06	.05
10	.93	.69	1.1	1.7	e.29	3.5	2.8	.90	.53	.21	.10	.05
11	1.0	.77	1.0	1.8	e.29	4.5	2.4	1.1	.55	.18	.07	.04
12	.82	.67	.92	1.4	e.29	6.4	2.4	1.7	.86	.15	1.1	.17
13	.77	.64	.90	e1.2	e.37	4.2	2.3	1.9	1.3	.15	.41	.61
14	1.0	.64	.92	e1.1	e1.3	3.3	2.3	1.9	1.1	.13	.32	.18
15	.89	.64	1.3	e1.0	e.96	2.8	2.2	1.5	.86	.61	.33	.40
16	.82	.62	1.4	e.90	e.82	2.7	2.1	1.3	.74	.52	.32	.22
17	.77	.58	1.2	e.90	e.74	3.8	2.3	1.1	.67	.28	.20	.15
18	.77	.60	1.1	e.78	e.68	2.7	3.5	1.4	1.2	.21	.17	.12
19	.73	.65	1.0	e.76	e.64	2.4	2.7	2.1	1.1	.18	.15	.12
20	.94	.64	1.1	e.72	e.60	2.0	2.6	2.1	.76	.15	.12	.09
21	.83	.61	1.2	e.68	e.60	1.8	3.2	1.9	1.1	.14	.09	.09
22	.81	.58	1.0	e.64	e.60	1.5	4.1	2.3	1.3	.12	.09	.08
23	.97	.73	.92	e.60	e.66	1.2	3.5	2.3	.90	.12	.26	.08
24	.94	.68	.84	e.56	e.80	1.1	3.0	6.4	.78	.10	.22	.08
25	.89	.82	.82	e.54	3.7	1.1	2.5	6.3	.71	.09	.14	.08
26	.83	2.3	.73	e.50	4.6	1.1	2.1	3.8	.75	.10	.11	.09
27	.77	5.0	.70	e.48	9.3	.98	1.9	2.9	.70	.12	.09	.09
28	.72	3.1	.69	e.46	12	4.9	1.7	2.3	.57	.13	.08	.07
29	.70	2.5	.64	e.44	6.1	3.2	1.4	1.8	.48	.10	.07	.06
30	.68	2.1	.64	e.43	---	2.6	1.1	1.4	.44	.14	.06	.06
31	.64	---	.60	e.41	---	2.0	---	1.2	---	.12	.06	---
TOTAL	25.14	32.55	32.92	26.33	48.37	81.68	83.4	55.91	24.96	7.32	5.28	3.54
MEAN	.81	1.08	1.06	.85	1.67	2.63	2.78	1.80	.83	.24	.17	.12
MAX	1.0	5.0	1.7	1.8	12	6.4	7.8	6.4	1.3	.64	1.1	.61
MIN	.60	.58	.60	.41	.29	.98	1.1	.51	.44	.09	.05	.04
CFSM	1.33	1.78	1.74	1.39	2.73	4.32	4.56	2.96	1.36	.39	.28	.19
IN.	1.53	1.99	2.01	1.61	2.95	4.98	5.09	3.41	1.52	.45	.32	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	.47	.60	.70	1.64	1.42	2.12	1.99	1.16	.48	.15	.093	.29
MAX	.81	1.09	1.06	2.42	1.67	2.63	2.78	1.80	.83	.24	.17	.46
(WY)	2000	2000	2000	1999	2000	2000	2000	2000	2000	2000	2000	1999
MIN	.13	.11	.34	.85	1.16	1.60	1.20	.52	.13	.065	.016	.12
(WY)	1999	1999	1999	2000	1999	1999	1999	1999	1999	1999	1999	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	319.78		427.40			
ANNUAL MEAN	.88		1.17		.92	
HIGHEST ANNUAL MEAN					1.17	2000
LOWEST ANNUAL MEAN					.68	1999
HIGHEST DAILY MEAN	12	Jan 24	12	Feb 28	12	Jan 24 1999
LOWEST DAILY MEAN	.00	Aug 17	.04	Sep 8	.00	Aug 17 1999
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 30	.05	Sep 5	.00	Aug 30 1999
ANNUAL RUNOFF (CFSM)	1.44		1.91		1.51	
ANNUAL RUNOFF (INCHES)	19.50		26.06		20.55	
10 PERCENT EXCEEDS	1.8		2.7		2.3	
50 PERCENT EXCEEDS	.69		.75		.60	
90 PERCENT EXCEEDS	.02		.09		.06	

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01422747 EAST BROOK EAST OF WALTON, NY

LOCATION.--Lat 42°10'22", long 75°07'18", Delaware County, Hydrologic Unit 02040101, on right bank 150 ft downstream from bridge on East Street, in Walton, and 0.55 mi upstream from mouth (at West Branch Delaware River).
DRAINAGE AREA.--24.7 mi^2.
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,240 ft above 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 ft^3/s, Jan. 18, 1999, Feb. 28, 2000; maximum gage height, 4.89 ft, Jan. 18, 1999; minimum discharge, 1.1 ft^3/s, Sept. 5, 1999, gage height, 1.41 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0345	*1,130	*4.88	May 24	0630	535	3.87
Apr. 4	0815	645	4.09				

Minimum discharge, 3.7 ft^3/s, Aug. 5, 6, 9, gage height, 1.57 ft.

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	36	17	69	20	e17	194	82	45	47	24	5.5	5.6
2	29	19	59	20	e16	163	75	42	41	21	5.1	6.2
3	26	39	54	22	e15	126	114	36	36	26	4.7	5.6
4	32	29	56	49	e15	104	326	32	30	30	4.2	7.0
5	30	26	50	e40	e14	89	231	30	29	20	3.9	6.3
6	27	26	49	e32	e14	76	169	29	44	17	3.8	5.4
7	24	25	44	e31	e13	70	127	26	48	15	7.2	4.8
8	21	23	40	e31	e13	80	114	23	32	13	5.2	4.5
9	26	23	37	e31	e12	106	169	23	27	12	4.2	4.7
10	28	22	37	53	e12	137	125	43	23	12	4.7	4.8
11	32	26	37	77	e12	160	110	57	22	11	4.2	4.4
12	27	22	33	56	e12	260	113	79	104	9.5	80	5.2
13	26	21	31	e52	e15	178	105	103	101	8.6	38	25
14	31	21	32	e50	e54	141	102	125	95	7.9	26	11
15	28	21	46	e46	e42	115	95	93	77	14	26	18
16	25	20	e50	e42	e35	105	89	77	63	16	20	14
17	24	19	e45	e37	e31	173	88	63	53	12	16	11
18	23	18	e39	e33	e29	121	144	67	68	9.4	14	9.4
19	21	18	e35	e31	e27	108	123	101	68	8.1	12	8.5
20	24	19	e37	e30	e25	92	110	100	50	7.3	11	8.0
21	23	18	e40	e29	e25	80	130	92	54	6.7	9.4	7.7
22	22	17	e36	e27	e25	69	159	96	82	6.4	8.6	7.1
23	25	19	e32	e26	e28	61	152	111	55	5.8	13	6.5
24	25	19	e30	e24	e33	55	135	284	47	5.4	15	6.8
25	24	23	e29	e23	132	52	111	280	45	5.2	11	6.5
26	23	57	e27	e21	199	54	94	192	51	4.9	9.0	6.6
27	21	227	e25	e20	467	46	81	142	43	6.7	8.0	7.0
28	20	139	e24	e20	635	169	73	108	36	7.5	7.3	6.1
29	19	107	e23	e19	276	136	61	85	31	5.8	6.7	5.6
30	18	85	23	e18	---	118	51	68	27	6.0	6.2	5.4
31	18	---	22	e17	---	99	---	55	---	6.3	5.8	---
TOTAL	778	1165	1191	1027	2243	3537	3658	2707	1529	360.5	395.7	234.7
MEAN	25.1	38.8	38.4	33.1	77.3	114	122	87.3	51.0	11.6	12.8	7.82
MAX	36	227	69	77	635	260	326	284	104	30	80	25
MIN	18	17	22	17	12	46	51	23	22	4.9	3.8	4.4
CFSM	1.02	1.57	1.56	1.34	3.13	4.62	4.94	3.54	2.06	.47	.52	.32
IN.	1.17	1.75	1.79	1.55	3.38	5.33	5.51	4.08	2.30	.54	.60	.35

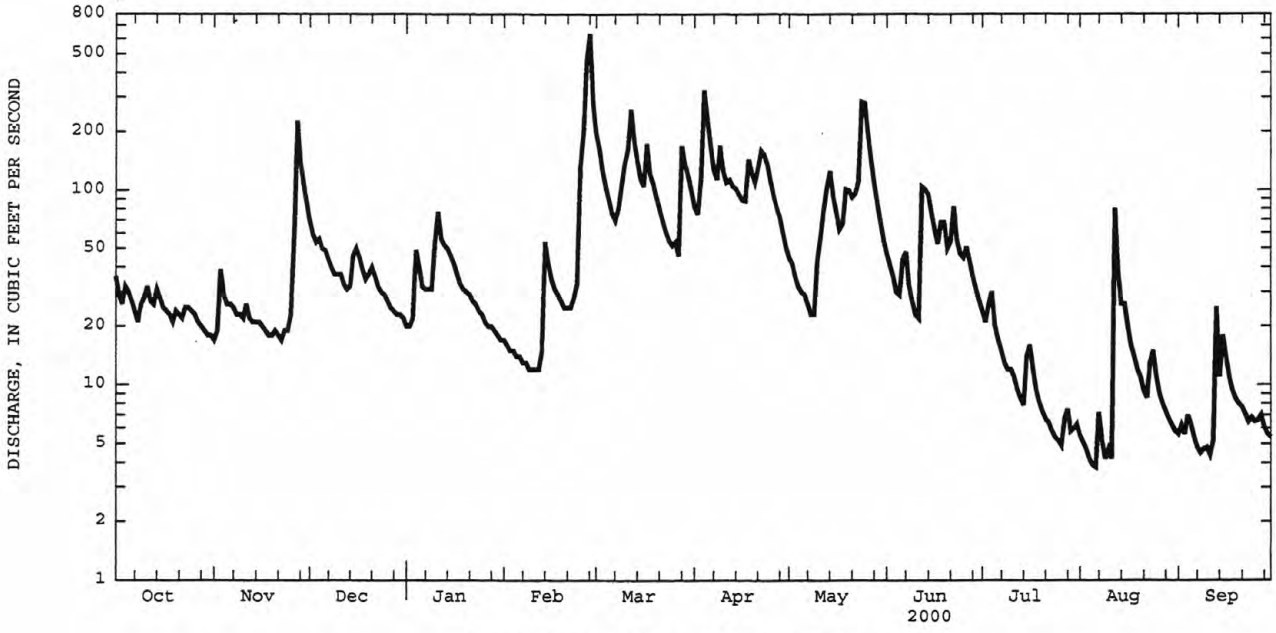
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	15.2	21.5	24.2	63.0	62.0	92.7	88.5	55.2	29.1	8.29	7.26	14.0
MAX	25.1	38.8	38.4	92.9	77.3	114	122	87.3	51.0	11.6	12.8	20.1
(WY)	2000	2000	2000	1999	2000	2000	2000	2000	2000	2000	2000	1999
MIN	5.33	4.12	9.88	33.1	46.1	71.3	55.1	23.1	7.17	4.94	1.76	7.82
(WY)	1999	1999	1999	2000	1999	1999	1999	1999	1999	1999	1999	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	12906.4		18825.9			
ANNUAL MEAN	35.4		51.4		39.9	
HIGHEST ANNUAL MEAN					51.4	2000
LOWEST ANNUAL MEAN					28.4	1999
HIGHEST DAILY MEAN	494	Jan 24	635	Feb 28	635	Feb 28 2000
LOWEST DAILY MEAN	1.2	Sep 5	3.8	Aug 6	1.2	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 2	4.7	Aug 3	1.4	Aug 2 1999
ANNUAL RUNOFF (CFSM)	1.43		2.08		1.62	
ANNUAL RUNOFF (INCHES)	19.44		28.35		21.97	
10 PERCENT EXCEEDS	74		119		101	
50 PERCENT EXCEEDS	25		29		23	
90 PERCENT EXCEEDS	1.8		6.6		2.6	

e Estimated

01422747 EAST BROOK EAST OF WALTON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01423000 WEST BRANCH DELAWARE RIVER AT WALTON, NY

LOCATION.--Lat 42°09'58", long 75°08'25", Delaware County, Hydrologic Unit 02040101, on left bank at west end of fairgrounds at Walton, and 100 ft downstream from West Brook.
DRAINAGE AREA.--332 mi^2.
PERIOD OF RECORD.--October 1950 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,190.30 ft above sea level.
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, 25,000 ft^3/s, Jan. 19, 1996, gage height, 16.36 ft, from rating curve extended above 8,800 ft^3/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 4.7 mi downstream; minimum discharge, 12 ft^3/s, Sept. 15, Nov. 22, 1964; minimum gage height, 1.86 ft, Nov. 22, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	1030	4,880	8.71	Apr. 4	1600	5,380	9.02
Feb. 28	1015	*11,900	*12.19				

Minimum discharge, 77 ft^3/s, Sept. 12, gage height, 2.78 ft.

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	687	253	1180	e280	e270	3070	1250	629	643	365	129	105
2	469	258	986	e270	286	2490	1080	574	556	316	121	104
3	402	461	886	327	e270	1880	1450	502	612	319	111	100
4	451	386	907	579	e250	1510	4020	435	468	567	104	109
5	523	331	857	936	e230	1310	3790	398	411	355	103	111
6	428	309	786	529	e220	1080	2580	394	577	274	94	102
7	380	295	746	e470	e210	946	1930	346	1560	246	123	92
8	342	283	643	e450	e200	1020	1620	312	882	224	138	84
9	372	274	583	e460	e200	1280	2550	299	713	207	108	85
10	416	270	561	550	e190	1960	1880	424	605	198	304	83
11	485	319	606	1240	e200	2000	1620	778	516	183	221	80
12	417	306	531	844	e210	3990	1650	798	1750	169	655	87
13	374	276	494	e640	e220	2740	1480	1320	1350	157	739	337
14	437	263	495	e560	e450	2120	1460	2160	1680	147	405	226
15	466	262	602	e500	e1200	1720	1380	1560	1280	184	400	242
16	397	260	781	e450	1030	1440	1270	1280	1070	448	389	260
17	372	253	668	e410	835	2390	1220	1030	913	342	370	181
18	359	240	593	e390	677	1680	1870	937	924	241	270	152
19	339	240	538	e380	e600	1530	1670	1390	1230	193	244	135
20	351	265	525	e370	e540	1330	1420	1480	813	170	217	127
21	380	262	707	e350	e500	1130	1570	1310	699	157	192	119
22	336	244	610	e330	e480	981	2090	1260	1310	148	174	113
23	371	250	517	e320	e520	860	2030	1510	849	140	185	104
24	408	263	e420	e320	e600	764	1870	2770	705	130	246	103
25	370	279	e380	e300	1380	701	1520	3220	631	123	192	101
26	343	508	e360	e290	2500	857	1300	2420	741	118	159	101
27	321	4090	e340	e290	5130	683	1150	1860	682	131	143	101
28	304	2680	e340	e280	10300	2180	1090	1470	552	162	134	98
29	291	1890	e340	e280	5050	2150	890	1190	456	131	124	91
30	280	1490	e320	e270	---	1820	743	955	421	135	117	84
31	264	---	e300	e270	---	1500	---	772	---	140	111	---
TOTAL	12135	17760	18602	13935	34748	51112	51443	35783	25599	6820	7022	3817
MEAN	391	592	600	450	1198	1649	1715	1154	853	220	227	127
MAX	687	4090	1180	1240	10300	3990	4020	3220	1750	567	739	337
MIN	264	240	300	270	190	683	743	299	411	118	94	80
CFSM	1.18	1.78	1.81	1.35	3.61	4.97	5.16	3.48	2.57	.66	.68	.38
IN.	1.36	1.99	2.08	1.56	3.89	5.73	5.76	4.01	2.87	.76	.79	.43

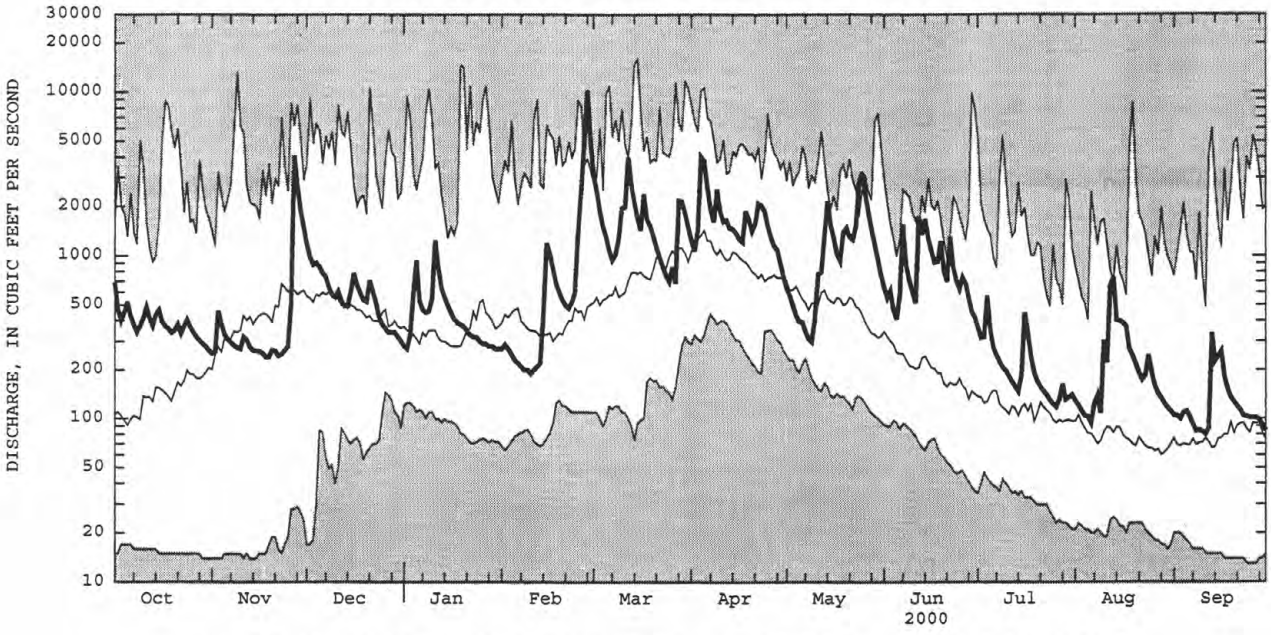
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2000, BY WATER YEAR (WY)

MEAN	340	628	723	651	682	1120	1279	684	357	204	147	198
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951 - 2000	
ANNUAL TOTAL	189168		278776			
ANNUAL MEAN	518		762		583	
HIGHEST ANNUAL MEAN					833	1976
LOWEST ANNUAL MEAN					263	1965
HIGHEST DAILY MEAN	6620	Jan 24	10300	Feb 28	16000	Mar 15 1986
LOWEST DAILY MEAN	24	Sep 5	80	Sep 11	13	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	27	Sep 2	88	Sep 6	13	Sep 21 1964
ANNUAL RUNOFF (CFSM)	1.56		2.29		1.76	
ANNUAL RUNOFF (INCHES)	21.20		31.24		23.87	
10 PERCENT EXCEEDS	1100		1690		1340	
50 PERCENT EXCEEDS	360		432		311	
90 PERCENT EXCEEDS	47		130		56	

e Estimated

01423000 WEST BRANCH DELAWARE RIVER AT WALTON, NY--Continued



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

0142400103 TROUT CREEK NEAR TROUT CREEK, NY

LOCATION.--Lat 42°10'25", long 75°16'47", Delaware County, Hydrologic Unit 02040101, on right bank downstream from bridge on Bullock Hill Road, 0.4 mi upstream from mouth, and 2.1 mi south of Trout Creek.
DRAINAGE AREA.--20.2 mi^2.
PERIOD OF RECORD.--June 1952 to June 1967, December 1996 to current year. Water year 1996 (annual maximum only), November 1996 (maximum only). Prior to November 1996, published as Trout Creek near Rockroyal (01424000).
REVISED RECORDS.--WDR NY-98-1: 1997(P).
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 ft^3/s, Jan. 19, 1996, gage height, 7.24 ft, from floodmarks, present site and datum (10.06 ft, from floodmark in gage house, site and datum then in use), from rating curve extended above 900 ft^3/s on basis of contracted-opening measurement at gage height 7.03 ft (site and datum then in use); minimum discharge, 0.1 ft^3/s, Sept. 5, 23, 24, 25, 26, 27, Oct. 1, 2, 1964; minimum gage height since December 1996, 0.82 ft, Aug. 12, 13, 1997, but may have been less during period of estimated record Aug. 6 to Sept. 16, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0300	*845	*5.66	May 24	0545	816	5.57

Minimum discharge, 1.2 ft^3/s, Aug. 30, 31, Sept. 1, 2-3, 4, 8, 9; minimum gage height, 1.02 ft, Sept. 1, 2, 3.

REVISIONS.--Revised figures of daily discharge for the water year 1999, superseding those published in the report for 1999, are given below.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	e1.9	e4.6	e6.0	e37	28	e86	27	12	3.4	.67	e.54
2	1.2	e1.9	e4.3	e8.0	93	22	e80	24	11	5.2	.60	e.52
3	1.2	e2.0	e4.1	e12	75	34	e76	21	10	4.4	.59	e.50
4	1.0	e1.9	e3.9	e18	59	170	e70	20	9.1	14	.59	e.50
5	1.1	e1.8	e3.7	e13	52	90	60	18	7.7	6.1	.51	e.52
6	1.1	e1.8	e3.7	e10	47	78	52	16	7.1	4.4	e.56	e.56
7	1.1	e1.9	e3.6	e11	44	62	45	15	6.2	4.5	e.58	e.60
8	e15	e1.9	e3.7	e16	e38	e50	38	39	5.6	3.1	e.60	e.54
9	e10	e1.9	e3.9	e40	e36	e43	43	34	5.1	4.0	e.58	e.50
10	e18	e2.0	e4.4	e75	e35	e39	39	24	4.9	32	e.56	e.50
11	e14	e2.5	e4.1	e52	e31	e35	33	21	4.4	7.7	e.56	e.52
12	e8.0	e3.2	e3.8	e40	e49	31	48	20	3.8	5.1	e.54	e.52
13	e5.6	e2.9	e3.5	e37	e53	28	42	19	3.6	3.9	e.52	e.50
14	e20	e2.8	e3.3	e35	e34	27	36	17	3.4	3.2	e.56	e.52
15	e10	e2.6	e3.2	e37	e36	27	34	15	3.8	2.8	e1.0	e.58
16	e8.0	e2.5	e3.2	e40	e38	27	38	14	3.1	2.6	e1.8	e20
17	e7.0	e2.4	e3.3	e45	e36	42	50	13	3.5	2.1	e1.3	139
18	e5.0	e2.3	e3.3	e100	e35	49	50	11	4.7	1.8	e1.0	34
19	e4.1	e2.3	e3.2	199	e33	43	45	32	3.4	2.0	e.70	26
20	e3.5	e2.6	e3.1	121	e31	40	45	23	3.4	2.1	e.60	29
21	e3.0	e3.5	e7.0	97	e28	44	41	16	3.1	1.6	e.70	89
22	e2.6	e4.0	e25	112	e26	145	40	14	2.8	1.4	e.90	158
23	e2.4	e3.6	e16	217	e20	98	64	18	2.6	1.2	e1.2	100
24	e2.0	e3.3	e12	500	e19	e74	61	30	2.4	1.2	e.80	71
25	e2.0	e3.1	e10	244	e16	e68	52	32	2.6	1.2	e.64	58
26	e1.9	e3.8	e9.2	156	e18	e70	49	26	2.9	1.0	e.62	52
27	e1.8	e4.5	e9.0	118	e15	e80	44	25	2.3	1.0	e.70	53
28	e2.0	e5.4	e8.8	98	19	e90	39	22	7.1	.86	e.82	45
29	e2.5	e5.2	e8.4	76	---	e100	35	18	8.8	.91	e1.0	47
30	e2.3	e4.9	e7.4	58	---	e98	31	15	5.5	.85	e.70	94
31	e2.2	---	e6.4	e40	---	e92	---	14	---	.73	e.60	---
TOTAL	160.8	86.4	193.1	2631.0	1053	1924	1466	653	155.9	126.35	23.10	1022.92
MEAN	5.19	2.88	6.23	84.9	37.6	62.1	48.9	21.1	5.20	4.08	.75	34.1
MAX	20	5.4	25	500	93	170	86	39	12	32	1.8	158
MIN	1.0	1.8	3.1	6.0	15	22	31	11	2.3	.73	.51	.50
CFSM	.26	.14	.31	4.20	1.86	3.07	2.42	1.04	.26	.20	.04	1.69
IN.	.30	.16	.36	4.85	1.94	3.54	2.70	1.20	.29	.23	.04	1.88

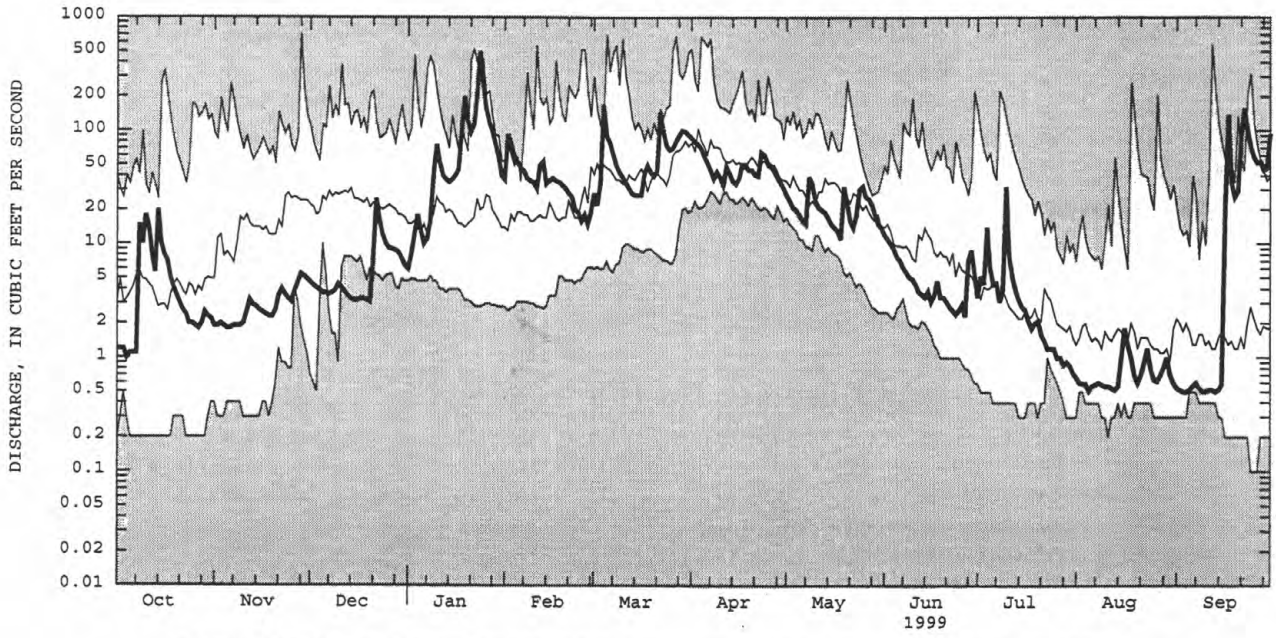
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1999, BY WATER YEAR (WY)

MEAN	12.5	25.7	32.0	39.2	37.4	66.3	78.4	31.8	15.8	7.24	4.45	10.3
MAX	63.9	102	68.0	89.7	74.8	131	181	56.4	36.2	50.5	29.1	52.8
(WY)	1956	1960	1960	1998	1961	1964	1958	1958	1960	1998	1955	1960
MIN	.24	.78	6.23	3.79	9.96	24.4	36.0	10.1	2.00	.54	.47	.48
(WY)	1965	1965	1999	1961	1963	1965	1966	1962	1962	1962	1964	1964

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1953 - 1999	
ANNUAL TOTAL	13293.96		9495.57			
ANNUAL MEAN	36.4		26.0		30.5	
HIGHEST ANNUAL MEAN					46.7	1960
LOWEST ANNUAL MEAN					15.0	1965
HIGHEST DAILY MEAN	448	Jan 8	500	Jan 24	715	Nov 28 1959
LOWEST DAILY MEAN	.73	Aug 30	.50	Sep 3	.10	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	.85	Aug 25	.51	Sep 8	.16	Sep 20 1964
ANNUAL RUNOFF (CFSM)	1.80		1.29		1.51	
ANNUAL RUNOFF (INCHES)	24.48		17.49		20.49	
10 PERCENT EXCEEDS	91		70		73	
50 PERCENT EXCEEDS	17		8.8		14	
90 PERCENT EXCEEDS	1.4		.70		1.1	

e Estimated

0142400103 TROUT CREEK NEAR TROUT CREEK, NY--Continued



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

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	33	9.7	e56	8.2	e12	141	64	34	41	16	4.1	1.2
2	22	e11	e50	7.9	e12	118	59	31	34	14	3.6	1.2
3	18	e25	e42	14	e13	96	93	25	28	28	3.2	1.2
4	26	e20	e45	e18	12	79	291	21	23	26	2.8	3.4
5	23	e18	e40	e35	10	68	199	19	22	15	2.4	2.4
6	18	e16	e39	e32	9.6	58	144	16	55	12	2.1	1.7
7	14	e15	e38	e29	9.5	55	110	14	58	10	6.0	1.4
8	12	e15	37	e27	7.4	64	108	13	30	9.0	3.6	1.3
9	e18	e14	32	e25	8.7	88	144	14	24	8.2	2.6	1.9
10	e20	e14	32	e30	7.9	104	112	37	20	7.8	4.6	3.4
11	e22	e22	31	e45	e8.0	117	100	49	22	6.7	3.2	2.9
12	17	e16	25	e40	e9.0	145	100	93	193	5.8	11	3.6
13	16	e15	21	e35	e10	115	91	121	158	5.3	8.7	34
14	e25	e14	25	e31	e80	98	87	133	142	5.2	5.1	8.4
15	e21	e13	e35	e28	e50	82	82	99	115	20	5.1	12
16	19	e13	e45	e25	e40	76	78	77	89	13	5.5	8.9
17	e17	13	e35	e23	e35	113	77	59	71	8.1	5.1	7.3
18	e15	e12	e30	e21	e30	86	144	68	91	6.6	3.1	7.9
19	13	e12	e27	e19	e25	78	129	106	85	5.7	2.8	8.5
20	e17	e14	e25	e18	e23	67	113	98	60	5.2	2.3	7.6
21	15	e13	e35	e17	e21	58	121	89	65	4.7	2.0	6.6
22	e14	e12	e30	e17	e22	50	139	101	79	4.5	1.8	4.9
23	e17	e13	e26	e16	e25	43	140	112	53	4.0	4.6	4.6
24	e17	e14	24	e15	e40	38	125	385	44	3.8	6.1	5.9
25	e16	16	19	e15	e70	36	104	278	40	3.6	3.8	4.9
26	e15	82	e18	e15	e150	36	87	183	45	3.4	2.8	3.9
27	e14	195	e16	e14	e350	30	74	141	35	3.9	2.3	4.2
28	e13	128	e14	e14	470	141	66	109	28	4.0	2.0	3.3
29	e12	e90	e14	e14	195	112	52	85	23	3.6	1.6	3.4
30	e11	e70	e13	e13	---	94	41	66	19	4.2	1.5	2.9
31	e11	---	e13	e13	---	78	---	51	---	4.6	1.3	---
TOTAL	541	934.7	932	674.1	1755.1	2564	3274	2727	1792	271.9	116.7	164.8
MEAN	17.5	31.2	30.1	21.7	60.5	82.7	109	88.0	59.7	8.77	3.76	5.49
MAX	33	195	56	45	470	145	291	385	193	28	11	34
MIN	11	9.7	13	7.9	7.4	30	41	13	19	3.4	1.3	1.2
CFSM	.86	1.54	1.49	1.08	3.00	4.09	5.40	4.35	2.96	.43	.19	.27
IN.	1.00	1.72	1.72	1.24	3.23	4.72	6.03	5.02	3.30	.50	.21	.30

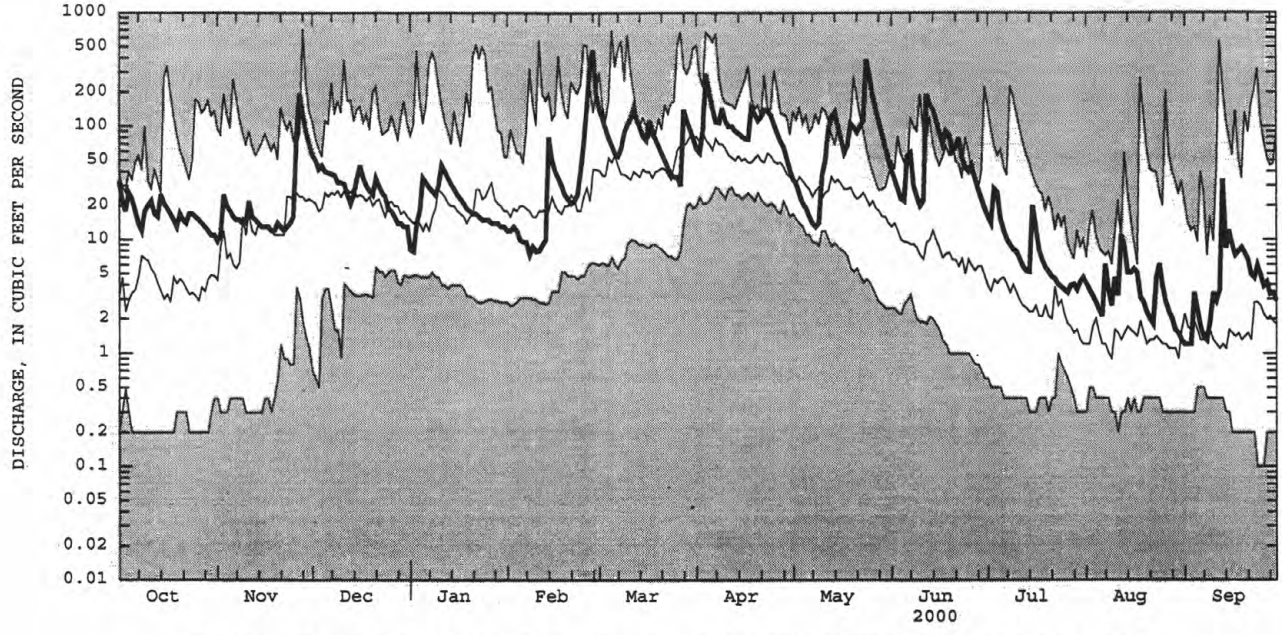
e Estimated

0142400103 TROUT CREEK NEAR TROUT CREEK, NY--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2000, BY WATER YEAR (WY)

MEAN	12.7	26.0	31.9	38.3	38.6	67.1	80.0	34.7	18.1	7.32	4.41	9.99
MAX	63.9	102	68.0	89.7	74.8	131	181	88.0	59.7	50.5	29.1	52.8
(WY)	1956	1960	1960	1998	1961	1964	1958	2000	2000	1998	1955	1960
MIN	.24	.78	6.23	3.79	9.96	24.4	36.0	10.1	2.00	.54	.47	.48
(WY)	1965	1965	1999	1961	1963	1965	1966	1962	1962	1962	1964	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1953 - 2000	
ANNUAL TOTAL	11462.97		15747.3			
ANNUAL MEAN	31.4		43.0		31.2	
HIGHEST ANNUAL MEAN					46.7	1960
LOWEST ANNUAL MEAN					15.0	1965
HIGHEST DAILY MEAN	500	Jan 24	470	Feb 28	715	Nov 28 1959
LOWEST DAILY MEAN	.50	Sep 3	1.2	Sep 1	.10	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	.51	Sep 8	1.4	Aug 28	.16	Sep 20 1964
ANNUAL RUNOFF (CFSM)	1.55		2.13		1.54	
ANNUAL RUNOFF (INCHES)	21.11		29.00		20.99	
10 PERCENT EXCEEDS	75		112		76	
50 PERCENT EXCEEDS	19		21		14	
90 PERCENT EXCEEDS	.70		3.6		1.1	



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

01424108 SHERRUCK BROOK TRIBUTARY NEAR TROUT CREEK, NY

LOCATION.--Lat 42°11'16", long 75°18'57", Delaware County, Hydrologic Unit 02040101, on left bank downstream from culvert on Mormon Hollow Road, 800 ft upstream from Sherruck Brook, and 2.2 mi southwest of Trout Creek.
DRAINAGE AREA.--1.26 mi^2.
PERIOD OF RECORD.--October 1997 to current year.
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 ft^3/s, May 24, 2000, gage height, 2.27 ft, outside gage height was 2.48 ft, from crest-stage gage; minimum discharge, 0.02 ft^3/s, Sept. 13, 1999; minimum gage height, 0.23 ft, Aug. 30, 31, 2000.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0200	40	1.89	May 24	0515	*77	a*2.27
Apr. 4	0630	44	1.95				

a Recorded; outside gage height was 2.48 ft, from crest-stage gage.

Minimum discharge, 0.08 ft^3/s, Aug. 30, 31, gage height, 0.23 ft.

REVISIONS.--Revised daily and monthly discharges for the 1999 water year are given below. These figures supersede those published in WDR Vol. 1, 1999.

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
Aug. 8	.06	Aug. 15	.07	Aug. 22	.10	Aug. 29	.09
9	.05	16	.10	23	.09	30	.08
10	.05	17	.09	24	.08	31	.07
11	.06	18	.08	25	.07	Sept. 1	.06
12	.05	19	.07	26	.08	2	.05
13	.05	20	.08	27	.11	3	.05
14	.05	21	.09	28	.10	4	.05

MONTH	TOTAL	MEAN	MAX	MIN	CFSM	IN
AUG 1999	2.19	.07	.11	.05	.06	.06

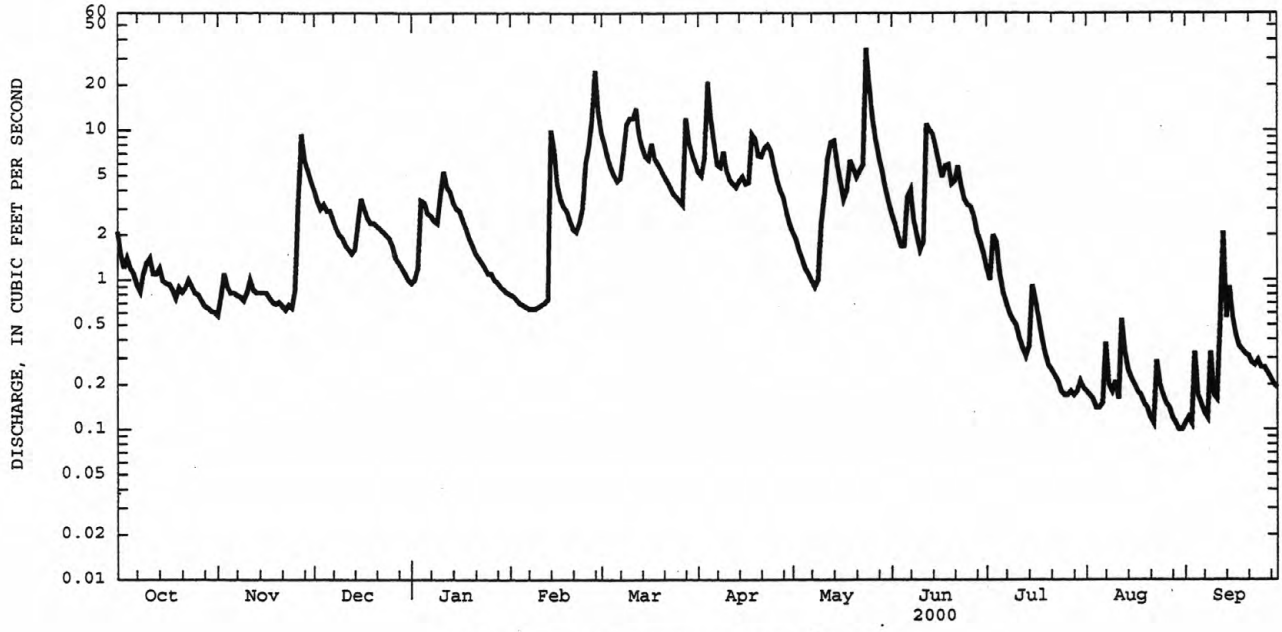
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	.58	4.0	.95	e.80	9.5	5.3	2.1	2.8	1.2	.18	.11
2	1.5	.77	3.4	1.0	.78	8.0	5.0	1.9	2.4	1.0	.17	.12
3	1.2	1.1	3.0	1.2	e.74	6.5	6.6	1.6	2.0	2.0	.16	.11
4	1.4	.90	3.2	3.4	e.70	5.6	21	1.4	1.7	1.8	.14	.33
5	1.2	.82	2.9	e3.3	e.68	5.0	12	1.2	1.7	1.1	.14	.17
6	1.1	.82	2.9	e2.8	e.66	4.6	8.3	1.1	3.6	.83	.15	.15
7	.93	.79	2.5	2.7	e.64	4.8	5.9	.99	4.0	.70	.38	.13
8	.84	.77	2.2	2.5	.64	7.2	5.7	.90	2.5	.60	.20	.12
9	1.1	.73	2.0	2.4	.64	11	7.2	1.0	2.0	.54	.18	.33
10	1.3	.82	1.9	3.7	.66	12	5.4	2.4	1.6	.50	.21	.17
11	1.4	1.0	1.7	5.3	e.68	12	4.7	3.7	1.8	.41	.16	.16
12	1.1	.86	1.6	4.2	e.70	14	4.4	6.5	11	.35	.55	.53
13	1.1	.82	1.5	3.9	.74	9.3	4.2	8.3	10	.31	.33	2.1
14	1.2	.82	1.6	3.3	e10	7.7	4.6	8.5	9.4	.36	.25	.56
15	.99	.82	2.4	3.0	7.5	6.7	4.9	5.9	7.6	.92	.22	.90
16	.95	.82	3.5	2.9	4.4	6.4	4.4	4.5	6.1	.73	.20	.56
17	.94	.76	3.0	e2.5	3.5	8.2	4.5	3.5	4.9	.55	.18	.43
18	.86	.71	2.6	e2.2	3.1	6.5	9.4	4.0	5.8	.41	.17	.36
19	.76	.69	2.4	e1.9	2.9	6.0	8.8	6.3	5.9	.32	.15	.34
20	.89	.71	2.4	e1.7	2.5	5.5	6.8	5.6	4.4	.27	.14	.32
21	.83	.67	e2.3	e1.5	2.2	5.0	6.7	4.9	4.6	.25	.12	.31
22	.89	.63	e2.2	e1.4	2.1	4.6	7.6	5.4	5.8	.23	.11	.28
23	1.0	.68	e2.1	e1.3	2.4	4.2	8.0	5.9	4.3	.21	.29	.27
24	.91	.65	e2.0	e1.2	3.0	3.8	7.3	35	3.5	.18	.20	.29
25	.82	.85	e1.9	e1.1	6.0	3.6	5.8	20	3.2	.17	.17	.26
26	.80	3.2	1.7	e1.1	7.8	3.4	4.7	12	3.1	.17	.15	.26
27	.73	9.4	e1.4	e1.0	12	3.2	4.0	8.7	2.7	.18	.14	.24
28	.67	6.3	e1.3	e.96	25	12	3.6	6.7	2.1	.17	.12	.22
29	.65	5.4	1.2	e.90	13	8.4	2.9	5.4	1.8	.18	.11	.20
30	.62	4.6	1.1	e.86	---	7.0	2.4	4.2	1.5	.21	.10	.19
31	.61	---	e1.0	e.82	---	6.1	---	3.4	---	.19	.10	---
TOTAL	31.39	48.49	68.9	66.99	116.46	217.8	192.1	182.99	123.8	17.04	5.87	10.52
MEAN	1.01	1.62	2.22	2.16	4.02	7.03	6.40	5.90	4.13	.55	.19	.35
MAX	2.1	9.4	4.0	5.3	25	14	21	35	11	2.0	.55	2.1
MIN	.61	.58	1.0	.82	.64	3.2	2.4	.90	1.5	.17	.10	.11
CFSM	.80	1.28	1.76	1.72	3.19	5.58	5.08	4.68	3.28	.44	.15	.28
IN.	.93	1.43	2.03	1.98	3.44	6.43	5.67	5.40	3.66	.50	.17	.31
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)												
MEAN	.45	.90	1.37	4.73	3.30	6.16	5.08	3.56	2.31	1.38	.16	.57
MAX	1.01	1.62	2.22	7.72	4.02	7.33	6.40	5.90	4.13	3.41	.19	1.23
(WY)	2000	2000	2000	1998	2000	1998	2000	2000	2000	1998	2000	1999
MIN	.11	.17	.52	2.16	2.63	4.13	3.59	1.32	.32	.19	.13	.12
(WY)	1998	1999	1999	2000	1998	1999	1999	1999	1999	1999	1998	1998

e Estimated

01424108 SHERRUCK BROOK TRIBUTARY NEAR TROUT CREEK, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	706.42		1082.35			
ANNUAL MEAN	1.94		2.96		2.49	
HIGHEST ANNUAL MEAN					2.96	2000
LOWEST ANNUAL MEAN					1.61	1999
HIGHEST DAILY MEAN	35	Jan 24	35	May 24	38	Jan 8 1998
LOWEST DAILY MEAN	.04	Sep 8	.10	Aug 30	.04	Sep 8 1999
ANNUAL SEVEN-DAY MINIMUM	.05	Sep 8	.11	Aug 28	.05	Sep 8 1999
ANNUAL RUNOFF (CFSM)	1.54		2.35		1.98	
ANNUAL RUNOFF (INCHES)	20.86		31.96		26.90	
10 PERCENT EXCEEDS	4.7		7.2		6.3	
50 PERCENT EXCEEDS	1.1		1.5		1.0	
90 PERCENT EXCEEDS	.12		.19		.12	



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY

LOCATION.--Lat 42°04'29", long 75°23'47", Delaware County, Hydrologic Unit 02040101, on right bank at Stilesville, 0.5 mi upstream from Cold Spring Creek, 1.4 mi downstream from Cannonsville Dam, and 2.0 mi northeast of Deposit. Water-quality sampling site at discharge station.
DRAINAGE AREA.--456 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1952 to current year.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 992.23 ft above 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 ft^3/s, which are poor. Subsequent to October 1963, entire flow from 454 mi^2 of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply (see Reservoirs in Delaware River Basin). Remainder of flow (except for conservation releases and spill) impounded for release during period of low flow in the lower Delaware River basin, as directed by the Delaware River Master.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,800 ft^3/s, Mar. 16, 1986, gage height, 13.07 ft; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,540 ft^3/s, Apr. 5, gage height, 10.03 ft; minimum discharge, 35 ft^3/s, Nov. 16, gage height, 4.86 ft; minimum gage height, 4.18 ft, Dec. 11.

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

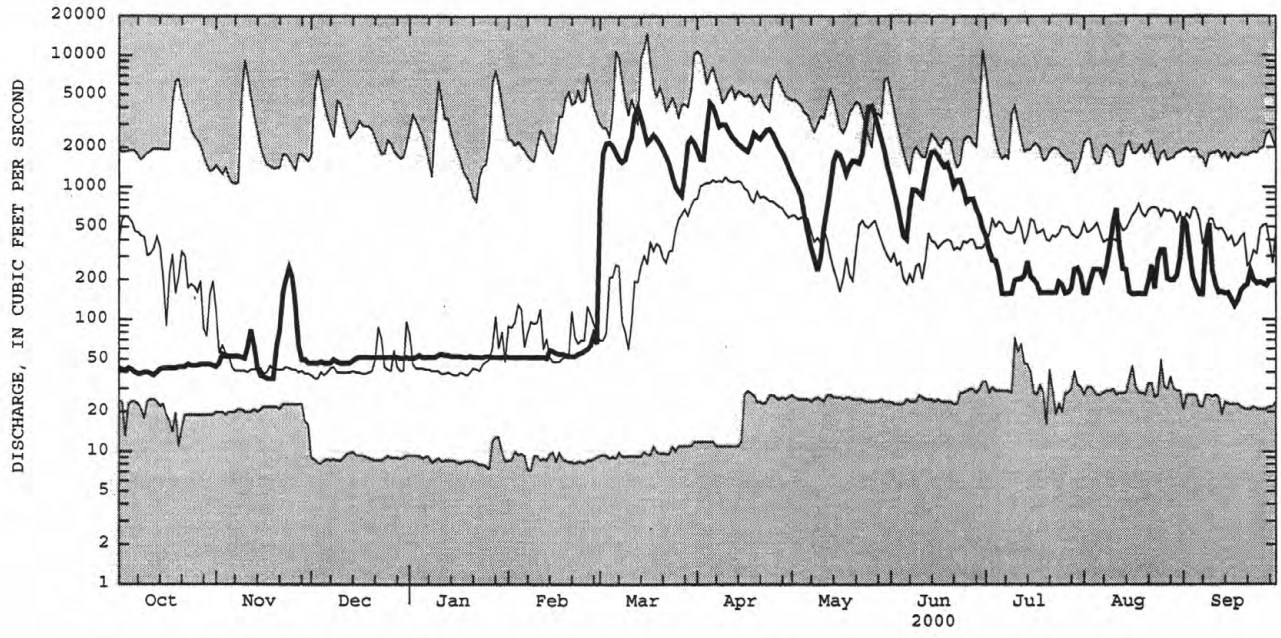
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	44	47	51	52	815	1930	1230	1180	427	159	585
2	42	47	47	51	52	1830	1640	1100	936	335	159	514
3	41	55	47	52	52	2150	1620	976	752	283	198	312
4	43	53	48	54	52	2180	2700	843	565	279	238	210
5	42	53	47	52	52	2050	4350	600	429	226	238	179
6	40	53	47	52	52	1840	4090	451	405	158	238	156
7	39	53	47	52	52	1640	3480	349	680	157	205	156
8	39	53	50	52	52	1550	2900	288	955	157	255	396
9	40	52	48	52	52	1620	3000	234	951	158	359	528
10	40	51	47	54	52	2040	2980	298	902	197	533	233
11	39	63	47	55	52	2400	2670	496	847	202	689	184
12	38	84	47	54	52	3520	2420	690	1170	203	349	160
13	40	63	47	54	51	4040	2280	996	1570	216	242	162
14	42	44	49	53	59	3370	2130	1560	1840	274	238	158
15	43	38	51	53	58	2690	2040	1820	1860	212	163	159
16	43	37	52	53	56	2170	1940	1750	1720	201	156	142
17	43	36	52	53	55	2310	1870	1510	1550	186	156	127
18	43	36	52	52	55	2490	2130	1260	1430	159	157	139
19	43	36	52	52	54	2340	2560	1450	1500	159	156	165
20	44	62	52	53	53	2140	2410	1580	1270	159	156	177
21	44	83	52	52	53	1930	2330	1570	1020	160	191	183
22	44	158	52	52	53	1720	2510	1520	1120	159	256	235
23	46	203	52	52	55	1500	2710	1790	1130	159	172	200
24	45	246	52	52	56	1220	2760	2860	952	192	284	188
25	45	209	52	53	58	1020	2540	4060	772	183	336	191
26	45	127	52	53	60	931	2260	4130	809	158	335	187
27	46	63	52	52	64	865	1990	3540	813	160	205	181
28	46	50	52	52	77	1260	1830	2840	687	171	199	196
29	46	50	51	52	66	2140	1630	2320	602	239	199	197
30	46	47	51	52	---	2330	1420	1890	487	244	216	200
31	45	---	52	53	---	2170	---	1430	---	212	291	---
TOTAL	1325	2249	1546	1629	1607	62271	73120	47431	30904	6385	7728	6800
MEAN	42.7	75.0	49.9	52.5	55.4	2009	2437	1530	1030	206	249	227
MAX	46	246	52	55	77	4040	4350	4130	1860	427	689	585
MIN	38	36	47	51	51	815	1420	234	405	157	156	127

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	502	281	328	318	414	826	1231	733	525	632	617	536
MAX	1593	1971	2644	1910	2309	2879	4389	1883	1593	1646	1675	1606
(WY)	1970	1997	1997	1978	1976	1986	1993	1996	1968	1971	1968	1972
MIN	26.2	21.5	9.10	10.3	9.89	11.1	19.7	25.2	72.7	63.9	92.3	34.0
(WY)	1964	1966	1966	1967	1967	1989	1985	1966	1965	1965	1985	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	100336.0		242995			
ANNUAL MEAN	275		664		579	
HIGHEST ANNUAL MEAN					1049	1997
LOWEST ANNUAL MEAN					87.3	1965
HIGHEST DAILY MEAN	1500	Aug 2	4350	Apr 5	14800	Mar 16 1986
LOWEST DAILY MEAN	9.0	Jan 16	36	Nov 17	7.2	Feb 8 1966
ANNUAL SEVEN-DAY MINIMUM	13	Feb 5	39	Oct 6	8.1	Jan 20 1966
10 PERCENT EXCEEDS	1000		2160		1450	
50 PERCENT EXCEEDS	54		180		319	
90 PERCENT EXCEEDS	29		46		22	

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, 1999-2000), 30.5°C, July 2, 1963; minimum (water years 1963-95, 1998-2000), 0.0°C on many days during winter periods, except 1969, 1973, 1986-87, 1990-91, 1994-95.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES; Maximum, 20.0°C, June 20; minimum, 0.0°C, Jan. 16.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.0	13.0	15.0	13.5	10.5	11.5	6.0	4.0	5.0	5.5	3.0	3.5
2	17.5	13.0	14.5	12.5	10.0	11.0	7.5	4.5	6.0	5.5	3.0	4.5
3	16.0	13.5	14.5	12.5	8.5	10.5	7.0	5.5	6.5	5.5	5.0	5.5
4	14.0	13.0	13.5	10.0	8.0	9.0	7.5	6.5	7.0	7.0	4.5	6.0
5	14.5	12.5	13.5	11.5	8.0	9.5	9.5	7.0	8.0	4.5	2.5	3.0
6	14.5	11.5	13.0	11.5	9.5	10.0	8.5	7.0	7.5	3.5	2.0	3.0
7	15.0	10.5	12.5	9.5	7.5	8.5	7.0	5.0	6.0	4.5	2.5	3.5
8	16.0	11.0	13.0	9.5	7.5	8.5	7.5	4.5	5.5	5.0	2.0	3.0
9	16.5	13.5	14.5	12.0	9.0	10.0	7.0	4.5	5.0	5.0	3.0	3.5
10	15.0	14.0	14.5	11.5	9.5	10.5	6.0	4.5	5.0	4.5	4.0	4.0
11	17.0	13.0	15.0	11.0	8.5	10.0	5.0	3.5	4.0	4.5	3.0	3.5
12	16.5	12.0	13.5	9.0	7.5	8.5	6.5	4.0	5.0	4.5	3.0	3.5
13	15.5	11.5	13.5	9.5	8.5	9.0	5.5	4.5	5.0	3.0	1.0	2.0
14	13.5	11.0	12.5	9.5	7.5	8.5	6.0	4.5	5.5	1.5	.5	1.0
15	15.0	10.5	12.0	7.5	6.0	7.0	6.5	5.0	5.5	3.0	1.0	2.0
16	16.0	11.0	13.0	6.5	5.5	6.0	6.5	5.0	6.0	3.5	.0	2.0
17	16.0	12.0	13.5	7.5	5.5	6.5	6.0	4.0	5.0	1.5	.5	.5
18	13.5	11.0	12.5	9.0	6.0	7.5	6.0	4.0	5.0	1.5	.5	1.0
19	14.5	10.0	12.0	10.5	8.0	8.5	6.0	3.5	4.5	3.0	1.0	2.0
20	13.0	12.0	12.0	9.0	7.5	8.0	5.5	4.0	5.0	2.5	1.0	2.0
21	14.5	11.0	12.0	9.0	7.5	8.5	5.5	4.5	5.0	1.0	.5	1.0
22	12.0	10.0	11.0	9.5	8.5	8.5	5.5	3.5	4.5	1.5	.5	1.0
23	12.0	10.5	11.5	9.0	8.0	8.5	5.0	3.0	4.0	3.0	1.0	1.5
24	12.0	10.5	11.0	9.5	8.0	8.5	4.5	2.5	3.5	4.5	1.5	2.5
25	13.0	10.0	11.0	8.0	7.5	8.0	4.5	2.5	3.5	2.0	1.0	1.5
26	12.5	9.5	11.0	9.5	7.5	8.5	4.0	3.0	3.5	2.5	1.0	1.5
27	11.5	10.0	10.5	9.5	7.0	8.5	4.0	2.5	3.5	2.0	.5	1.0
28	13.0	9.5	11.0	7.5	6.0	6.5	3.5	2.0	3.0	2.0	.5	1.0
29	13.5	9.5	11.0	7.0	5.5	6.0	4.0	3.0	3.5	3.0	.5	1.5
30	14.0	10.0	11.5	6.5	4.5	5.5	5.0	3.0	4.0	3.0	1.0	1.5
31	13.0	10.0	11.5	---	---	---	5.0	3.0	4.0	3.0	.5	2.0
MONTH	18.0	9.5	12.5	13.5	4.5	8.5	9.5	2.0	5.0	7.0	.0	2.5

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	14.5	16.0	14.5	11.0	12.5	11.0	7.5	8.5	9.0	7.0	7.5
2	16.5	14.5	15.5	12.5	9.5	11.0	11.5	7.0	9.0	8.5	7.0	7.5
3	16.0	14.0	14.5	9.5	8.0	8.5	9.5	7.0	8.0	9.0	7.5	8.0
4	15.0	13.0	14.0	10.0	8.0	8.5	10.0	6.5	8.0	8.5	7.0	8.0
5	13.5	12.5	13.0	11.5	7.5	9.0	9.5	6.5	7.5	10.5	6.5	8.0
6	12.5	12.0	12.0	10.5	6.5	8.0	8.5	7.0	7.5	11.0	6.5	8.0
7	16.0	12.5	14.0	9.5	6.5	8.0	11.5	7.0	8.5	11.0	7.0	8.0
8	17.0	15.5	16.0	11.0	6.0	8.0	10.0	7.0	8.0	9.0	6.5	7.5
9	17.0	15.0	16.0	9.5	6.5	8.0	9.5	7.0	8.0	8.5	7.0	7.5
10	17.0	15.0	16.0	10.5	6.5	8.5	9.0	7.0	8.0	9.5	7.0	8.0
11	16.5	15.0	15.5	10.5	6.5	8.0	8.0	7.0	7.5	9.5	7.5	8.0
12	19.5	16.0	18.0	11.0	6.5	8.5	8.0	7.0	7.5	9.5	8.0	8.5
13	19.0	18.0	18.5	10.0	6.5	8.0	9.5	6.5	8.0	11.0	7.5	9.0
14	18.5	18.0	18.0	9.0	6.5	7.5	7.5	7.0	7.0	11.5	7.0	8.5
15	19.0	17.5	18.0	8.0	7.0	7.5	11.5	7.0	8.5	9.0	7.5	8.0
16	18.5	17.0	17.5	11.0	6.5	8.0	11.0	7.0	9.0	9.0	7.0	7.5
17	18.5	17.5	18.0	10.0	6.5	8.0	10.0	7.0	8.0	11.0	6.5	8.0
18	18.5	17.5	18.0	11.0	7.0	8.5	9.5	7.0	8.0	10.5	7.0	8.0
19	19.5	18.0	18.5	9.0	6.5	7.5	10.5	6.5	8.0	9.0	7.0	8.0
20	20.0	18.0	19.0	12.0	6.5	8.5	11.0	6.5	8.5	11.0	7.5	8.5
21	19.0	17.0	18.0	8.5	6.5	7.5	10.5	6.5	8.0	10.0	7.5	8.0
22	18.5	15.5	17.5	10.5	7.0	8.0	10.5	7.0	8.0	9.5	7.0	7.5
23	18.5	16.0	18.0	11.5	6.5	8.5	8.5	7.0	7.5	8.5	7.0	7.5
24	18.5	16.5	17.5	9.5	6.5	8.0	9.5	7.0	8.0	8.0	7.0	7.5
25	19.5	16.0	17.5	10.5	6.5	8.0	9.5	7.0	8.0	9.0	6.5	7.5
26	18.0	15.5	17.0	9.0	6.5	7.5	9.5	7.0	8.0	8.0	7.0	7.5
27	17.0	15.5	16.0	10.5	7.0	8.0	9.0	7.0	7.5	9.5	6.5	7.5
28	18.5	15.0	16.5	11.5	7.0	8.5	11.5	7.0	8.5	9.5	7.0	7.5
29	18.5	16.0	17.5	9.5	7.0	8.0	10.5	7.0	8.5	9.5	6.0	7.0
30	16.5	12.5	15.5	8.5	7.0	7.5	9.5	7.0	8.0	10.0	6.5	7.5
31	---	---	---	10.0	7.0	8.5	10.5	7.0	8.5	---	---	---
MONTH	20.0	12.0	16.5	14.5	6.0	8.5	11.5	6.5	8.0	11.5	6.0	8.0

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY

LOCATION.--Lat 42°00'11", long 75°23'02", Delaware County, Hydrologic Unit 02040101, on left bank at downstream side of bridge on County Highway 56 in Hale Eddy, and 9 mi upstream from confluence of East and West Branches near Hancock. Water-quality sampling site at discharge station.
DRAINAGE AREA.--595 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1912 to current year.
REVISED RECORDS.--WSP 871: 1916. WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 946.46 ft above 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 mi^2 drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,900 ft^3/s, Mar. 22, 1948, gage height, 15.69 ft; maximum gage height, 15.8 ft, Sept. 30, 1924, from graph based on gage readings; minimum discharge, 17 ft^3/s, Oct. 20, 1963; minimum gage height, 1.03 ft, Aug. 4, 1936.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 10, 1903, reached a stage of 20.3 ft, from floodmarks, discharge, about 46,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,570 ft^3/s, May 24, gage height, 8.79 ft; minimum recorded discharge, 103 ft^3/s, Nov. 2, gage height, 1.74 ft, but may have been less during periods of estimated record.

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

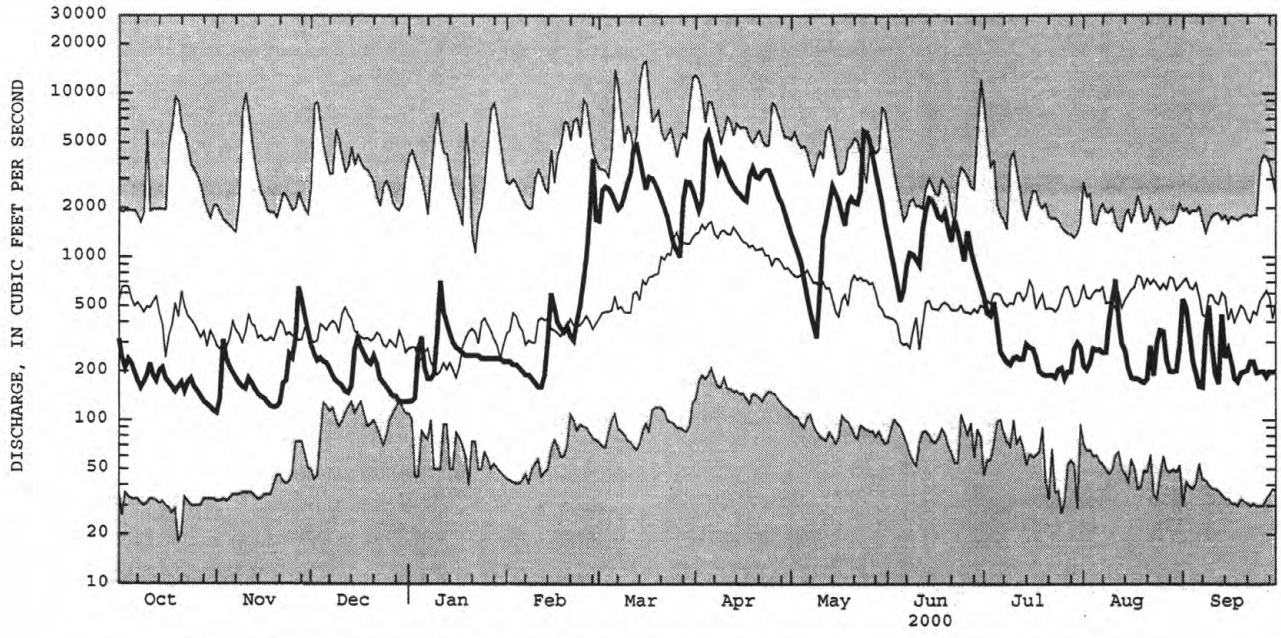
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	314	111	290	e130	e230	1680	2270	1400	1340	575	217	551
2	242	135	256	131	e230	2590	1950	1240	1070	455	205	485
3	209	311	233	137	e220	2720	2230	1090	859	440	227	340
4	237	238	241	271	e220	2650	5150	953	678	529	275	234
5	224	212	230	324	e210	2450	5750	738	541	383	269	193
6	196	196	225	e210	e200	2200	4880	583	628	264	270	161
7	174	181	207	e180	e190	1990	4020	465	891	244	260	159
8	158	169	187	e180	e190	2080	3400	388	1060	228	261	351
9	171	160	175	193	e180	2420	3940	323	1040	220	404	502
10	189	156	169	334	e170	2870	3650	619	972	241	548	278
11	223	181	162	712	e160	3260	3230	1330	900	245	726	191
12	188	169	150	459	e160	4700	2930	1680	1460	237	415	168
13	175	155	147	395	e190	4870	2730	2160	1950	239	295	443
14	201	145	162	340	e310	4010	2560	2730	2300	293	268	243
15	e210	139	268	300	e600	3220	2440	2470	2230	280	210	272
16	e180	136	320	e280	e500	2630	2300	2210	2010	275	183	230
17	e170	128	280	e270	e400	3120	2230	1850	1770	242	180	181
18	e160	122	255	e260	e370	3060	3140	1580	1710	200	180	172
19	e150	120	232	e250	e350	2840	3540	2120	1880	193	174	194
20	e160	121	223	e250	e380	2550	3140	2310	1530	188	170	198
21	e170	128	248	e250	e330	2270	3070	2180	1260	189	179	202
22	e150	168	221	e250	e310	2010	3330	2140	1690	189	285	229
23	e170	175	e180	e250	e400	1750	3440	2550	1440	183	189	229
24	e180	254	e170	e240	e500	1440	3430	5940	1190	204	295	196
25	e160	241	e160	e240	e700	1210	3070	5810	959	209	355	198
26	e150	317	e150	e240	e1000	1110	2690	5110	1440	180	349	199
27	e140	654	e140	e240	e1800	1010	2350	4130	1110	199	233	184
28	e130	549	e140	e240	4020	2250	2170	3320	922	199	200	198
29	e125	434	e130	e240	1710	2920	1890	2690	786	273	199	197
30	e120	353	e130	e240	---	2890	1630	2170	672	299	201	199
31	114	---	e130	e230	---	2610	---	1650	---	282	289	---
TOTAL	5540	6558	6211	8266	16230	79380	92550	65929	38288	8377	8511	7577
MEAN	179	219	200	267	560	2561	3085	2127	1276	270	275	253
MAX	314	654	320	712	4020	4870	5750	5940	2300	575	726	551
MIN	114	111	130	130	160	1010	1630	323	541	180	170	159

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	642	544	609	564	693	1285	1701	1005	654	699	666	611
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	156850		343417			
ANNUAL MEAN	430		938		806	
HIGHEST ANNUAL MEAN					1411	1978
LOWEST ANNUAL MEAN					204	1965
HIGHEST DAILY MEAN	2000	Jan 24	5940	May 24	15900	Mar 16 1986
LOWEST DAILY MEAN	91	May 15	111	Nov 1	18	Oct 20 1963
ANNUAL SEVEN-DAY MINIMUM	106	May 10	125	Oct 27	26	Oct 15 1963
10 PERCENT EXCEEDS	1030		2720		1800	
50 PERCENT EXCEEDS	255		275		482	
90 PERCENT EXCEEDS	140		160		121	

e Estimated



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

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1968 to current year.
CHEMICAL DATA: 1958-59 (d), 1970 (b), 1971-74 (d), 1975 (c).
MINOR ELEMENTS DATA: 1971-74 (a).
ORGANIC DATA: OC--1974 (a), 1975 (c).
NUTRIENT DATA: 1971-74 (d), 1975 (c).
BIOLOGICAL DATA:
Bacteria--1971, 1973 (c); 1974 (d); 1975 (c).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1967 to current year (no winter record for water years 1969-77).
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. 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.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1968-77, 1979-83, 1985, 1988-96, 1998-2000), 30.5°C, July 22, 23, 1972, June 16, 1981; minimum (water years 1968, 1978-2000), 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 21.5°C, June 25; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.5	12.5	14.5	13.5	9.5	11.0	1.5	.0	1.0	1.0	.0	.0
2	16.0	12.0	14.0	12.0	9.5	10.5	2.0	.0	1.0	1.0	.0	.5
3	15.5	13.0	14.0	12.0	8.0	10.5	3.0	1.5	2.5	4.0	.5	2.0
4	13.5	11.5	12.5	8.5	6.5	7.5	5.0	3.0	4.0	7.0	4.0	5.5
5	12.5	10.5	11.5	8.5	5.0	6.5	8.0	5.0	6.5	5.5	.5	2.5
6	11.5	9.5	10.5	10.0	6.5	8.0	8.0	7.0	7.5	2.0	.5	1.0
7	12.0	7.5	9.5	8.0	5.0	6.5	7.0	4.0	5.5	1.0	.0	.5
8	11.5	7.0	9.5	6.0	4.0	5.0	5.5	3.5	4.5	1.0	.0	.5
9	14.0	10.5	12.0	9.5	5.0	7.0	5.0	2.5	3.5	1.5	.0	1.0
10	13.5	13.0	13.5	9.5	7.0	8.5	3.5	2.5	3.0	3.0	1.5	2.5
11	16.5	13.0	14.5	10.0	6.0	8.5	3.5	2.0	2.5	3.0	1.5	2.5
12	14.5	11.0	12.5	6.5	4.5	5.5	3.0	1.0	2.0	3.0	2.0	2.5
13	13.5	10.5	12.0	7.0	5.5	6.0	3.0	2.0	2.5	2.0	.0	.5
14	13.0	10.0	12.0	7.0	5.5	6.0	3.5	2.0	3.0	.0	.0	.0
15	13.0	8.5	10.5	5.5	3.5	4.5	4.0	2.5	3.5	.5	.0	.0
16	13.5	8.5	11.0	3.5	1.5	2.5	5.0	3.5	4.5	.5	.0	.5
17	15.0	11.0	13.0	3.5	1.0	2.0	3.5	2.5	3.0	.5	.0	.0
18	13.5	10.0	12.5	5.5	1.0	3.0	3.0	1.5	2.5	.0	.0	.0
19	13.0	8.5	10.0	8.5	3.5	5.5	2.0	.5	1.0	.0	.0	.0
20	11.0	9.5	10.0	6.5	4.0	5.5	2.5	.5	1.5	.0	.0	.0
21	13.0	9.0	10.5	8.0	5.5	7.0	3.0	2.5	2.5	.0	.0	.0
22	10.0	8.0	8.5	10.0	7.0	8.5	3.0	1.0	2.0	.0	.0	.0
23	9.5	8.5	9.0	11.0	9.0	9.5	2.0	.5	1.0	.0	.0	.0
24	9.0	8.0	8.5	11.5	9.0	10.0	2.5	.5	1.5	.0	.0	.0
25	11.0	7.5	9.0	10.0	7.5	8.5	2.0	.5	1.0	.0	.0	.0
26	9.5	6.5	8.0	9.5	7.5	8.5	1.0	.5	.5	.0	.0	.0
27	8.0	7.0	7.5	9.5	8.0	9.0	.5	.5	.5	.0	.0	.0
28	10.5	5.5	7.5	8.0	5.5	6.5	.5	.0	.0	.0	.0	.0
29	11.0	6.5	8.5	5.5	4.0	5.0	.0	.0	.0	.0	.0	.0
30	12.5	8.0	10.0	4.0	1.5	3.0	.5	.0	.0	.0	.0	.0
31	12.0	9.0	10.5	---	---	---	.5	.0	.0	.0	.0	.0
MONTH	16.5	5.5	11.0	13.5	1.0	7.0	8.0	.0	2.5	7.0	.0	.5

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	3.0	1.0	2.0	6.5	3.5	4.5	10.0	8.0	9.0
2	.0	.0	.0	2.5	1.5	2.0	5.0	4.0	4.5	11.0	8.5	9.5
3	.0	.0	.0	3.0	1.0	2.0	6.5	4.5	5.5	12.5	7.5	9.5
4	.0	.0	.0	3.5	1.0	2.0	7.5	5.5	6.5	13.5	8.5	10.5
5	.0	.0	.0	3.0	1.5	2.0	5.5	4.0	4.5	13.5	9.0	11.0
6	.0	.0	.0	4.0	1.5	2.5	5.5	3.5	4.5	16.0	10.5	13.0
7	.0	.0	.0	4.0	1.5	2.5	5.5	4.0	5.0	17.5	11.5	14.5
8	.0	.0	.0	5.0	2.5	3.5	7.0	4.5	5.5	17.0	12.0	14.5
9	.0	.0	.0	4.5	3.0	3.5	5.0	3.5	4.5	19.5	13.0	16.5
10	.0	.0	.0	4.0	2.5	3.0	5.0	4.0	4.5	18.0	13.5	15.5
11	.0	.0	.0	3.0	2.5	2.5	4.5	4.0	4.5	16.0	12.5	14.0
12	.0	.0	.0	2.5	2.0	2.5	5.0	4.0	4.5	14.0	12.5	13.5
13	.0	.0	.0	3.0	1.5	2.5	6.5	4.0	5.0	16.5	13.0	14.0
14	.0	.0	.0	3.5	2.0	2.5	7.5	4.5	5.5	15.0	12.5	14.0
15	.0	.0	.0	3.5	2.5	3.0	8.5	5.0	6.5	13.5	12.0	12.5
16	.0	.0	.0	4.5	2.5	3.5	8.5	6.0	7.0	15.0	12.0	13.0
17	.0	.0	.0	3.5	1.5	2.5	7.5	6.5	7.0	16.0	12.5	14.0
18	.0	.0	.0	4.0	1.5	2.5	6.5	6.5	6.5	16.0	13.0	14.0
19	.0	.0	.0	4.5	2.0	3.0	7.5	6.5	7.0	13.5	12.5	13.0
20	.0	.0	.0	4.5	2.5	3.0	8.5	7.0	7.5	13.0	12.5	12.5
21	.0	.0	.0	4.0	3.0	3.5	8.0	7.5	7.5	13.0	12.5	12.5
22	.0	.0	.0	5.5	3.0	4.0	8.0	7.0	7.5	13.0	12.5	13.0
23	.0	.0	.0	5.5	3.0	4.0	7.5	7.0	7.0	14.0	12.5	13.0
24	.5	.0	.0	7.0	3.0	4.5	9.5	7.0	8.0	14.0	12.5	13.5
25	1.5	.5	1.0	6.5	3.0	4.5	9.0	6.5	8.0	13.5	12.0	12.5
26	2.5	1.0	1.5	6.5	4.0	5.0	9.5	7.5	8.5	13.0	12.0	12.0
27	4.0	1.5	2.5	6.5	3.0	4.5	8.5	8.0	8.0	14.0	12.0	13.0
28	2.5	1.0	2.0	5.5	4.5	5.0	9.5	7.5	8.5	14.5	13.0	13.5
29	4.5	1.5	2.5	4.5	3.5	4.0	10.5	7.5	9.0	15.5	14.0	14.5
30	---	---	---	4.5	3.5	4.0	12.0	8.5	10.0	17.0	14.0	15.5
31	---	---	---	5.5	3.5	4.5	---	---	---	18.0	14.0	15.5
MONTH	4.5	.0	.5	7.0	1.0	3.0	12.0	3.5	6.5	19.5	7.5	13.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.5	14.5	15.5	19.5	14.0	16.5	17.0	14.5	15.5	14.5	9.5	11.0
2	17.5	14.0	15.5	19.0	13.5	16.5	20.5	14.0	17.0	12.5	8.5	10.0
3	18.0	13.0	15.5	17.0	13.0	14.0	18.0	15.0	16.5	14.5	9.0	11.5
4	16.0	13.0	14.5	17.5	13.0	15.0	17.5	11.0	14.5	13.5	10.0	12.0
5	15.0	13.0	13.5	18.5	13.0	15.5	16.0	10.5	13.5	15.5	8.5	12.0
6	13.0	12.0	12.5	18.5	12.5	16.0	13.0	10.0	11.5	17.0	10.0	13.0
7	17.0	11.5	14.0	18.0	12.5	15.0	18.0	10.5	13.5	17.5	10.5	13.5
8	17.0	14.0	15.0	19.0	11.0	15.0	19.0	14.0	16.5	14.0	10.0	12.0
9	17.5	13.5	15.5	16.5	12.5	14.5	16.0	10.0	13.0	11.0	8.5	9.5
10	20.0	14.0	16.5	19.5	13.0	16.0	15.0	9.0	12.0	13.5	8.5	11.0
11	19.5	14.5	16.5	19.0	12.5	15.5	11.0	7.5	9.0	14.0	12.0	13.0
12	17.5	15.5	16.5	19.5	11.0	15.5	10.5	8.5	9.0	14.5	12.5	13.0
13	17.0	16.0	16.5	18.0	12.0	15.0	14.5	9.0	11.5	19.0	13.5	16.0
14	16.5	15.5	16.0	15.5	11.0	13.0	13.5	10.5	11.0	18.0	12.0	15.0
15	18.0	15.5	16.5	13.0	11.0	12.0	19.0	9.5	14.0	15.5	13.0	14.0
16	18.5	16.0	17.0	18.5	11.5	14.5	19.0	13.5	16.0	13.5	10.5	12.0
17	18.0	16.0	17.0	17.5	12.5	15.0	18.0	13.0	15.5	16.0	9.0	12.5
18	16.5	16.0	16.0	20.0	13.5	16.0	15.0	11.5	13.0	17.0	11.0	14.0
19	18.5	16.0	17.0	16.5	12.5	14.0	17.5	11.0	14.0	14.5	11.5	13.0
20	20.0	16.0	18.0	19.5	11.5	15.0	18.0	11.5	14.5	17.5	11.0	14.0
21	18.5	17.0	18.0	16.5	12.5	14.0	18.0	10.5	14.0	16.0	12.5	14.0
22	19.5	16.5	17.5	18.0	11.5	14.5	16.0	9.0	12.5	15.0	9.5	12.0
23	19.0	15.0	17.0	18.5	12.0	15.0	13.5	11.5	12.0	11.5	9.0	10.0
24	20.0	16.5	18.0	16.0	12.5	14.0	16.5	10.0	13.0	11.5	9.5	11.0
25	21.5	16.5	19.0	15.5	11.5	13.5	16.0	8.5	12.0	12.5	8.0	10.0
26	20.0	17.5	18.5	14.5	12.5	13.5	15.0	8.5	12.0	10.5	8.5	9.5
27	18.5	16.5	17.0	16.0	12.0	14.0	14.0	9.0	11.5	14.5	8.0	10.5
28	19.5	15.5	17.5	20.5	13.5	16.5	17.0	10.5	13.5	13.5	9.0	11.0
29	21.0	17.0	18.5	18.0	12.5	14.5	16.0	12.5	14.5	12.0	6.0	9.0
30	20.0	16.0	18.0	13.5	11.0	12.0	15.0	11.5	13.5	13.5	7.0	10.0
31	---	---	---	16.5	11.5	14.0	16.5	10.0	13.5	---	---	---
MONTH	21.5	11.5	16.5	20.5	11.0	14.5	20.5	7.5	13.5	19.0	6.0	12.0

01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, NY

LOCATION.--Lat 41°57'08", long 75°17'31", Delaware County, Hydrologic Unit 02040101, at bridge at end of Pennsylvania State Highway 191 in Hancock, and 1.3 mi upstream from confluence with East Branch Delaware River.
DRAINAGE AREA.--650 mi^2.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1996 to current year.
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings.
REMARKS.--Water temperature is affected by release of water from upstream reservoir. Interruption of record was due to malfunction of recording instrument. Satellite temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURES: Maximum, 24.5°C, Sept. 18, 1997; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 23.5°C, July 23, 28, Aug. 2, 3; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.5	11.5	13.0	13.0	8.5	10.0	2.0	.5	1.5	.5	.0	.0
2	15.0	11.0	12.5	12.5	8.5	10.0	2.5	.5	1.5	1.0	.0	.5
3	14.5	12.0	12.5	12.0	7.5	9.5	3.5	2.0	2.5	2.5	1.0	1.5
4	12.0	11.5	12.0	8.5	6.0	7.0	5.0	3.5	4.5	5.5	2.5	4.5
5	12.0	10.0	11.0	8.5	4.5	6.5	7.5	5.0	6.0	4.5	.0	2.5
6	11.0	9.0	10.0	9.5	6.0	7.5	7.5	6.5	7.0	.0	.0	.0
7	11.0	7.0	9.0	7.5	4.5	6.0	6.5	4.0	5.5	1.0	.0	.0
8	11.5	6.5	9.0	6.0	3.5	5.0	5.5	3.0	4.0	.5	.0	.0
9	13.5	10.0	11.5	9.0	5.0	7.0	5.0	2.0	3.0	1.0	.0	.5
10	12.5	11.5	12.0	9.0	6.0	8.0	4.0	2.0	3.0	2.5	1.0	1.5
11	14.5	11.0	13.0	9.0	5.0	7.5	3.5	1.5	3.0	2.5	1.5	2.0
12	13.0	9.0	11.0	6.0	4.0	5.0	3.5	1.0	2.0	3.0	1.5	2.0
13	13.0	8.5	11.0	7.0	5.5	6.0	3.0	1.5	2.5	1.5	.0	.5
14	12.0	8.5	11.0	6.5	4.5	5.5	3.5	1.5	3.0	.0	.0	.0
15	12.0	7.5	9.5	6.0	3.5	5.0	4.0	2.0	3.5	.0	.0	.0
16	13.0	7.5	10.0	3.5	2.0	3.0	5.0	3.5	4.0	.0	.0	.0
17	14.0	10.0	11.5	3.5	1.5	2.0	4.0	2.5	3.0	.0	.0	.0
18	12.5	9.0	11.0	4.5	.5	2.5	3.0	1.5	2.5	.0	.0	.0
19	11.5	7.0	9.0	7.0	3.5	5.0	2.0	.5	1.5	.0	.0	.0
20	10.5	9.0	9.5	5.5	3.0	4.5	3.0	1.0	2.0	.0	.0	.0
21	12.0	8.0	9.5	7.0	4.5	6.0	3.0	2.5	3.0	.0	.0	.0
22	9.0	7.0	8.0	9.0	6.0	7.5	2.5	.5	2.0	.0	.0	.0
23	9.0	7.5	8.5	11.0	9.0	9.5	1.0	.0	.5	.0	.0	.0
24	9.5	7.5	8.0	12.0	10.0	10.5	.0	.0	.0	.0	.0	.0
25	11.0	7.0	8.5	10.0	8.0	9.0	.0	.0	.0	.0	.0	.0
26	9.5	6.0	7.5	10.0	7.5	8.5	.0	.0	.0	.0	.0	.0
27	7.5	6.0	7.0	9.5	8.0	9.0	.0	.0	.0	.0	.0	.0
28	9.5	5.0	7.0	8.0	5.5	7.0	.0	.0	.0	.0	.0	.0
29	10.5	5.0	7.5	5.5	4.5	5.0	.0	.0	.0	.0	.0	.0
30	12.0	7.0	9.0	4.5	2.0	3.5	.5	.0	.0	.0	.0	.0
31	12.5	7.5	9.5	---	---	---	1.0	.0	.5	.0	.0	.0
MONTH	15.0	5.0	10.0	13.0	.5	6.5	7.5	.0	2.5	5.5	.0	.5

01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	3.0	1.5	2.0	7.0	3.0	5.0	10.0	7.0	9.0
2	.0	.0	.0	2.5	1.5	2.0	5.0	4.0	4.5	11.5	8.0	9.5
3	.0	.0	.0	3.0	1.0	2.0	7.0	5.0	5.5	13.0	7.0	10.0
4	.0	.0	.0	3.5	1.0	2.0	8.0	6.5	7.0	13.5	8.0	11.0
5	.0	.0	.0	3.0	1.5	2.5	6.5	4.0	4.5	13.5	10.0	12.0
6	.0	.0	.0	4.5	2.0	3.0	6.0	3.5	4.5	16.5	11.5	14.0
7	.0	.0	.0	4.5	1.5	3.0	6.5	4.5	5.0	17.5	13.0	15.5
8	.0	.0	.0	5.5	3.0	4.0	8.0	4.5	6.0	18.0	15.0	16.5
9	.0	.0	.0	5.5	3.5	4.5	5.5	3.0	4.0	21.0	14.5	17.5
10	.0	.0	.0	5.0	3.0	4.0	5.5	3.5	4.0	16.5	12.0	15.0
11	.0	.0	.0	3.0	2.5	3.0	4.5	3.5	4.0	15.0	11.5	13.5
12	.0	.0	.0	3.0	2.0	2.5	5.0	4.0	4.5	14.0	11.0	12.5
13	.0	.0	.0	3.0	1.5	2.5	7.5	3.5	5.0	15.5	11.5	13.5
14	.0	.0	.0	3.5	2.0	2.5	8.5	4.0	6.0	15.0	12.0	13.5
15	.0	.0	.0	4.0	2.5	3.0	10.0	4.5	7.0	13.0	10.5	11.5
16	.0	.0	.0	5.0	3.0	4.0	10.0	6.5	8.0	14.5	10.0	12.0
17	.0	.0	.0	4.0	1.5	2.5	8.0	6.0	7.0	15.5	11.0	13.0
18	.0	.0	.0	4.0	1.0	2.5	6.0	6.0	6.0	15.0	12.0	13.5
19	.0	.0	.0	4.5	1.5	3.0	7.5	6.0	6.5	13.5	11.0	12.0
20	.0	.0	.0	5.0	2.5	3.5	8.5	7.0	7.5	11.0	10.0	10.5
21	.5	.0	.0	4.5	3.0	3.5	8.0	7.0	7.5	11.0	10.0	10.5
22	.5	.0	.0	6.0	3.5	4.5	8.0	7.0	7.5	11.5	10.5	11.0
23	1.0	.0	.5	6.5	3.0	4.5	7.0	6.5	7.0	12.5	10.5	11.5
24	1.0	.0	.5	7.5	3.0	5.0	10.0	6.0	7.5	13.0	11.0	12.0
25	.5	.0	.5	6.5	3.5	5.0	10.0	6.5	8.0	12.5	11.0	11.5
26	1.0	.0	.5	7.5	4.5	6.0	9.5	6.5	8.0	12.0	10.5	11.0
27	3.5	.0	1.5	6.5	3.0	5.0	8.5	7.0	7.5	13.5	11.0	12.0
28	2.5	1.0	2.0	6.0	5.0	5.5	10.0	7.0	8.5	14.0	11.5	12.5
29	4.0	1.5	2.5	5.0	4.0	4.0	11.0	7.0	9.0	14.5	12.5	13.5
30	---	---	---	4.5	3.5	4.0	12.0	8.0	10.0	16.5	12.0	14.0
31	---	---	---	6.0	3.5	4.5	---	---	---	17.0	12.0	14.5
MONTH	4.0	.0	.5	7.5	1.0	3.5	12.0	3.0	6.5	21.0	7.0	12.5

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

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 mi^2.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: August 1993 to current year.
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. Prior to March 1994, water-temperature recorder provided 15-minute-interval readings.
REMARKS.--Water temperature is affected by release of water from upstream reservoir. 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, 25.5°C, Aug. 9; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.5	13.5	14.5	11.0	9.0	9.5	3.0	1.0	1.5	.5	.0	.0
2	15.0	13.0	14.0	11.0	9.5	10.0	1.5	.0	1.0	1.0	.0	.5
3	14.5	13.5	14.0	11.0	8.5	10.0	2.5	1.0	1.5	1.0	.5	.5
4	13.5	12.0	12.5	8.5	6.5	7.5	4.0	2.5	3.0	1.5	1.0	1.0
5	12.0	11.0	11.5	6.5	5.5	6.0	6.0	4.0	5.0	1.5	.5	1.0
6	11.0	10.0	10.5	7.5	6.0	6.5	6.5	5.5	6.5	1.0	.0	.0
7	10.0	8.5	9.0	7.0	5.5	6.0	6.5	5.0	6.0	.0	.0	.0
8	9.5	7.5	8.5	5.5	4.5	4.5	5.0	4.0	4.5	.5	.0	.0
9	11.5	9.5	10.5	6.0	4.5	5.5	4.0	3.0	3.5	.5	.0	.0
10	12.0	11.5	12.0	8.0	6.0	7.0	3.0	2.5	3.0	1.5	.0	.5
11	13.5	12.0	12.5	8.5	6.5	7.5	3.0	1.5	2.5	2.0	1.0	1.5
12	13.0	11.0	12.0	6.5	5.5	5.5	2.0	1.0	1.5	2.5	2.0	2.0
13	12.0	10.5	11.5	6.0	5.0	5.5	2.0	1.0	1.5	2.0	.0	1.0
14	12.0	10.5	11.5	5.5	5.0	5.0	2.5	1.5	2.0	.0	.0	.0
15	10.5	9.0	10.0	5.0	3.5	4.5	3.0	2.0	2.5	.0	.0	.0
16	11.0	9.0	10.0	3.5	2.0	3.0	4.0	3.0	3.5	.0	.0	.0
17	12.0	10.0	11.0	2.5	1.5	1.5	3.5	2.5	3.0	.0	.0	.0
18	12.0	10.5	11.5	2.5	.5	1.5	2.5	1.5	2.0	.0	.0	.0
19	10.5	9.0	10.0	4.0	2.0	3.0	1.5	.5	1.0	.0	.0	.0
20	10.0	9.5	9.5	4.5	3.0	4.0	1.5	.5	1.0	.0	.0	.0
21	10.5	8.5	9.5	5.5	4.5	5.0	2.0	1.5	2.0	.0	.0	.0
22	9.5	8.0	8.5	7.0	5.5	6.0	2.0	1.0	2.0	.0	.0	.0
23	8.5	8.0	8.5	8.5	7.0	8.0	1.0	.0	.5	.0	.0	.0
24	8.5	7.5	8.0	10.5	8.5	10.0	.0	.0	.0	.0	.0	.0
25	9.0	7.0	8.0	10.5	9.5	10.0	.0	.0	.0	.0	.0	.0
26	8.0	6.5	7.5	10.0	8.5	9.0	.0	.0	.0	.0	.0	.0
27	7.5	6.5	7.0	10.0	9.0	9.5	.0	.0	.0	.0	.0	.0
28	7.5	5.5	6.5	9.0	6.5	7.5	.0	.0	.0	.0	.0	.0
29	8.0	6.0	7.0	6.5	5.0	5.5	.0	.0	.0	.0	.0	.0
30	9.0	7.0	8.0	5.0	3.0	4.0	.5	.0	.0	.0	.0	.0
31	10.0	8.0	9.0	---	---	---	.5	.0	.0	.0	.0	.0
MONTH	15.5	5.5	10.0	11.0	.5	6.5	6.5	.0	2.0	2.5	.0	.5

01427301 DELAWARE RIVER NEAR HANKINS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	3.0	2.5	3.0	7.5	4.5	6.0	11.0	9.5	10.5
2	.0	.0	.0	3.0	2.5	3.0	7.5	6.5	6.5	12.0	10.0	11.0
3	.0	.0	.0	3.0	1.5	2.0	8.0	6.5	7.0	13.0	10.0	11.5
4	.0	.0	.0	3.5	1.5	2.5	9.0	8.0	8.5	14.5	11.5	13.0
5	.0	.0	.0	3.5	2.5	3.0	8.5	5.0	6.5	16.0	13.5	14.5
6	.0	.0	.0	4.5	2.5	3.5	6.5	4.0	5.0	18.0	14.5	16.5
7	.0	.0	.0	4.5	3.0	4.0	7.5	5.5	6.5	19.5	16.5	18.0
8	.0	.0	.0	6.5	4.5	5.5	9.5	7.0	8.0	20.5	18.0	19.5
9	.0	.0	.0	6.5	5.0	6.0	9.0	5.0	6.0	21.5	18.5	20.0
10	.0	.0	.0	6.0	4.5	5.5	6.0	4.0	5.0	21.0	15.5	19.0
11	.0	.0	.0	4.5	3.5	4.0	5.0	4.0	4.5	15.5	14.0	15.0
12	.0	.0	.0	3.5	3.0	3.5	5.5	4.5	5.0	15.0	13.5	14.0
13	.0	.0	.0	3.5	2.0	2.5	7.0	4.0	5.5	15.0	13.0	14.0
14	.0	.0	.0	4.0	2.5	3.0	8.5	5.5	7.0	15.0	14.0	14.5
15	.0	.0	.0	5.0	3.5	4.0	10.0	7.0	8.5	14.5	12.5	13.0
16	.0	.0	.0	6.0	4.0	5.0	11.5	9.5	10.5	13.5	11.0	12.0
17	.0	.0	.0	6.0	3.0	4.5	11.0	8.0	9.5	14.5	12.5	13.5
18	.0	.0	.0	3.5	1.5	2.5	8.0	6.5	7.0	15.0	14.0	14.5
19	.5	.0	.0	4.0	2.0	3.5	8.0	6.5	7.0	15.0	12.0	13.5
20	.0	.0	.0	5.0	3.5	4.5	9.5	8.0	8.5	12.0	10.5	11.0
21	.5	.0	.0	5.5	4.5	5.0	9.5	8.0	8.5	11.0	10.5	10.5
22	.5	.0	.0	7.0	5.0	6.0	8.5	7.5	8.0	11.0	11.0	11.0
23	.5	.0	.0	8.0	5.5	7.0	8.0	7.0	7.5	12.0	11.0	11.5
24	.5	.0	.5	8.5	6.5	7.5	9.5	6.5	8.0	13.5	12.0	12.5
25	.5	.0	.0	8.0	7.0	7.5	10.0	8.0	9.0	13.5	12.5	13.0
26	.5	.0	.0	9.5	7.5	8.5	10.0	8.5	9.0	13.0	12.0	12.5
27	1.0	.0	.5	8.0	6.5	7.5	9.5	8.0	8.5	13.5	11.5	12.5
28	2.0	.0	1.5	7.5	7.0	7.0	10.0	8.0	9.0	14.0	12.5	13.5
29	3.5	2.0	2.5	7.0	5.5	6.0	11.0	8.5	9.5	14.5	13.0	14.0
30	---	---	---	5.5	5.0	5.0	12.0	9.5	11.0	16.0	13.0	14.5
31	---	---	---	6.5	4.5	5.5	---	---	---	17.0	14.5	15.5
MONTH	3.5	.0	.0	9.5	1.5	5.0	12.0	4.0	7.5	21.5	9.5	14.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.5	16.5	17.0	21.5	18.0	20.0	21.0	20.0	20.5	23.0	22.0	22.5
2	19.0	16.5	18.0	22.5	19.0	20.5	23.5	20.5	21.5	22.5	21.0	21.5
3	19.0	17.0	18.0	21.5	20.0	20.5	24.5	22.5	23.0	21.5	20.0	21.0
4	18.0	16.0	17.0	21.5	19.0	20.0	24.0	21.5	23.0	22.5	20.0	21.0
5	17.0	14.5	15.5	23.0	19.5	21.0	23.5	20.5	22.0	20.5	17.5	19.0
6	14.5	12.5	13.5	22.0	19.0	20.5	22.0	20.0	21.0	---	---	---
7	13.5	11.5	12.5	21.0	18.5	20.0	22.0	19.0	20.5	---	---	---
8	15.5	13.5	14.5	21.0	17.5	19.0	24.5	21.0	22.5	---	---	---
9	17.5	15.0	16.0	21.5	18.0	19.5	25.5	22.5	24.0	---	---	---
10	19.5	16.5	18.0	22.5	19.5	21.0	25.0	23.0	24.0	---	---	---
11	21.0	18.5	19.5	23.5	20.0	21.5	23.5	21.0	22.5	---	---	---
12	20.0	18.0	19.5	23.5	19.5	22.0	21.0	17.0	18.5	---	---	---
13	18.0	15.5	16.5	23.5	20.5	22.0	19.0	16.5	17.5	20.0	17.5	18.5
14	15.5	14.5	15.0	23.5	21.5	22.5	18.5	17.5	18.0	18.5	16.5	17.5
15	16.5	14.5	15.0	22.5	19.5	21.0	21.0	17.0	19.0	18.0	17.0	17.5
16	19.0	16.5	17.5	19.5	18.5	19.0	22.0	19.5	20.5	17.0	14.5	15.5
17	19.5	18.5	19.0	19.5	18.0	18.5	21.5	19.5	20.5	15.5	13.5	14.5
18	19.0	16.0	17.0	21.0	18.5	19.5	20.0	18.5	19.0	16.5	14.0	15.5
19	17.5	15.5	16.5	20.5	19.0	19.5	20.0	17.5	18.5	17.0	15.5	16.5
20	20.0	17.0	18.5	22.0	18.0	20.0	20.5	17.0	19.0	19.5	16.5	18.0
21	19.5	18.5	19.0	21.0	19.0	20.0	20.5	17.0	19.0	19.5	17.5	18.5
22	19.5	18.0	18.5	21.0	18.5	19.5	21.5	18.0	19.5	18.0	16.0	17.0
23	19.5	18.0	18.5	22.0	18.5	20.5	20.5	18.0	19.0	16.5	15.0	15.5
24	19.5	18.0	19.0	21.5	20.0	21.0	21.0	17.5	19.0	15.5	14.5	15.0
25	22.0	19.0	20.5	21.5	20.0	20.5	21.5	18.5	20.0	14.5	13.0	14.0
26	21.5	20.5	21.0	21.0	19.5	20.5	22.0	19.0	20.5	14.0	12.5	13.0
27	20.5	19.0	20.0	21.5	19.5	20.5	21.5	19.5	20.5	14.5	12.0	13.0
28	20.0	18.0	19.0	24.0	20.5	22.0	21.5	19.5	20.5	15.5	13.5	14.0
29	20.5	18.5	19.5	23.0	22.0	22.5	22.0	20.5	21.5	14.5	11.5	13.0
30	21.0	19.0	20.0	22.0	20.0	21.0	23.0	20.5	21.5	14.5	11.5	13.0
31	---	---	---	21.0	19.5	20.0	23.5	21.5	22.5	---	---	---
MONTH	22.0	11.5	17.5	24.0	17.5	20.5	25.5	16.5	20.5	---	---	---

01427510 DELAWARE RIVER AT CALLICOON, NY

LOCATION.--Lat 41°45'24", long 75°03'28", Wayne County, Pennsylvania, Hydrologic Unit 02040101, on right bank, 0.5 mi downstream from Callicoon Creek, 0.5 mi downstream from Interstate Bridge 7, and 0.8 mi southeast of Callicoon. Water-quality sampling site at discharge station.
DRAINAGE AREA.--1,820 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1975 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area. WDR NY-86-1: 1975-84 (M).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 734.88 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to September 1954, entire flow from 371 mi^2 of drainage area controlled by Pepacton Reservoir (see Reservoirs in Delaware River Basin), and subsequent to October 1963, entire flow from 454 mi^2 of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during period of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 95,600 ft^3/s, Jan. 19, 1996, gage-height, 16.31 ft; minimum discharge, 306 ft^3/s, Sept. 24, 25, 1997; minimum gage height, 2.20 ft, Sept. 13, 1977, Aug. 23, 1985.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,700 ft^3/s, Feb. 28, gage height, 7.99 ft; maximum gage height, 8.93 ft, Feb. 26 (ice jam); minimum discharge, 613 ft^3/s, Sept. 8, 9, gage height, 2.71 ft.

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

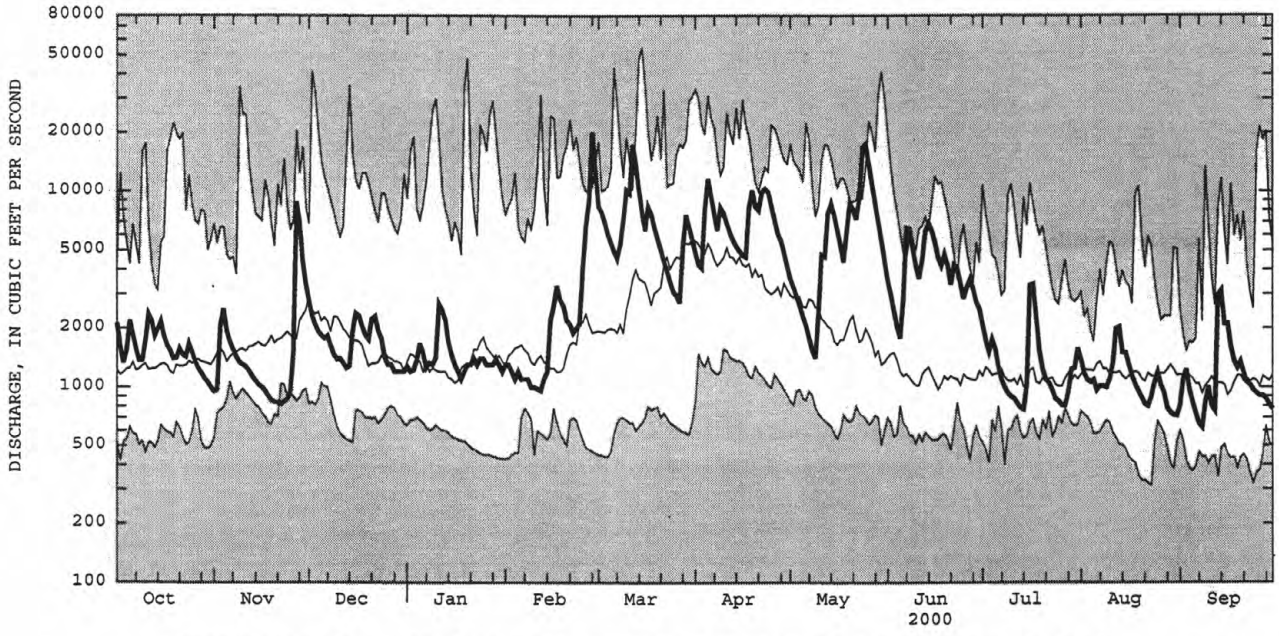
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2120	950	2760	1270	e1300	8390	4860	3580	3520	2090	1380	804
2	1610	964	2320	1200	e1300	7780	4230	3250	2980	1740	1180	1100
3	1330	2040	2090	1220	e1200	6950	4070	2920	2460	1520	1090	1230
4	1550	2510	1930	1370	e1100	6040	8120	2620	2040	1750	1060	972
5	2190	1920	1840	1670	e1200	5480	11600	2310	1780	1580	1090	835
6	1850	1700	1780	1490	e1100	4930	9510	2070	2830	1280	963	734
7	1570	1560	1830	1260	e1100	4550	7670	1790	6490	1100	1010	651
8	1370	1430	1630	1330	e1100	5350	6340	1550	6430	1000	1010	622
9	1370	1340	1470	1300	e1000	7040	8250	1410	5110	933	994	837
10	1720	1300	1390	1420	e1000	10100	7730	2380	4150	895	1100	1010
11	2350	1270	1400	2660	e980	9760	6880	4730	3600	877	1320	802
12	2180	1210	1330	2480	e960	17400	6160	4630	4440	826	1980	759
13	1830	1140	1250	2200	e1100	13800	5640	7650	6240	784	2020	2960
14	1980	1080	1280	1700	e1200	10200	5240	8590	6830	768	1500	3120
15	2160	1030	1910	1460	e2200	7860	4960	7530	6280	1030	1500	2110
16	1820	1000	2380	e1300	e2600	6330	4720	6340	5470	3310	1300	2110
17	1640	958	2310	e1200	e3300	8340	4630	5310	4600	3360	1140	1610
18	1540	901	2040	e1100	e2800	7660	8250	4360	4190	2280	1030	1360
19	1400	856	1850	e1200	e2600	6560	10100	6220	4750	1530	950	1260
20	1410	839	1760	e1300	e2200	5740	8360	8690	4190	1230	883	1350
21	1570	831	2220	e1300	e2100	5030	8000	8050	3350	1090	815	1180
22	1470	817	2290	e1400	e1900	4420	9890	7200	4210	1050	797	1060
23	1430	842	1940	e1300	e2000	3930	10300	9200	4070	965	893	1030
24	1660	864	1760	e1400	e2100	3460	9910	16600	3400	874	1050	966
25	1510	946	1420	e1400	e4000	3080	8430	17300	2840	845	1180	930
26	1350	1520	e1300	e1300	e6600	2940	7140	13700	3220	807	1020	905
27	1250	8810	e1300	e1300	9030	2710	6090	10800	3540	804	930	905
28	1180	6900	e1200	e1300	20100	5260	5600	8630	3190	943	778	873
29	1110	4370	e1200	e1400	12700	7560	4860	6960	2720	1230	740	813
30	1060	3370	e1200	e1300	---	6570	4140	5610	2510	1250	719	771
31	999	---	e1200	e1200	---	5680	---	4460	---	1580	713	---
TOTAL	49579	55268	53580	44730	91870	210900	211680	196440	121430	41321	34135	35669
MEAN	1599	1842	1728	1443	3168	6803	7056	6337	4048	1333	1101	1189
MAX	2350	8810	2760	2660	20100	17400	11600	17300	6830	3360	2020	3120
MIN	999	817	1200	1100	960	2710	4070	1410	1780	768	713	622

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	2017	2629	2636	2530	2695	4665	5678	3591	1784	1399	1296	1409
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	691624		1146602			
ANNUAL MEAN	1895		3133		2688	
HIGHEST ANNUAL MEAN					3972	1978
LOWEST ANNUAL MEAN					1434	1985
HIGHEST DAILY MEAN	21800	Jan 24	20100	Feb 28	54800	Mar 15 1986
LOWEST DAILY MEAN	640	Jan 1	622	Sep 8	312	Aug 23 1985
ANNUAL SEVEN-DAY MINIMUM	797	Jan 1	774	Sep 6	354	Aug 17 1985
10 PERCENT EXCEEDS	3380		7660		6080	
50 PERCENT EXCEEDS	1430		1730		1400	
90 PERCENT EXCEEDS	912		905		794	

e Estimated



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

01427510 DELAWARE RIVER AT CALLICOON, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF 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. Interruption of record was due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum recorded, (water years 1976-2000), 30.5°C, July 12, 1987; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 27.0°C, Aug. 9; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.5	14.5	15.5	11.0	9.0	10.0	2.5	.5	1.5	.5	.0	.0
2	16.5	13.5	15.0	12.0	9.0	10.0	1.0	.0	.5	.5	.0	.0
3	15.0	14.0	14.5	12.0	9.0	10.5	2.0	.5	1.0	1.0	.0	.5
4	14.0	12.5	13.0	9.0	6.5	8.0	3.5	2.0	2.5	3.0	1.0	2.0
5	12.5	11.0	12.0	7.5	5.5	6.5	5.5	3.5	4.5	2.5	.0	.5
6	11.5	10.0	11.0	8.0	5.5	7.0	6.5	5.0	6.0	.5	.0	.0
7	10.5	8.5	9.5	7.0	5.0	6.0	6.5	5.0	6.0	.5	.0	.0
8	10.5	7.5	9.0	5.5	4.0	5.0	5.0	4.0	4.5	.0	.0	.0
9	12.5	9.5	11.0	6.5	4.5	5.5	4.0	3.0	3.5	.5	.0	.0
10	12.0	11.0	11.5	8.0	5.5	6.5	3.0	2.5	3.0	1.0	.5	.5
11	14.0	12.0	13.0	8.0	6.5	7.5	3.0	1.5	2.0	1.5	.5	1.0
12	13.5	11.5	12.5	6.5	5.0	5.5	2.0	.5	1.5	2.5	1.5	2.0
13	13.0	10.5	11.5	6.0	5.5	5.5	2.0	.5	1.5	1.5	.0	1.0
14	12.5	10.0	11.5	5.5	4.5	5.0	2.5	1.5	2.0	.0	.0	.0
15	11.0	9.0	10.0	5.0	3.5	4.0	3.0	1.5	2.5	.0	.0	.0
16	11.5	8.5	10.0	3.5	2.0	2.5	4.0	3.0	3.5	.0	.0	.0
17	12.0	10.0	11.0	2.0	.5	1.5	3.5	2.5	3.0	.0	.0	.0
18	12.0	10.5	11.5	2.0	.0	1.5	2.5	1.5	2.0	.0	.0	.0
19	11.0	9.0	10.0	4.0	2.0	3.0	1.5	.5	1.0	.0	.0	.0
20	10.0	9.5	9.5	4.0	2.5	3.0	1.5	.5	1.0	.0	.0	.0
21	10.5	8.5	9.5	5.5	4.0	4.5	2.0	1.5	1.5	.0	.0	.0
22	9.5	8.0	9.0	7.0	5.0	6.0	2.0	1.0	1.5	.0	.0	.0
23	9.0	8.0	8.5	8.5	6.5	7.5	1.0	.0	.5	.0	.0	.0
24	9.0	7.5	8.0	10.5	8.0	9.5	.0	.0	.0	.0	.0	.0
25	9.0	7.0	8.0	10.0	9.0	9.5	.0	.0	.0	.0	.0	.0
26	9.0	6.5	8.0	11.0	8.5	9.0	.0	.0	.0	.0	.0	.0
27	8.0	6.5	7.0	10.5	9.0	9.5	.0	.0	.0	.0	.0	.0
28	8.0	5.5	7.0	9.0	6.5	8.0	.0	.0	.0	.0	.0	.0
29	8.5	5.5	7.0	6.5	4.5	5.5	.0	.0	.0	.0	.0	.0
30	9.5	6.5	8.0	4.5	2.5	4.0	.0	.0	.0	.0	.0	.0
31	11.0	8.0	9.5	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	16.5	5.5	10.5	12.0	.0	6.0	6.5	.0	2.0	3.0	.0	.5

01427510 DELAWARE RIVER AT CALLICOON, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	3.0	2.5	2.5	7.5	5.0	6.0	12.0	10.0	10.5
2	.0	.0	.0	3.0	2.5	2.5	7.0	6.5	6.5	13.0	10.5	11.0
3	.0	.0	.0	2.5	1.5	2.0	8.0	6.5	7.0	14.0	10.0	12.0
4	.0	.0	.0	3.0	1.5	2.5	9.0	7.5	8.5	16.0	11.5	13.5
5	.0	.0	.0	3.5	2.5	3.0	8.5	5.0	7.0	17.0	13.5	15.5
6	.0	.0	.0	4.5	2.5	3.5	6.0	4.0	5.0	19.5	15.0	17.0
7	.0	.0	.0	5.0	3.0	4.0	7.0	6.0	6.5	21.5	16.5	19.0
8	.0	.0	.0	6.0	4.5	5.0	9.5	7.0	8.0	23.0	18.0	20.5
9	.0	.0	.0	6.5	5.5	6.0	9.0	4.5	6.5	24.0	18.5	21.0
10	.0	.0	.0	6.0	5.0	5.5	5.5	4.0	4.5	21.5	15.5	18.5
11	.0	.0	.0	5.0	3.5	4.0	5.0	4.5	4.5	16.5	15.0	15.5
12	.0	.0	.0	3.5	3.0	3.5	5.5	4.5	5.0	15.0	13.5	14.5
13	.0	.0	.0	3.0	2.0	2.5	6.5	4.0	5.5	15.0	13.0	14.0
14	.0	.0	.0	4.0	2.5	3.0	8.5	6.0	7.0	15.5	14.5	15.0
15	.0	.0	.0	4.5	3.5	4.0	10.0	7.5	9.0	14.5	12.5	13.5
16	.0	.0	.0	6.0	4.5	5.0	12.5	9.5	11.0	13.5	11.5	12.5
17	.0	.0	.0	6.0	3.0	5.0	11.0	8.5	10.0	15.0	13.0	14.0
18	.0	.0	.0	3.0	2.0	2.5	8.5	6.5	7.0	16.0	14.0	15.0
19	.0	.0	.0	4.0	2.5	3.0	7.5	6.0	7.0	15.0	12.5	14.0
20	.0	.0	.0	4.5	3.5	4.0	9.0	7.5	8.5	12.5	10.5	11.0
21	.0	.0	.0	5.0	4.5	5.0	9.0	8.0	8.5	11.0	10.5	10.5
22	.0	.0	.0	6.5	5.0	5.5	8.0	7.5	8.0	11.5	11.0	11.0
23	.0	.0	.0	8.5	5.5	7.0	8.0	7.0	7.5	12.0	11.0	11.5
24	.0	.0	.0	9.0	6.5	7.5	9.0	6.5	8.0	13.5	12.0	13.0
25	.0	.0	.0	9.0	7.0	8.0	10.0	8.5	9.5	13.5	12.5	13.0
26	.0	.0	.0	10.0	7.5	8.5	10.0	9.0	9.0	13.0	12.5	12.5
27	1.0	.0	.5	9.0	6.5	8.0	9.0	8.0	8.5	13.5	12.0	12.5
28	1.5	.0	1.0	8.0	6.5	7.5	9.5	8.0	9.0	14.5	13.0	13.5
29	3.0	1.5	2.5	6.5	5.0	6.0	11.0	8.5	10.0	14.5	13.5	14.0
30	---	---	---	5.5	5.0	5.0	12.5	10.0	11.0	16.0	13.5	15.0
31	---	---	---	6.0	4.5	5.5	---	---	---	17.5	15.0	16.0
MONTH	3.0	.0	.0	10.0	1.5	4.5	12.5	4.0	7.5	24.0	10.0	14.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	16.0	17.5	23.0	18.5	20.5	21.5	20.0	21.0	24.5	23.0	24.0
2	20.5	17.0	18.5	24.0	19.0	21.5	25.0	20.5	22.5	25.0	22.5	24.0
3	21.0	17.0	19.0	22.0	20.0	21.0	24.5	22.0	23.5	24.0	21.5	23.0
4	20.5	16.5	18.5	23.5	20.0	21.5	25.5	21.5	23.5	24.0	21.0	22.5
5	18.0	15.5	16.5	24.0	19.5	22.0	25.0	20.5	23.0	21.5	18.0	20.0
6	15.5	12.5	14.0	23.5	19.0	21.5	23.5	20.5	21.0	21.0	16.5	19.0
7	14.0	12.0	13.0	22.5	18.5	20.5	24.0	20.0	22.0	21.5	17.0	19.0
8	16.0	13.0	14.5	22.5	17.5	20.0	25.5	21.0	23.5	21.5	18.0	19.5
9	18.0	15.0	16.5	22.0	18.0	20.5	27.0	22.5	24.5	21.5	19.5	20.5
10	20.5	16.5	18.5	24.0	20.0	22.0	26.5	22.5	24.5	21.0	19.5	20.5
11	22.0	18.5	20.0	24.0	19.5	22.0	25.0	22.0	23.5	20.0	18.5	19.0
12	20.5	19.0	20.0	25.0	19.5	22.5	23.0	18.0	20.0	19.5	18.5	19.0
13	19.0	15.5	17.0	25.0	20.5	23.0	19.5	17.0	18.0	21.0	18.0	19.5
14	15.5	14.5	15.0	24.0	21.5	23.0	19.0	18.0	18.5	19.5	17.0	18.5
15	16.5	14.5	15.5	23.0	20.5	21.5	22.5	17.5	20.0	19.0	17.5	18.5
16	19.5	16.5	18.0	20.5	18.5	20.0	23.0	19.5	21.5	17.5	15.0	16.5
17	20.5	19.0	19.5	20.5	18.0	19.0	22.5	19.0	21.0	17.0	14.0	15.5
18	19.0	16.5	17.5	22.5	18.5	20.0	21.0	18.5	19.5	18.5	14.0	16.0
19	17.5	15.5	16.5	20.5	18.5	19.5	21.5	17.5	19.5	18.5	16.0	17.0
20	20.5	16.5	18.5	23.5	18.0	20.5	21.5	17.5	19.5	20.5	17.0	18.5
21	20.0	18.5	19.0	21.5	18.5	20.0	22.0	16.5	19.5	---	---	---
22	20.0	18.5	19.0	22.5	19.0	20.5	22.5	17.5	20.0	19.0	---	---
23	20.5	18.0	19.0	24.0	18.5	21.0	21.5	19.0	19.5	17.5	15.5	16.0
24	20.5	18.0	19.0	22.5	19.5	21.0	23.0	18.5	20.5	16.5	15.0	16.0
25	23.0	19.0	20.5	23.0	19.5	21.5	23.5	18.5	21.0	15.5	13.0	14.5
26	23.5	20.5	21.5	22.0	20.0	20.5	23.5	19.0	21.5	15.0	13.0	13.5
27	21.5	19.5	20.5	23.0	20.0	21.0	23.0	20.0	21.5	16.0	12.0	14.0
28	21.0	18.0	19.5	25.5	21.0	23.0	23.0	20.0	21.5	15.0	13.0	14.0
29	22.0	19.0	20.5	24.0	21.5	22.5	23.0	21.0	22.0	14.5	11.0	13.0
30	22.0	18.5	20.0	22.5	21.0	22.0	24.0	20.5	22.0	15.0	11.5	13.5
31	---	---	---	22.5	20.5	21.5	25.0	22.0	23.5	---	---	---
MONTH	23.5	12.0	18.0	25.5	17.5	21.0	27.0	16.5	21.5	---	---	---

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY

LOCATION.--Lat 41°30'32", long 74°59'10", Sullivan County, Hydrologic Unit 02040101, on left bank, 1.6 mi upstream from Lackawaxen River, and 4.6 mi northwest of Barryville. Water-quality sampling site at discharge station.
DRAINAGE AREA.--2,020 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1940 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 600.22 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to September 1954, entire flow from 371 mi^2 of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi^2 of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow of these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130,000 ft^3/s, Aug. 19, 1955, gage height, 26.40 ft, from floodmarks in gage house, from rating curve extended above 55,000 ft^3/s, on basis of slope-area measurement at gage height 23.19 ft; minimum discharge, 122 ft^3/s, Sept. 5, 1953, gage height, 1.11 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,100 ft^3/s, Feb. 28, gage height, 10.86 ft; minimum, 666 ft^3/s, Sept. 9, gage height, 2.39 ft.

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	2140	993	3480	1340	e1300	10800	6030	4610	4580	2840	1730	817
2	1860	981	2890	1260	e1400	9480	5350	4160	3880	2300	1420	1090
3	1400	1780	2530	1350	e1300	8580	4860	3750	3280	1930	1220	1250
4	1410	3060	2280	1530	e1200	7480	7520	3350	2740	2060	1180	1180
5	2370	2290	2150	1900	e1300	6840	12900	3010	2380	2070	1190	979
6	2160	1900	2050	1810	e1200	6270	10700	2730	4430	1610	1090	845
7	1730	1690	2130	1330	e1200	5810	8830	2330	9760	1290	1360	745
8	1450	1520	1930	1290	e1200	6300	7410	2060	8710	1160	1230	688
9	1350	1390	1670	1240	e1100	7840	8950	1770	6830	1080	1110	733
10	1650	1330	1530	1450	e1000	10700	9060	2760	5590	1020	1150	960
11	2510	1290	1510	3230	e980	10900	8250	6000	4750	989	1270	980
12	2700	1250	1440	3350	e1000	19200	7360	5710	5490	945	6000	803
13	2110	1180	1330	2760	e1100	16800	6800	8610	7290	893	4800	2090
14	2110	1130	1350	2000	e1300	12100	6280	9580	8190	855	2770	4440
15	2430	1070	2320	1320	e2000	9400	5960	8870	7790	997	2170	2620
16	2110	1040	3050	e1200	e2800	7720	5730	7540	6860	3030	1910	2520
17	1820	1010	3000	e1200	e3500	9590	5500	6470	5900	4410	1480	1940
18	1660	948	2630	e1100	e3000	9480	8490	5520	5370	3320	1290	1520
19	1490	907	2290	e1300	e2700	8000	11500	7260	5790	2020	1160	1310
20	1440	873	2090	e1400	e2300	7080	9710	10300	5410	1500	1070	1470
21	1620	868	2720	e1400	e2200	6290	8970	9790	4380	1250	973	1290
22	1650	860	2910	e1500	e2000	5640	11400	8480	5010	1160	906	1130
23	1490	841	2470	e1400	e2100	5050	11900	10400	5290	1110	953	1030
24	1660	877	2010	e1500	e2200	4500	11600	16100	4450	1000	1100	1040
25	1650	973	1530	e1500	e4400	3980	9910	20300	3750	939	1260	956
26	1430	1070	1320	e1400	e6200	3800	8560	15800	3840	920	1180	956
27	1290	8570	1590	e1400	9550	3510	7410	12400	4580	892	1050	961
28	1220	8790	1590	e1400	23700	5330	6860	9940	4250	925	937	936
29	1150	5670	1270	e1500	17200	8920	6130	8200	3620	1290	834	878
30	1100	4310	1420	e1400	---	7800	5310	6830	3250	1200	806	823
31	1040	---	1560	e1300	---	6890	---	5680	---	1930	783	---
TOTAL	53200	60461	64040	49060	102430	252080	245240	230310	157440	48935	47382	38980
MEAN	1716	2015	2066	1583	3532	8132	8175	7429	5248	1579	1528	1299
MAX	2700	8790	3480	3350	23700	19200	12900	20300	9760	4410	6000	4440
MIN	1040	841	1270	1100	980	3510	4860	1770	2380	855	783	688

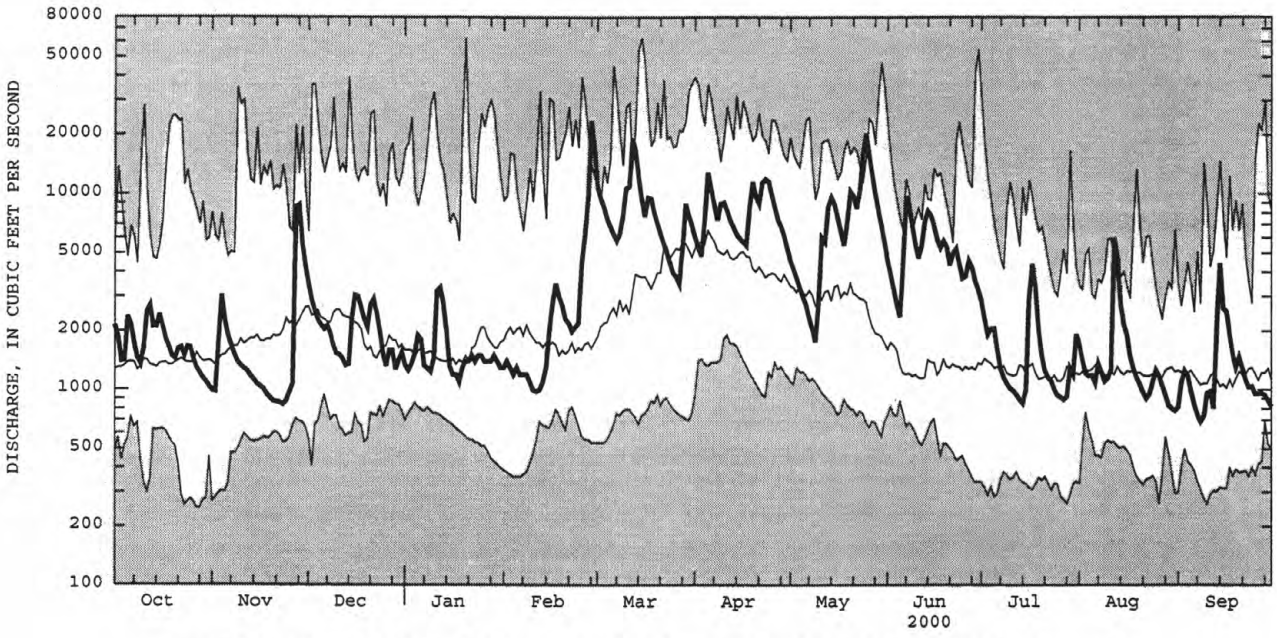
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	2016	2758	3080	2803	2993	5201	6479	4129	2314	1649	1395	1492
MAX	7404	7448	11940	8335	9389	12050	16500	8615	6701	4087	3033	4186
(WY)	1978	1997	1997	1978	1976	1977	1993	1984	1972	1996	1994	1987
MIN	527	610	1114	687	712	1399	1878	1161	673	328	465	448
(WY)	1964	1965	1999	1977	1980	1981	1985	1965	1965	1965	1965	1965

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	801820		1349558			
ANNUAL MEAN	2197		3687		3024	
HIGHEST ANNUAL MEAN					4650	1973
LOWEST ANNUAL MEAN					1297	1965
HIGHEST DAILY MEAN	25900	Jan 25	23700	Feb 28	63000	Jan 20 1996
LOWEST DAILY MEAN	700	Jan 1	688	Sep 8	250	Oct 27 1963
ANNUAL SEVEN-DAY MINIMUM	882	Nov 18	822	Sep 6	264	Oct 23 1963
10 PERCENT EXCEEDS	4290		8840		6730	
50 PERCENT EXCEEDS	1510		2040		1640	
90 PERCENT EXCEEDS	988		980		865	

e Estimated

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY--Continued



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

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.
CHEMICAL DATA: 1971-73 (a).
NUTRIENT DATA: 1971 (a).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1967 to current year (no winter record for water years 1969-76).
INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. Prior to October 1995, water-temperature recorder provided one-hour-interval readings. Prior to October 1975, water-temperature recorder provided continuous readings.
REMARKS.--Interruptions of record were due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1968-75, 1980-81, 1983, 1985-96, 1999-2000), 32.5°C, July 9, 10, 1993; minimum (water years 1968, 1977-2000), 0.0°C, on many days during winter periods, each year except water years 1980-82.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 27.5°C, Aug. 9, 10; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.5	16.5	17.5	13.5	---	---	4.0	2.0	3.0	1.0	.0	.5
2	18.0	15.5	17.0	---	---	---	2.5	1.0	1.5	1.5	.0	.5
3	17.0	15.5	16.0	12.0	---	---	2.0	1.0	1.5	1.5	.5	1.0
4	16.0	14.5	15.0	10.5	---	---	3.5	1.5	2.5	3.0	1.5	2.0
5	14.5	12.5	13.5	9.5	8.0	9.0	5.5	3.0	4.5	2.0	.5	1.0
6	13.5	11.5	12.5	9.5	8.0	8.5	6.0	4.5	5.5	1.0	.0	.5
7	13.0	10.5	11.5	8.5	6.5	7.5	6.5	5.0	6.0	1.5	.0	.5
8	13.0	9.5	11.0	7.5	6.0	6.5	6.0	4.5	5.0	1.0	.0	.5
9	13.5	11.0	12.5	8.5	6.0	7.0	5.5	4.0	4.5	1.5	.0	.5
10	13.5	12.5	13.0	8.5	6.5	8.0	4.0	3.5	3.5	1.0	.5	1.0
11	15.5	13.0	14.0	9.5	7.5	8.5	4.0	2.0	3.0	1.5	.5	1.0
12	---	---	---	7.5	6.5	7.0	3.0	1.5	2.0	2.5	1.5	1.5
13	14.5	---	---	7.0	6.5	7.0	2.0	1.0	1.5	2.0	.0	1.5
14	14.5	---	---	7.0	6.0	6.5	2.5	2.0	2.0	.0	.0	.0
15	13.5	---	---	6.0	4.5	5.5	3.0	2.5	2.5	.5	.0	.0
16	13.0	---	---	4.5	3.5	4.0	4.0	3.0	3.5	.5	.0	.0
17	---	---	---	5.0	2.5	3.5	3.5	3.0	3.0	.0	.0	.0
18	15.0	---	---	4.5	1.5	3.0	3.0	2.0	2.5	.5	.0	.0
19	14.0	---	---	5.5	3.0	4.0	2.5	1.5	2.0	.5	.0	.0
20	---	---	---	5.5	3.5	4.5	1.5	1.0	1.5	.0	.0	.0
21	14.0	---	---	6.5	5.0	5.5	2.0	1.5	1.5	.0	.0	.0
22	---	---	---	7.5	5.5	6.5	2.5	1.5	2.0	.0	.0	.0
23	11.5	---	---	8.5	7.0	8.0	1.5	.5	1.0	.0	.0	.0
24	10.5	---	---	10.5	8.5	9.5	.5	.0	.0	.0	.0	.0
25	11.5	---	---	10.0	9.5	9.5	.5	.0	.0	.0	.0	.0
26	11.5	---	---	10.5	9.5	10.0	.5	.0	.0	.0	.0	.0
27	---	---	---	10.5	9.5	10.0	.5	.0	.0	.0	.0	.0
28	11.0	---	---	9.5	8.0	9.0	.5	.0	.0	.0	.0	.0
29	11.0	---	---	8.0	6.0	6.5	.5	.0	.5	.0	.0	.0
30	12.0	---	---	6.0	4.0	5.0	.5	.0	.5	.0	.0	.0
31	13.0	---	---	---	---	---	.5	.0	.5	.0	.0	.0
MONTH	---	---	---	---	---	---	6.5	.0	2.0	3.0	.0	.5

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	3.0	2.5	3.0	7.5	5.5	6.5	12.0	11.0	11.5
2	.0	.0	.0	3.0	3.0	3.0	8.0	6.5	7.5	12.5	11.5	12.0
3	.0	.0	.0	3.0	2.0	2.5	8.5	7.5	8.0	14.0	11.5	12.5
4	.0	.0	.0	3.0	1.5	2.5	9.5	8.5	9.0	15.5	13.0	14.0
5	.0	.0	.0	4.0	2.5	3.5	9.5	6.5	8.0	17.5	14.5	16.0
6	.0	.0	.0	4.5	3.0	3.5	6.5	5.0	5.5	19.0	16.0	17.5
7	.0	.0	.0	5.0	3.5	4.5	7.5	6.0	6.5	21.5	17.5	19.0
8	.0	.0	.0	6.5	4.5	5.5	10.0	7.5	8.5	23.0	19.5	21.0
9	.0	.0	.0	7.0	6.0	6.5	10.0	6.0	8.0	24.5	20.5	22.0
10	.0	.0	.0	7.0	6.0	6.5	6.0	4.5	5.5	22.5	18.0	20.5
11	.0	.0	.0	6.0	4.0	5.0	5.5	5.0	5.0	18.0	16.5	17.0
12	.5	.0	.0	4.0	3.5	4.0	6.0	4.5	5.0	17.0	15.5	16.0
13	.0	.0	.0	3.5	2.5	3.0	7.0	4.5	5.5	15.5	14.5	15.0
14	.5	.0	.0	4.0	2.5	3.5	9.0	6.0	7.5	16.5	15.0	15.5
15	.0	.0	.0	5.0	3.5	4.5	10.5	7.5	9.0	16.0	14.0	14.5
16	.0	.0	.0	6.0	4.5	5.0	12.5	10.0	11.0	14.0	12.5	13.5
17	.5	.0	.0	6.0	4.0	5.5	12.5	10.0	11.0	15.0	13.0	14.0
18	.0	.0	.0	4.0	2.5	3.5	10.0	7.0	8.5	16.5	14.5	15.5
19	.0	.0	.0	4.5	2.5	3.5	8.0	6.5	7.5	16.0	13.5	15.0
20	.0	.0	.0	5.5	3.5	4.5	9.5	8.0	9.0	13.5	11.5	12.5
21	.5	.0	.0	5.5	4.5	5.0	9.5	9.0	9.5	11.5	11.0	11.0
22	.5	.0	.0	7.0	5.0	6.0	9.0	8.0	8.5	11.5	11.0	11.5
23	.5	.0	.0	8.5	6.0	7.0	8.5	8.0	8.0	12.5	11.5	12.0
24	.5	.0	.0	9.5	7.5	8.5	9.5	7.5	8.5	14.0	12.5	13.5
25	.0	.0	.0	9.5	8.5	8.5	11.0	9.0	10.0	14.5	13.5	14.0
26	.5	.0	.0	10.0	8.5	9.0	10.5	9.0	10.0	14.0	13.5	14.0
27	1.0	.0	.5	9.5	8.5	9.0	10.0	8.5	9.5	14.0	12.5	13.5
28	1.0	.0	.5	9.0	8.0	8.5	10.5	8.5	9.5	15.0	13.5	14.0
29	3.0	1.0	2.0	8.0	6.5	7.0	11.5	9.0	10.5	15.0	14.0	14.5
30	---	---	---	6.5	5.5	6.0	12.5	10.5	11.5	16.5	14.0	15.0
31	---	---	---	6.5	5.0	6.0	---	---	---	17.5	15.0	16.5
MONTH	3.0	.0	.0	10.0	1.5	5.0	12.5	4.5	8.0	24.5	11.0	15.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.0	17.0	18.0	23.5	20.0	21.5	22.5	21.5	22.0	25.5	23.0	24.0
2	21.0	18.5	19.5	24.5	21.0	22.5	25.0	21.5	23.0	26.5	23.5	24.5
3	21.0	19.0	20.0	23.5	21.5	22.5	26.5	23.0	24.5	26.5	23.5	24.5
4	20.5	18.5	19.5	25.0	21.5	23.0	27.0	23.0	25.0	26.0	22.5	24.5
5	19.0	17.0	18.0	25.5	22.0	23.5	26.0	22.0	24.0	24.5	20.0	22.0
6	17.0	13.5	15.0	24.5	21.0	22.5	23.5	22.0	22.5	23.5	18.5	21.0
7	15.0	13.0	14.0	23.5	20.5	22.0	24.0	21.5	22.5	23.0	18.5	20.5
8	16.0	14.0	15.0	24.0	19.0	21.5	26.5	21.5	24.0	22.5	18.5	20.5
9	18.0	15.5	16.5	23.5	19.5	21.5	27.5	23.5	25.5	23.0	20.0	21.0
10	20.0	17.5	19.0	26.0	21.0	23.0	27.5	24.0	25.5	23.0	20.5	21.5
11	21.5	20.0	20.5	26.0	21.0	23.5	26.5	24.0	25.0	22.0	20.5	21.0
12	21.0	20.0	20.5	27.0	20.5	23.5	24.5	17.5	21.0	21.5	20.0	20.5
13	20.0	17.0	18.5	26.0	22.0	24.0	19.0	17.5	18.0	21.5	19.5	20.5
14	17.0	15.0	16.0	26.0	22.5	24.0	20.0	18.5	19.0	20.0	19.0	19.5
15	16.5	15.0	15.5	23.5	22.0	22.5	22.5	18.5	20.5	20.0	18.5	19.0
16	19.5	16.5	18.0	23.0	21.0	22.0	23.5	20.5	21.5	18.5	16.5	18.0
17	21.0	19.5	20.0	21.5	20.0	20.5	23.5	20.0	21.5	18.0	15.0	16.5
18	20.5	18.0	19.0	23.0	20.5	21.5	21.0	19.5	20.0	19.0	15.0	17.0
19	18.5	17.0	17.5	21.5	20.0	21.0	21.5	18.5	20.0	18.0	16.5	17.0
20	20.0	17.0	18.5	24.0	19.0	21.5	23.0	18.0	20.0	21.0	17.0	19.0
21	20.0	19.5	20.0	23.5	20.0	22.0	23.5	18.0	20.5	21.5	18.5	19.5
22	21.0	19.5	20.5	24.0	20.5	22.0	24.0	18.5	21.0	21.0	17.0	19.0
23	21.0	19.5	20.0	23.5	19.5	21.5	21.0	20.0	20.5	18.0	16.5	17.0
24	21.0	19.5	20.5	23.0	20.0	21.5	23.5	19.5	21.5	17.5	15.5	17.0
25	23.0	20.5	21.5	24.0	20.5	22.0	24.5	20.0	22.0	17.5	14.5	15.5
26	24.0	22.0	23.0	22.0	20.5	21.5	25.0	20.5	22.5	15.5	13.5	14.5
27	23.0	21.5	22.5	22.0	20.5	21.0	25.0	21.0	23.0	17.5	12.5	14.5
28	22.0	20.5	21.5	26.0	20.5	22.5	24.5	21.5	22.5	17.0	13.5	15.0
29	21.5	20.5	21.0	24.5	23.0	23.5	24.5	22.0	23.0	17.0	12.0	14.0
30	22.5	20.5	21.0	23.5	22.0	22.5	25.0	21.0	22.5	16.5	12.5	14.5
31	---	---	---	24.0	21.5	22.5	26.0	22.5	24.0	---	---	---
MONTH	24.0	13.0	19.0	27.0	19.0	22.5	27.5	17.5	22.0	26.5	12.0	19.0

01432160 DELAWARE RIVER AT BARRYVILLE, NY

LOCATION.--Lat 41°28'31", long 74°54'46", Pike County, Pa., Hydrologic Unit 02040104, at Shohola-Barryville Bridge at Barryville, just upstream from Halfway Brook, and 1,000 ft upstream from Shohola Creek.
DRAINAGE AREA.--2,659 mi^2.
PERIOD OF RECORD.--Water years 1958, 1968 to current year.
CHEMICAL DATA: 1958 (d), 1969 (a), 1973 (b), 1974 (d), 1975 (b).
NUTRIENT DATA: 1973 (b), 1974 (d), 1975 (b).
BIOLOGICAL DATA:
Bacteria.--1973 (b), 1974 (d), 1975 (b).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1967 to September 1973, March 1975 to current year.
INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. From March 1975 to February 1994, water-temperature recorder provided one-hour-interval readings. Prior to September 1973, water-temperature recorder provided continuous recordings.
REMARKS.--Unpublished records of daily temperatures for May to September 1964-66 are available in files of the Geological Survey. Temperature probe may be influenced by solar radiation during periods of low flow. Interruption of record was due to malfunction of recording instrument.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1968-73, 1976-78, 1980-82, 1986-88, 1990-2000), 32.0°C, July 20, 21, 1980; minimum, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 26.5°C, Aug. 9; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.5	15.0	16.0	12.0	10.0	11.0	4.0	1.5	2.5	1.0	.0	.5
2	17.0	14.5	16.0	13.0	10.5	11.5	2.5	.5	1.5	1.5	.0	1.0
3	16.0	14.5	15.5	13.0	10.0	11.5	3.0	1.0	2.0	3.5	1.0	2.0
4	15.0	13.5	14.5	10.0	8.5	9.0	4.5	2.0	3.0	5.0	2.5	3.5
5	14.5	13.0	13.5	9.5	7.5	8.5	6.0	4.0	5.0	4.5	1.0	2.5
6	13.0	11.5	12.5	9.0	7.5	8.5	6.5	5.0	5.5	2.0	.0	.5
7	12.5	10.0	11.0	8.5	6.0	7.0	6.5	5.0	6.0	2.0	.0	1.0
8	12.0	9.5	11.0	6.5	5.0	6.0	5.5	4.0	5.0	1.5	.0	.5
9	13.0	11.0	12.0	7.5	5.0	6.5	5.0	3.0	4.0	2.0	.0	1.0
10	13.0	12.0	12.5	8.5	6.5	7.5	4.5	3.0	3.5	3.0	1.0	2.0
11	15.0	12.5	13.5	8.5	6.5	8.0	4.0	2.0	3.0	3.0	1.5	2.0
12	14.5	12.0	13.0	7.0	5.5	6.5	3.0	1.5	2.0	3.0	1.5	2.0
13	14.5	11.5	13.0	7.0	5.5	6.5	2.5	1.5	2.0	2.5	.0	1.5
14	14.5	12.0	13.0	6.5	5.0	6.0	3.0	2.0	2.5	.5	.0	.0
15	12.5	10.5	11.5	6.0	4.0	5.0	4.0	3.0	3.5	.5	.0	.5
16	12.0	10.0	11.0	4.5	2.0	3.5	4.5	3.5	4.0	1.0	.0	.0
17	12.5	10.5	11.5	3.0	1.5	2.5	4.0	2.5	3.5	.5	.0	.0
18	12.5	11.5	12.0	3.0	1.0	2.0	3.5	2.0	3.0	1.0	.0	.5
19	12.0	10.5	11.5	4.5	2.5	3.5	3.0	1.5	2.5	1.0	.0	.5
20	12.0	10.5	11.0	5.5	3.0	4.5	2.5	1.0	1.5	1.0	.0	.5
21	11.5	10.0	11.0	7.0	4.5	5.5	3.0	2.0	2.5	1.0	.0	.5
22	11.5	9.5	10.5	7.5	5.5	6.5	3.0	1.5	2.5	1.0	.0	.5
23	11.5	9.0	10.5	9.0	7.0	8.0	2.0	1.0	1.5	1.0	.0	.5
24	9.5	8.0	9.0	10.5	8.0	9.5	1.5	.0	.5	.5	.0	.5
25	10.5	7.5	9.0	10.0	9.0	9.5	.5	.0	.0	.5	.0	.0
26	10.5	8.0	9.5	10.0	8.5	9.5	.5	.0	.0	.5	.0	.0
27	10.0	8.5	9.5	10.5	9.0	10.0	.5	.0	.0	.5	.0	.0
28	9.5	8.0	9.0	9.5	7.5	8.5	.5	.0	.0	.5	.0	.5
29	10.0	8.0	9.0	7.5	5.5	6.5	.5	.0	.0	1.0	.0	.5
30	10.5	9.0	9.5	5.5	3.5	4.5	1.0	.0	.5	.5	.0	.5
31	11.5	9.0	10.0	---	---	---	1.0	.0	.5	.5	.0	.5
MONTH	17.5	7.5	11.5	13.0	1.0	7.0	6.5	.0	2.5	5.0	.0	1.0

01432160 DELAWARE RIVER AT BARRYVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.5	.0	.0	3.5	2.0	2.5	8.5	5.5	7.0	12.5	11.0	12.0
2	.5	.0	.5	3.5	2.5	3.0	9.0	7.0	8.0	13.5	11.5	12.5
3	.5	.0	.5	3.5	2.0	2.5	10.0	8.0	9.0	15.0	11.0	13.0
4	.5	.0	.0	4.0	1.5	3.0	10.5	9.0	9.5	16.0	12.5	14.0
5	.5	.0	.0	4.5	2.5	3.5	10.0	7.0	8.5	18.0	14.0	16.0
6	.5	.0	.0	5.0	3.0	4.0	7.5	5.5	6.5	19.5	15.0	17.5
7	.5	.0	.0	6.0	3.5	4.5	8.5	6.0	7.5	21.5	17.5	20.0
8	.5	.0	.5	7.5	5.0	6.0	11.5	7.5	9.5	23.0	20.0	21.0
9	.5	.0	.5	7.5	6.0	7.0	11.0	6.5	8.5	23.0	19.0	21.0
10	.5	.0	.0	7.5	6.0	7.0	7.5	5.0	6.0	22.5	17.5	20.5
11	.5	.0	.0	6.5	4.5	5.5	6.5	5.5	6.0	18.0	16.5	17.5
12	.5	.0	.5	5.0	3.5	4.0	7.5	5.0	6.0	17.5	15.0	16.5
13	1.0	.0	.5	4.0	2.5	3.5	8.0	5.0	6.5	16.5	14.5	15.5
14	.5	.0	.5	4.5	3.0	3.5	10.0	6.0	8.0	17.5	15.5	16.5
15	.5	.0	.0	6.0	3.5	4.5	10.5	8.0	9.0	17.0	14.5	15.5
16	1.0	.0	.5	5.5	4.5	5.0	13.0	10.5	11.5	15.5	13.0	14.0
17	1.0	.0	.5	6.0	4.0	5.0	13.0	9.5	11.5	16.0	13.5	15.0
18	.5	.0	.0	4.5	2.5	3.5	10.0	7.5	8.5	17.0	14.5	15.5
19	1.0	.0	.5	5.0	2.5	4.0	9.0	7.0	8.0	16.5	14.0	15.5
20	1.0	.0	.5	6.0	3.5	4.5	10.0	8.5	9.5	14.0	12.0	13.0
21	1.5	.0	.5	5.5	4.5	5.0	10.0	9.0	9.5	12.5	11.5	12.0
22	1.5	.0	.5	7.0	4.5	6.0	9.5	8.5	9.0	12.5	12.0	12.0
23	1.5	.0	.5	8.5	5.0	7.0	9.5	8.0	9.0	13.5	12.0	12.5
24	1.5	.0	1.0	9.0	7.0	8.0	10.5	7.5	9.0	15.0	13.0	14.0
25	1.5	.5	1.0	10.0	7.5	8.5	11.5	9.0	10.0	15.5	14.0	15.0
26	1.0	.0	.5	11.0	9.0	10.0	11.0	9.0	10.0	15.5	14.0	14.5
27	2.0	.0	1.0	9.5	7.5	8.5	10.0	8.5	9.5	15.0	13.0	14.0
28	2.0	.0	1.0	9.0	7.0	8.0	11.0	9.0	10.0	16.0	13.5	15.0
29	3.5	1.0	2.0	8.0	6.5	7.5	12.0	9.0	10.5	16.0	14.5	15.0
30	---	---	---	7.0	6.0	6.5	13.5	10.5	12.0	17.0	14.0	15.5
31	---	---	---	7.5	5.5	6.5	---	---	---	18.0	15.0	16.5
MONTH	3.5	.0	.5	11.0	1.5	5.5	13.5	5.0	9.0	23.0	11.0	15.5

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

01432805 DELAWARE RIVER AT POND EDDY, NY

LOCATION.--Lat 41°26'20", long 74°49'11", Pike County, Pa., Hydrologic Unit 02040104, at interstate bridge at Pond Eddy, 450 ft downstream from Mill Brook, and 4.5 mi upstream from Mongaup River.
DRAINAGE AREA.--2,820 mi^2.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1973 to current year.
INSTRUMENTATION.--Water-temperature recorder provides 15-minute-interval readings. Prior to August 1994, water-temperature recorder provided one-hour-interval readings.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum (water years 1976, 1978, 1980-81, 1983-84, 1986, 1989-90, 1992-2000) 31.5°C, July 5, 1999; minimum (water years 1974, 1977-78, 1980, 1983-2000), 0.0°C on many days during winter periods, except 1978, 1980, 1985.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 26.0°C, Aug. 10, Sept. 3; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.5	16.0	16.5	12.0	10.0	11.0	4.0	2.0	3.0	.5	.0	.0
2	17.5	16.0	16.5	12.0	10.5	11.0	2.0	1.0	1.5	1.0	.0	.5
3	16.5	15.5	16.0	12.0	10.0	11.5	2.0	1.0	1.5	2.0	1.0	1.5
4	15.5	14.0	15.0	10.0	8.5	9.0	3.5	2.0	2.5	4.0	2.0	3.0
5	14.0	13.0	13.5	8.5	7.5	8.0	5.0	3.5	4.5	4.0	1.0	2.5
6	13.0	12.0	12.5	9.0	8.0	8.5	6.0	5.0	5.5	1.0	.5	.5
7	12.0	10.5	11.5	8.0	6.5	7.5	6.0	5.5	6.0	1.5	.5	1.0
8	12.0	10.5	11.0	6.5	5.5	6.0	5.5	4.5	5.0	1.0	.0	.5
9	13.5	11.0	12.5	7.0	5.5	6.0	4.5	4.0	4.0	1.5	.5	.5
10	13.0	12.5	13.0	8.0	6.5	7.0	4.0	3.5	4.0	2.0	1.0	1.5
11	14.5	13.0	13.5	8.5	7.0	8.0	4.0	2.5	3.5	2.0	1.5	2.0
12	14.0	12.5	13.5	7.0	6.0	6.5	2.5	2.0	2.0	2.0	1.5	2.0
13	14.0	12.5	13.5	7.0	6.0	6.5	2.0	2.0	2.0	2.0	.5	1.5
14	14.0	12.0	13.0	6.5	6.0	6.0	2.5	2.0	2.5	.5	.0	.0
15	12.5	11.0	11.5	6.0	4.5	5.5	3.5	2.5	3.0	.0	.0	.0
16	11.5	11.0	11.5	4.5	3.0	4.0	4.0	3.5	3.5	.0	.0	.0
17	12.5	11.5	12.0	3.5	2.0	2.5	3.5	3.0	3.5	.0	.0	.0
18	13.0	12.0	12.5	3.0	1.5	2.5	3.5	2.5	3.0	.0	.0	.0
19	12.0	11.0	11.5	4.5	2.5	3.5	2.5	2.0	2.5	.0	.0	.0
20	11.5	11.0	11.5	5.0	3.0	4.0	2.0	1.5	1.5	.0	.0	.0
21	12.0	10.5	11.0	6.0	4.5	5.5	2.5	2.0	2.5	.0	.0	.0
22	11.0	10.0	10.5	7.5	5.5	6.5	2.5	2.0	2.5	.0	.0	.0
23	11.0	9.5	10.5	8.5	7.0	7.5	2.0	1.0	1.5	.0	.0	.0
24	9.5	8.5	9.0	10.5	8.0	9.0	1.0	.0	.5	.0	.0	.0
25	9.0	8.0	8.5	9.5	9.0	9.5	.5	.0	.0	.0	.0	.0
26	10.0	9.0	9.5	10.0	9.0	9.0	.5	.0	.0	.0	.0	.0
27	10.0	8.5	9.0	10.0	9.5	10.0	.5	.0	.0	.0	.0	.0
28	10.0	8.5	9.0	9.5	8.0	8.5	.0	.0	.0	.0	.0	.0
29	10.0	8.5	9.0	8.0	6.0	6.5	.0	.0	.0	.0	.0	.0
30	11.0	9.0	10.0	6.0	4.0	5.0	.5	.0	.0	.0	.0	.0
31	11.0	9.5	10.0	---	---	---	.5	.0	.0	.0	.0	.0
MONTH	17.5	8.0	12.0	12.0	1.5	7.0	6.0	.0	2.5	4.0	.0	.5

01432805 DELAWARE RIVER AT POND EDDY, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	2.5	2.0	2.5	7.5	5.5	6.5	12.0	10.5	11.5
2	.0	.0	.0	3.0	2.5	2.5	8.0	7.0	7.5	13.0	11.0	12.0
3	.0	.0	.0	2.5	2.0	2.5	9.5	8.0	8.5	13.5	10.5	12.5
4	.0	.0	.0	3.0	1.5	2.5	9.5	9.0	9.0	15.0	12.0	13.5
5	.0	.0	.0	3.5	2.5	3.0	9.0	7.0	8.0	17.0	14.0	15.5
6	.0	.0	.0	4.5	3.0	3.5	7.0	5.5	6.0	18.0	15.5	17.0
7	.0	.0	.0	5.0	3.5	4.0	7.5	5.5	6.5	20.0	17.5	19.0
8	.0	.0	.0	6.5	5.0	5.5	10.5	7.0	8.5	21.5	19.5	20.5
9	.0	.0	.0	7.0	6.0	6.5	10.0	6.5	8.0	22.0	19.5	20.5
10	.0	.0	.0	7.0	6.0	6.5	6.5	5.0	5.5	21.0	18.0	19.5
11	.0	.0	.0	6.0	4.0	5.0	6.0	5.0	5.5	18.0	16.5	17.0
12	.0	.0	.0	4.0	3.0	4.0	6.0	5.0	5.5	16.5	15.5	16.0
13	.0	.0	.0	3.5	2.5	3.0	7.0	5.0	6.0	15.5	14.5	15.0
14	.0	.0	.0	4.0	2.5	3.0	8.5	6.0	7.0	16.5	15.0	15.5
15	.0	.0	.0	5.0	3.0	4.0	9.5	8.0	8.5	16.0	14.0	15.0
16	.0	.0	.0	5.5	4.5	5.0	12.0	9.5	11.0	14.5	13.0	13.5
17	.0	.0	.0	5.5	4.0	5.0	11.5	9.5	11.0	15.0	13.5	14.0
18	.0	.0	.0	4.0	2.5	3.5	9.5	7.0	8.5	16.0	14.5	15.0
19	.0	.0	.0	4.0	2.5	3.5	8.0	7.0	7.5	16.0	13.5	15.0
20	.0	.0	.0	5.0	3.5	4.0	9.5	8.0	8.5	13.5	11.5	12.5
21	.0	.0	.0	5.0	4.5	4.5	9.5	9.0	9.0	11.5	11.0	11.0
22	.0	.0	.0	6.0	4.5	5.5	9.0	8.0	8.5	11.5	11.0	11.5
23	.0	.0	.0	7.5	5.0	6.5	8.5	8.0	8.0	12.5	11.5	12.0
24	.0	.0	.0	9.0	6.5	8.0	9.5	7.5	8.5	14.5	12.5	13.5
25	.0	.0	.0	9.0	7.5	8.5	10.5	9.0	9.5	15.0	13.5	14.0
26	.0	.0	.0	10.0	8.5	9.5	10.5	9.0	9.5	14.5	13.5	14.0
27	1.0	.0	.5	9.5	8.0	8.5	9.5	8.5	9.0	14.0	12.5	13.5
28	1.0	.0	.5	8.5	7.5	8.0	10.0	9.0	9.5	14.5	13.5	14.0
29	2.5	.5	1.5	8.0	6.5	7.0	11.0	9.0	10.0	15.0	14.0	14.5
30	---	---	---	6.5	6.0	6.0	12.5	10.5	11.5	16.0	14.0	15.0
31	---	---	---	6.5	5.0	6.0	---	---	---	17.0	15.0	16.0
MONTH	2.5	.0	.0	10.0	1.5	5.0	12.5	5.0	8.0	22.0	10.5	15.0

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

01434000 DELAWARE RIVER AT PORT JERVIS, NY

LOCATION.--Lat 41°22'14", long 74°41'52", Pike County, PA, Hydrologic Unit 02040104, on right bank 250 ft downstream from bridge (on U.S. Highways 6 and 209) between Port Jervis, N.Y. and Matamoras, PA, 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.
DRAINAGE AREA.--3,070 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1904 to current year.
REVISED RECORDS.--WSP 1031: 1905-36. WDR NY-71-1: 1970. WDR NY-82-1: Drainage area. WDR NY-86-1: 1979-80.
GAGE.--Water-stage recorder. Datum of gage is 415.35 ft above 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.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Lake Wallenpaupack and by Toronto, Cliff Lake, and Swinging Bridge Reservoirs (see Reservoirs in Delaware River Basin) and smaller reservoirs. Large diurnal fluctuations at medium and low flows caused by powerplants on tributary streams. Subsequent to September 1954, entire flow from 371 mi^2 of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi^2 of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite gage-height telemeter and National Weather Service telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to current degree of regulation, 233,000 ft^3/s, Aug. 19, 1955, gage height, 23.91 ft, from floodmarks in gage house, from rating curve extended above 89,000 ft^3/s, on basis of slope-area measurement of peak flow; maximum discharge since current degree of regulation, 134,000 ft^3/s, Jan. 20, 1996, gage height, 18.37 ft; maximum gage height, 26.6 ft, Feb. 12, 1981 (ice jam), from floodmarks; minimum observed discharge, 175 ft^3/s, Sept. 23, 1908, gage height, 0.6 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--The U.S. Weather Bureau reported a discharge of 205,000 ft^3/s, Oct. 10, 1903, gage height, 23.1 ft, from rating curve extended above 70,000 ft^3/s, by velocity-area studies; maximum gage height, 25.5 ft, Mar. 8, 1904 (ice jam).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,500 ft^3/s, Feb. 28, gage height, 9.39 ft; minimum, 1,280 ft^3/s, Sept. 1, gage height, 2.14 ft.

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	2830	1810	e5000	2810	e2800	15700	7740	6350	6430	4240	3420	1860
2	3060	2350	e4300	2180	e2900	13100	6650	5870	5880	3490	3640	2010
3	2140	3120	e3800	2310	e2900	12300	6370	5290	4980	2880	3360	2070
4	2150	4430	e3400	2790	e2600	10600	7810	4870	3860	3000	3070	2220
5	3370	3850	e3300	3180	e2700	9250	14800	4480	3790	3240	2660	1830
6	3650	3160	e3200	3190	e2400	8550	13300	3870	6970	2760	1890	1900
7	2950	2540	e3300	2810	e2500	7900	11500	3260	18900	2330	2580	1960
8	2630	2400	e3300	2540	e3200	7850	9160	3460	16400	2200	3510	1850
9	2370	2190	e3000	2160	e3100	9240	10200	3840	12900	1680	2930	1880
10	2320	2090	e2700	2470	e2900	11700	12100	3580	10600	1630	3060	1660
11	3130	2020	e2600	4170	e2600	12900	11300	6560	8700	1910	2640	1770
12	3850	2010	e2500	4710	e2800	20500	10200	7190	9210	1870	5550	2040
13	3290	1890	e2400	4220	e2300	22500	9240	9520	10600	1820	8400	2800
14	3110	1790	e2600	3950	e2500	16700	8430	11100	11700	1630	4830	6080
15	3560	1910	e3800	3270	e4000	13800	7560	11400	12300	1970	3950	4400
16	3310	1660	e4700	2580	e6400	12000	6850	9370	10800	3170	3720	3790
17	2620	1600	e5000	2600	e7000	13000	6920	8250	9300	6180	3120	2870
18	2350	1570	e4500	2700	e6000	14600	9930	7570	8420	5250	2810	2570
19	2570	1480	e4000	2630	e5600	12800	14700	9030	8960	3610	2290	2770
20	2450	1510	e3500	e2700	e4700	11100	13000	13700	8500	2860	1830	2830
21	2530	1510	e4300	e2700	e4400	9660	10900	13300	7180	2750	1790	2930
22	2690	1480	e4500	2980	e4100	8790	14400	12100	7410	2420	2150	2450
23	2600	1470	e4400	2390	e4100	7990	15100	13800	7800	2310	1950	2130
24	2200	1480	e4000	2560	e4300	7100	15200	17700	6410	2210	2570	1570
25	2620	1470	e3100	3000	5450	6120	14000	25300	5210	2310	2530	1710
26	2580	1640	e3300	e2800	9090	5380	12400	20400	4980	2260	2260	2190
27	2500	4980	e3100	e2800	13200	5370	11000	15900	6560	3280	1710	2320
28	2540	8590	e3100	e2900	27400	7680	9900	12800	5930	3470	1580	2560
29	2240	6720	e3000	e3000	24200	12100	8230	10700	4940	2630	1730	2430
30	2120	5470	e2800	e2300	---	10700	6880	9270	4940	2340	1820	2320
31	1590	---	2690	e2300	---	9310	---	7680	---	3010	1900	---
TOTAL	83920	80190	109190	89700	168140	346290	315770	297510	250560	86710	91250	73770
MEAN	2707	2673	3522	2894	5798	11170	10530	9597	8352	2797	2944	2459
MAX	3850	8590	5000	4710	27400	22500	15200	25300	18900	6180	8400	6080
MIN	1590	1470	2400	2160	2300	5370	6370	3260	3790	1630	1580	1570

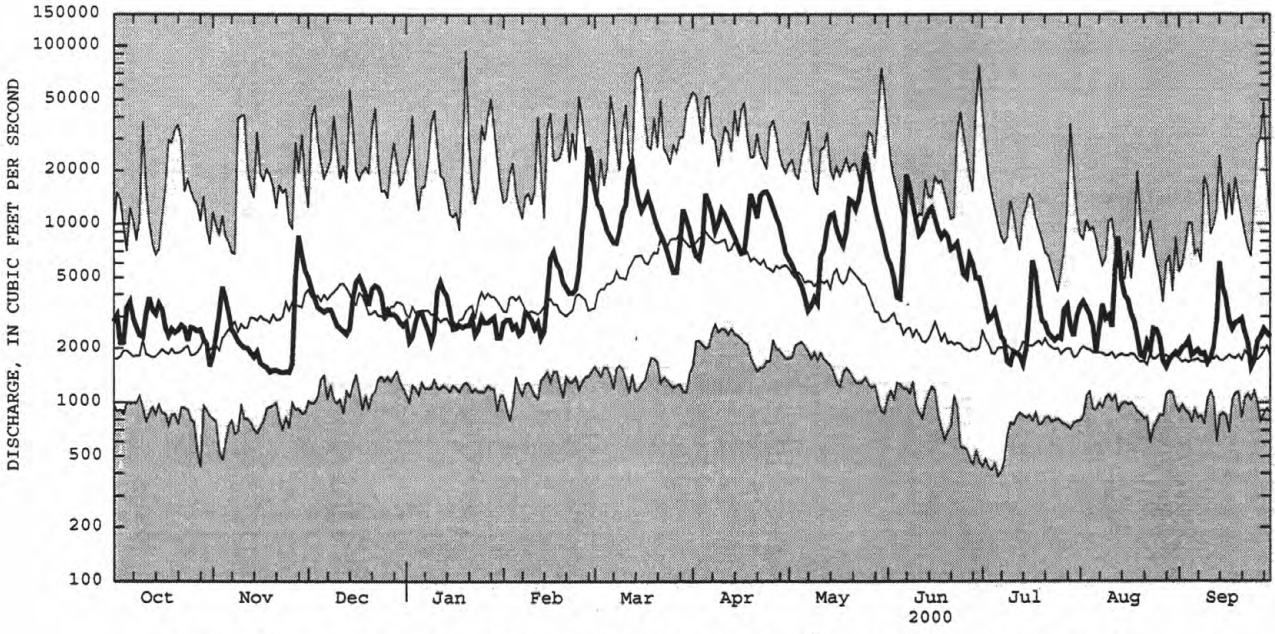
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	2978	4101	5125	4863	5160	8091	9430	6182	3900	2716	2241	2415
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

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	1232760		1993000			
ANNUAL MEAN	3377		5445		4762	
HIGHEST ANNUAL MEAN					7216	1973
LOWEST ANNUAL MEAN					2028	1965
HIGHEST DAILY MEAN	36000	Jan 25	27400	Feb 28	95200	Jan 20 1996
LOWEST DAILY MEAN	1000	Jan 2	1470	Nov 23	385	Jul 6 1965
ANNUAL SEVEN-DAY MINIMUM	1390	Sep 7	1490	Nov 19	432	Jul 1 1965
10 PERCENT EXCEEDS	6020		12100		10300	
50 PERCENT EXCEEDS	2490		3300		2850	
90 PERCENT EXCEEDS	1570		1900		1500	

e Estimated



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

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 current year.
CHEMICAL DATA: 1958-59 (e), 1964-65 (c), 1966 (a), 1967-68 (c), 1969-76 (d), 1987 (b), 1988-89 (c), 1990-91 (b), 1992, 1997 (a), 1999-2000 (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 (d).
ORGANIC DATA: OC--1974 (b), 1975, 1999-2000 (d).
NUTRIENT DATA: 1968 (a), 1969-76 (d), 1987 (b), 1988-89 (c), 1990 (b), 1999-2000 (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), 1999-2000 (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 current year.
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. A complete list of VOCs and pesticides analyzed, the units of measure (micrograms per liter, mg/L), and their reporting levels, are provided following the Introduction to the Delaware River or Hudson River basin NAWQA sections near the end of this report. For the definition of SAMPLE TYPE refer to "Quality-Control Data" in the "Explanation of Records" section. Interruptions of daily record were due to malfunction of recording instrument.
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), 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 YEAR.--
WATER TEMPERATURES: Maximum, 26.0°C, Aug. 9; minimum recorded, 2.0°C, Nov. 18, but was probably less during period of instrument malfunction.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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)
OCT 1999									
04...	1320	ENVIRONMENTAL	2080	752	--	--	7.2	78	15.5
NOV									
01...	1420	ENVIRONMENTAL	1770	762	116	12.6	7.7	80	19.5
30...	1500	ENVIRONMENTAL	4630	761	111	14.1	7.1	61	1.0
JAN 2000									
03...	*1439*	*FIELD BLANK*	--	--	--	--	--	--	--
03...	1440	ENVIRONMENTAL	2170	752	112	15.1	6.9	74	15.0
03...	*1441*	*SPLIT REPLICATE*	--	--	--	--	--	--	--
MAR									
01...	1240	ENVIRONMENTAL	15400	749	87	11.6	6.9	68	13.0
APR									
03...	1350	ENVIRONMENTAL	6120	749	119	13.5	7.0	77	22.0
MAY									
01...	1540	ENVIRONMENTAL	6480	--	--	--	6.5	72	32.0
24...	1440	ENVIRONMENTAL	15900	736	109	10.7	7.3	64	29.0
JUN									
27...	1000	ENVIRONMENTAL	5940	746	106	8.9	7.2	71	29.0
JUL									
31...	1100	ENVIRONMENTAL	2320	752	97	8.4	7.4	82	26.5
SEP									
07...	1010	ENVIRONMENTAL	2030	760	114	10.5	7.6	84	16.0

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT 1999											
04...	15.0	22	6.51	1.34	.8	5.5	11	14	8.8	<.1	1.1
NOV											
01...	11.5	22	6.47	1.33	.6	5.3	11	14	9.1	<.1	1.0
30...	5.0	17	5.11	1.12	.7	3.2	10	12	5.9	<.1	3.4
JAN 2000											
03...	--	--	*.02*	*<.01*	*<.2*	*<.1*	--	--	*<.3*	*<.1*	*<.1*
03...	2.5	21	6.14	1.29	.6	5.0	9	11	8.7	<.1	2.6
03...	--	*21*	*6.18*	*1.29*	*.6*	*5.0*	--	--	*8.6*	*<.1*	*2.6*
MAR											
01...	3.0	16	4.78	1.03	.7	5.2	6	7	8.4	<.1	3.2
APR											
03...	9.0	19	5.71	1.25	.5	5.2	11	13	8.6	<.1	2.0
MAY											
01...	13.0	18	5.43	1.17	.6	5.2	9	10	8.4	<.1	2.0
24...	14.5	17	5.19	1.05	.6	4.2	11	13	6.4	<.1	2.6
JUN											
27...	22.5	20	6.12	1.24	.7	4.6	13	16	6.9	<.1	1.8
JUL											
31...	22.0	22	6.58	1.31	.8	5.7	--	--	9.0	<.1	1.3
SEP											
07...	19.0	24	7.23	1.36	.8	5.8	15	18	9.3	<.1	1.2

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN DISSOLVED (MG/L AS N) (00602)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT 1999											
04...	8.4	<.020	E.10	.21	--	<.050	--	<.010	E.004	<.010	.010
NOV											
01...	7.9	<.020	.16	.30	--	<.050	--	<.010	<.006	<.010	.011
30...	7.9	<.020	.16	.24	.46	.296	.53	<.010	.006	<.010	.023
JAN 2000											
03...	*<.3*	*<.020*	*<.10*	*<.10*	--	*<.050*	--	*<.010*	*<.006*	*<.010*	*<.008*
03...	8.5	<.020	.14	.13	.39	.254	.38	<.010	E.004	<.010	E.006
03...	*8.4*	*<.020*	*.15*	*.13*	*.41*	*.258*	*.38*	*<.010*	*E.003*	*<.010*	*E.006*
MAR											
01...	6.4	<.020	.14	.22	.57	.430	.65	<.010	.011	<.010	.030
APR											
03...	6.9	<.020	.12	.17	.37	.247	.42	<.010	E.004	<.010	.008
MAY											
01...	6.6	<.020	.15	.30	.32	.169	.47	<.010	E.004	<.010	.012
24...	7.0	<.020	.17	.26	.35	.179	.44	<.010	.009	<.010	.027
JUN											
27...	6.6	<.020	.16	.24	.26	.102	.34	<.010	.007	.014	.022
JUL											
31...	6.1	<.020	.19	.23	.39	.200	.43	<.010	.011	<.010	.023
SEP											
07...	5.7	<.020	.18	.22	.27	.090	.31	<.010	.011	.010	.015

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTICULATE TOTAL (MG/L AS C) (00689)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 1999										
04...	44	39	1	<16	30	9	3.0	<.2	4.5	1
NOV										
01...	47	39	<1	E9	20	6	2.2	<.2	2.8	1
30...	46	34	4	E9	30	5	3.2	<.2	28	2
JAN 2000										
03...	*<10*	--	--	*<16*	*<10*	*E1*	--	--	--	*M*
03...	44	40	--	<16	20	5	2.1	.2	6.5	1
03...	*44*	--	--	*<16*	*20*	*5*	--	--	--	--
MAR										
01...	43	35	12	<16	30	18	2.8	.4	489	12
APR										
03...	38	38	2	<16	20	9	2.0	.2	33	2
MAY										
01...	42	35	--	E9	40	9	2.3	<.2	16	1
24...	44	34	10	<16	40	9	2.8	.3	387	9
JUN										
27...	44	36	4	E8	60	7	2.9	.2	39	2
JUL										
31...	49	41	3	E14	40	12	2.8	<.2	27	4
SEP										
07...	58	41	1	E12	80	9	2.8	<.2	6.7	1

E Estimate.

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES.--Samples were analyzed for volatile organic compounds (VOCs) on schedule 2020. Selected VOCs are listed in the water-quality table below.

DATE	TIME	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	BENZENE 123-TRIMETHYL-WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4-TRICHLORO-WAT UNF REC (UG/L) (34551)	BENZENE 124-TRIMETHYL UNFILT RECOVER (UG/L) (77222)
NOV 1999										
01...	1420	<.03	<.06	<.07	<.04	<.07	<7	<.1	<.2	<.06
MAR 2000										
01...	1240	<.03	<.06	<.07	<.04	<.07	<7	<.1	<.2	<.06
MAY										
24...	1440	<.03	<.06	<.07	<.04	<.07	<7	<.1	<.2	<.06
JUN										
27...	1000	<.03	<.06	<.07	<.04	<.07	<7	<.1	<.2	<.06

DATE	BENZENE 135-TRIMETHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	ISOPROPYLBENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE O-DICHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE TOTAL (UG/L) (34030)	BROMOFORM TOTAL (UG/L) (32104)	CARBON DISULFIDE WATER WHOLE TOTAL (UG/L) (77041)
NOV 1999										
01...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.04	<.06	<.07
MAR 2000										
01...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.04	<.06	<.07
MAY										
24...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.04	<.06	<.07
JUN										
27...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.04	<.06	<.07

DATE	CARBON TETRACHLORIDE TOTAL (UG/L) (32102)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROETHANE TOTAL (UG/L) (34311)	CHLOROFORM TOTAL (UG/L) (32106)	CIS-1,2-DICHLOROETHENE WATER TOTAL (UG/L) (77093)	BROMODICHLOROMETHANE TOTAL (UG/L) (32101)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)
NOV 1999										
01...	<.06	<.03	<.2	<.1	<.05	<.04	<.05	<.2	<.05	<.1
MAR 2000										
01...	<.06	<.03	<.2	<.1	<.05	<.04	<.05	<.2	<.05	<.1
MAY										
24...	<.06	<.03	<.2	<.1	<.05	<.04	<.05	<.2	<.05	<.1
JUN										
27...	<.06	<.03	<.2	<.1	<.05	<.04	<.05	<.2	<.05	<.1

DATE	ETHYLBENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRAHYDRO-WATER UNFLTRD RECOVER (UG/L) (81607)	ISODURENE WATER UNFLTRD RECOVER (UG/L) (50000)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYLCHLORIDE TOTAL (UG/L) (34418)	METHYLENE CHLORIDE TOTAL (UG/L) (34423)	METHYL-ETHYL-KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHYL ISOBUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)
NOV 1999										
01...	<.03	<.06	<2	<.2	<.2	<.5	<.4	<2	<.4	<.06
MAR 2000										
01...	<.03	<.06	<2	<.2	<.2	<.5	<.4	<2	<.4	<.06
MAY										
24...	<.03	<.06	<2	<.2	E.1	<.5	<.4	<2	<.4	<.06
JUN										
27...	<.03	<.06	<2	<.2	<.2	<.5	<.4	<2	<.4	<.06

DATE	NAPHTHALENE TOTAL (UG/L) (34696)	O-CHLOROTOLUENE WATER WHOLE TOTAL (UG/L) (77275)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	P-ISOPROPYLTOLUENE WATER WHOLE REC (UG/L) (77356)	STYRENE TOTAL (UG/L) (77128)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE TOTAL (UG/L) (34010)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)
NOV 1999										
01...	<.2	<.04	<.04	<.07	<.04	<.1	<.06	<.05	<.04	<.09
MAR 2000										
01...	<.2	<.04	<.04	<.07	<.04	<.1	<.06	<.05	<.04	<.09
MAY										
24...	<.2	<.04	<.04	<.07	<.04	<.1	<.06	<.05	<.04	<.09
JUN										
27...	<.2	<.04	<.04	<.07	<.04	<.1	<.06	<.05	<.04	<.09

E Estimate.

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

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 are listed in the water-quality tables.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
OCT 1999								
04...	1320	ENVIRONMENTAL	<.002	<.002	E.004	<.002	<.002	<.003
NOV								
01...	1420	ENVIRONMENTAL	<.002	<.002	E.004	<.002	<.002	<.003
30...	1500	ENVIRONMENTAL	<.002	<.002	<.001	<.002	<.002	<.003
JAN 2000								
03...	1440	ENVIRONMENTAL	<.002	<.002	<.001	<.002	<.002	<.003
MAR								
01...	1240	ENVIRONMENTAL	<.002	<.002	E.004	<.002	<.002	<.003
APR								
03...	1350	ENVIRONMENTAL	<.002	<.002	.004	<.002	<.002	<.003
MAY								
01...	1540	ENVIRONMENTAL	<.002	<.002	E.004	<.002	<.002	<.003
01...	*1541*	*SPLIT REPLICATE*	*<.002*	*<.002*	*E.004*	*<.002*	*<.002*	*<.003*
24...	1440	ENVIRONMENTAL	<.002	<.002	.026	<.002	<.002	<.003
JUN								
27...	1000	ENVIRONMENTAL	<.002	<.002	.052	<.002	<.002	E.018
JUL								
31...	1100	ENVIRONMENTAL	<.002	<.002	.015	<.002	<.002	<.003
SEP								
07...	1010	ENVIRONMENTAL	<.002	<.002	.008	<.002	<.002	<.003

DATE	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	FONOFOS WATER DISS REC (UG/L) (04095)
OCT 1999									
04...	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.002	<.003
NOV									
01...	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.002	<.003
30...	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.002	<.003
JAN 2000									
03...	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.002	<.003
MAR									
01...	<.003	<.004	<.004	<.002	E.003	<.002	<.001	<.002	<.003
APR									
03...	<.003	<.004	<.004	<.002	E.005	<.002	<.001	<.002	<.003
MAY									
01...	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.002	<.003
01...	*<.003*	*<.004*	*<.004*	*<.002*	*E.004*	*<.002*	*<.001*	*<.002*	*<.003*
24...	<.003	E.003	<.004	<.002	E.006	<.002	<.001	<.002	<.003
JUN									
27...	<.003	<.004	<.004	E.002	E.007	E.001	<.001	<.002	<.003
JUL									
31...	<.003	<.004	<.004	<.002	E.006	<.002	<.001	<.002	<.003
SEP									
07...	<.003	<.004	<.004	<.002	E.005	<.002	<.001	<.002	<.003

E Estimate.

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

WATER-COLUMN PESTICIDE ANALYSES.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	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 SENCOR WATER DISSOLV (UG/L) (82630)	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)
OCT 1999									
04...	<.004	<.002	<.005	<.001	E.003	<.004	<.003	<.006	<.004
NOV									
01...	<.004	<.002	<.005	<.001	E.003	<.004	<.003	E.002	<.004
30...	<.004	<.002	<.005	<.001	E.004	<.004	<.003	<.006	<.004
JAN 2000									
03...	<.004	<.002	<.005	<.001	<.002	<.004	<.003	<.006	<.004
MAR									
01...	<.004	<.002	<.005	<.001	.005	<.004	<.003	<.006	<.004
APR									
03...	<.004	<.002	<.005	<.001	.007	<.004	<.003	<.006	<.004
MAY									
01...	<.004	<.002	<.005	<.001	.005	<.004	<.003	<.006	<.004
01...	*<.004*	*<.002*	*<.005*	*<.001*	*.005*	*<.004*	*<.003*	*<.006*	*<.004*
24...	<.004	<.002	<.005	<.001	.011	<.004	<.003	<.006	<.004
JUN									
27...	<.004	<.002	<.005	E.002	.015	<.004	<.003	E.001	<.004
JUL									
31...	<.004	<.002	<.005	<.001	.013	<.004	<.003	E.002	<.004
SEP									
07...	<.004	<.002	<.005	<.010	E.004	<.004	<.003	<.006	<.004

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)	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)	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 1999									
04...	E.003	<.003	<.007	<.004	E.003	<.010	<.007	<.001	<.002
NOV									
01...	<.018	<.003	<.007	<.004	E.004	<.010	<.007	<.001	<.002
30...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
JAN 2000									
03...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
MAR									
01...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
APR									
03...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
MAY									
01...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
01...	*<.018*	*<.003*	*<.007*	*<.004*	*<.005*	*<.010*	*<.007*	*<.001*	*<.002*
24...	<.018	<.003	<.007	<.004	E.004	<.010	<.007	<.001	E.001
JUN									
27...	E.004	<.003	<.007	<.004	.009	<.010	<.007	<.001	<.002
JUL									
31...	<.018	<.003	<.007	<.004	E.003	<.010	<.025	<.001	<.002
SEP									
07...	<.018	<.003	<.007	<.004	E.004	<.010	<.007	<.001	E.003

E Estimate.

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	8.5	6.0	7.5	---	---	---
2	---	---	---	---	---	---	9.0	8.0	8.5	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	4.5	3.0	3.5	---	---	---	---	---	---
15	---	---	---	6.0	3.5	4.5	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	6.0	5.0	6.0	---	---	---	---	---	---
18	---	---	---	5.0	3.5	4.0	---	---	---	---	---	---
19	---	---	---	5.0	3.0	4.0	---	---	---	---	---	---
20	---	---	---	6.0	4.0	5.0	---	---	---	---	---	---
21	---	---	---	6.0	5.5	5.5	---	---	---	---	---	---
22	---	---	---	7.0	5.5	6.5	---	---	---	---	---	---
23	---	---	---	9.0	6.5	7.5	---	---	---	---	---	---
24	---	---	---	10.5	8.0	9.0	---	---	---	---	---	---
25	---	---	---	10.5	8.5	9.5	---	---	---	15.5	14.0	14.5
26	---	---	---	12.0	9.5	11.0	---	---	---	15.0	14.0	15.0
27	---	---	---	11.0	9.5	10.5	---	---	---	15.0	13.5	14.5
28	---	---	---	10.5	9.5	10.0	---	---	---	15.5	14.0	14.5
29	---	---	---	10.0	8.5	9.0	---	---	---	15.5	15.0	15.0
30	---	---	---	8.5	7.5	8.0	---	---	---	16.0	14.5	15.5
31	---	---	---	8.0	6.5	7.5	---	---	---	17.5	15.5	16.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(National water-quality assessment program station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

0143400680 EAST BRANCH NEVERSINK RIVER NORTHEAST OF DENNING, NY

LOCATION.--Lat 41°58'01", long 74°26'54", Ulster County, Hydrologic Unit 02040104, on right bank 0.3 mi upstream from Tray Mill Brook, and 2.3 mi northeast of Denning.
DRAINAGE AREA.--8.93 mi^2.
PERIOD OF RECORD.--October 1990 to current year. Occasional discharge measurements, water years 1988-90.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,140 ft above sea level, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges and those above 300 ft^3/s, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft^3/s, Sept. 16, 1999, gage height, 6.96 ft, from rating curve extended above 150 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 2.0 ft^3/s, Aug. 7, 8, 9, 1991; minimum gage height, 1.05 ft, Aug. 29, 30, 31, Sept. 1, 2, 1993.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2200	a640	4.29	July 15	1345	a*1,360	*5.37
June 6	1730	a688	4.38				

a From rating curve extended as explained above.

Minimum discharge, 4.1 ft^3/s, Feb. 13, gage height, 1.52 ft.

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	27	16	24	15	e8.6	38	28	26	25	18	43	14
2	20	118	23	15	8.1	33	26	25	24	17	31	135
3	18	162	22	16	7.8	27	29	23	22	18	26	110
4	37	57	20	20	7.6	e26	155	21	21	18	23	45
5	30	43	19	23	7.4	22	68	21	20	15	20	33
6	23	37	24	e17	7.1	20	44	20	273	14	21	29
7	21	32	22	e14	7.0	21	36	19	248	13	31	25
8	19	30	19	e13	6.7	30	33	18	71	12	23	24
9	24	27	18	13	6.5	80	39	17	48	12	20	37
10	40	26	18	20	6.5	108	31	22	39	11	18	30
11	44	24	18	25	6.5	90	28	29	35	10	21	24
12	30	22	16	17	6.0	246	28	26	53	9.8	59	40
13	26	21	16	16	5.9	78	26	27	45	9.4	36	147
14	36	19	16	e15	78	51	26	38	45	74	30	55
15	28	19	20	e14	24	42	26	26	38	489	35	49
16	25	17	23	e14	9.7	46	25	23	34	363	38	38
17	23	16	19	e13	7.7	106	26	21	31	95	28	33
18	22	16	17	e13	e7.6	e45	33	25	31	54	24	30
19	20	15	16	e13	e7.2	38	33	48	32	40	22	27
20	30	14	21	13	6.7	34	31	49	27	32	20	25
21	26	14	56	12	6.6	31	95	40	27	28	19	23
22	23	12	29	11	6.8	29	138	35	38	25	18	21
23	46	12	24	11	7.4	27	78	37	27	22	28	21
24	30	12	e22	11	10	27	57	127	24	20	26	21
25	25	14	e21	10	31	27	46	72	24	19	19	19
26	23	34	e19	10	e25	31	40	50	28	18	17	19
27	21	155	e18	10	57	26	36	41	25	33	16	17
28	20	49	e17	9.5	149	136	35	36	22	26	16	16
29	19	34	e16	9.2	52	56	31	33	21	49	17	15
30	18	27	e15	8.7	---	38	28	30	20	43	15	15
31	17	---	15	e8.8	---	32	---	27	---	37	14	---
TOTAL	811	1094	643	430.2	577.4	1641	1355	1052	1418	1644.2	774	1137
MEAN	26.2	36.5	20.7	13.9	19.9	52.9	45.2	33.9	47.3	53.0	25.0	37.9
MAX	46	162	56	25	149	246	155	127	273	489	59	147
MIN	17	12	15	8.7	5.9	20	25	17	20	9.4	14	14
CFSM	2.93	4.08	2.32	1.55	2.23	5.93	5.06	3.80	5.29	5.94	2.80	4.24
IN.	3.38	4.56	2.68	1.79	2.41	6.84	5.64	4.38	5.91	6.85	3.22	4.74

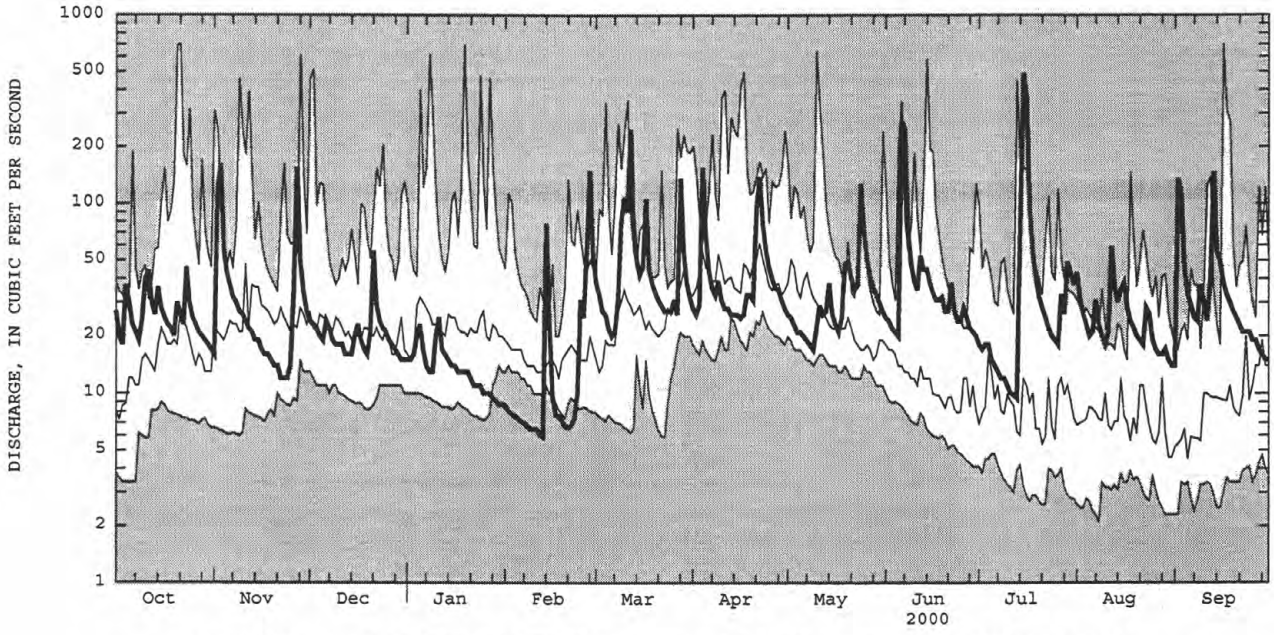
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	29.8	38.2	31.7	38.4	19.7	40.5	62.7	35.1	25.9	20.9	12.9	21.1
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	13.9	11.1	23.7	21.6	15.0	6.52	3.90	3.55	4.35
(WY)	1998	1999	1999	2000	1993	1993	1995	1995	1991	1991	1993	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	10558.8		12576.8			
ANNUAL MEAN	28.9		34.4		31.4	
HIGHEST ANNUAL MEAN					47.1	1996
LOWEST ANNUAL MEAN					19.4	1995
HIGHEST DAILY MEAN	697	Sep 16	489	Jul 15	701	Oct 21 1995
LOWEST DAILY MEAN	3.3	Aug 7	5.9	Feb 13	2.1	Aug 8 1991
ANNUAL SEVEN-DAY MINIMUM	3.4	Aug 7	6.4	Feb 7	2.4	Aug 27 1993
ANNUAL RUNOFF (CFSM)	3.24		3.85		3.52	
ANNUAL RUNOFF (INCHES)	43.99		52.39		47.84	
10 PERCENT EXCEEDS	46		54		57	
50 PERCENT EXCEEDS	20		24		19	
90 PERCENT EXCEEDS	4.9		12		5.9	

e Estimated

0143400680 EAST BRANCH NEVERSINK RIVER NORTHEAST OF DENNING, NY--Continued



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

01434017 EAST BRANCH NEVERSINK RIVER NEAR CLARYVILLE, NY

LOCATION.--Lat 41°55'31", long 74°32'26", Ulster County, Hydrologic Unit 02040104, on left bank at downstream side of bridge on Denning Road, 1.6 mi southwest of Ladleton, and 1.9 mi northeast of the village of Claryville.
DRAINAGE AREA.--22.9 mi^2.
PERIOD OF RECORD.--July 1991 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 1,740 ft above 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 ft^3/s, Jan. 19, 1996, gage height, 11.25 ft; minimum, 5.7 ft^3/s, Sept. 5, 1999; minimum gage height, 5.33 ft, Aug. 9, 1991.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2300	1,050	8.59	July 15	1745	*2,140	*10.08
June 7	0145	1,310	8.99	Sept. 3	0015	1,210	8.83

Minimum discharge, 21 ft^3/s, Feb. 13, gage height, 5.61 ft, result of freezeup.

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	71	62	67	40	e26	113	79	65	62	53	91	34
2	57	191	62	40	e26	100	73	62	58	50	75	190
3	53	327	59	42	e26	82	79	57	54	58	66	313
4	95	134	57	51	e25	74	263	54	49	61	59	111
5	83	102	54	57	e25	66	158	53	50	49	51	78
6	72	88	69	e44	e24	60	114	51	454	44	51	63
7	61	79	64	e38	e24	62	95	47	556	42	77	55
8	56	73	55	e36	e24	91	87	46	179	40	55	50
9	72	68	51	e29	e24	177	107	43	122	38	49	75
10	100	65	53	50	e23	243	85	52	96	37	44	64
11	121	61	57	68	e23	238	77	73	86	34	46	52
12	92	57	51	47	e23	519	77	69	143	32	93	90
13	88	55	49	43	e23	209	74	69	120	31	70	311
14	104	50	52	e39	e160	144	73	93	128	147	56	134
15	83	47	65	e37	e170	123	72	67	106	1010	68	119
16	76	45	65	e34	e35	119	67	60	92	792	70	92
17	71	40	54	e34	e32	230	71	56	81	240	55	78
18	72	38	48	e34	e29	133	100	67	82	138	49	68
19	66	37	45	e33	e27	108	87	126	85	100	45	63
20	95	38	55	e33	e26	96	81	127	70	83	41	62
21	74	37	130	e30	e26	88	167	105	67	72	38	54
22	68	35	77	e30	e26	81	264	94	104	65	36	49
23	139	34	66	e30	e28	76	175	104	70	56	60	48
24	95	35	62	e29	e30	72	134	293	61	51	64	49
25	83	40	e60	e29	71	70	110	184	62	47	41	44
26	79	78	e58	e29	84	76	97	130	92	45	36	46
27	75	331	e54	e28	133	67	89	105	72	77	34	43
28	74	130	e52	e28	339	244	86	92	62	59	32	38
29	72	92	e50	e28	155	138	76	83	61	113	34	37
30	72	76	49	e27	---	103	70	74	61	109	32	35
31	67	---	43	e27	---	88	---	68	---	88	30	---
TOTAL	2486	2545	1833	1144	1687	4090	3187	2669	3385	3861	1648	2545
MEAN	80.2	84.8	59.1	36.9	58.2	132	106	86.1	113	125	53.2	84.8
MAX	139	331	130	68	339	519	264	293	556	1010	93	313
MIN	53	34	43	27	23	60	67	43	49	31	30	34
CFSM	3.50	3.70	2.58	1.61	2.54	5.76	4.64	3.76	4.93	5.44	2.32	3.70
IN.	4.04	4.13	2.98	1.86	2.74	6.64	5.18	4.34	5.50	6.27	2.68	4.13

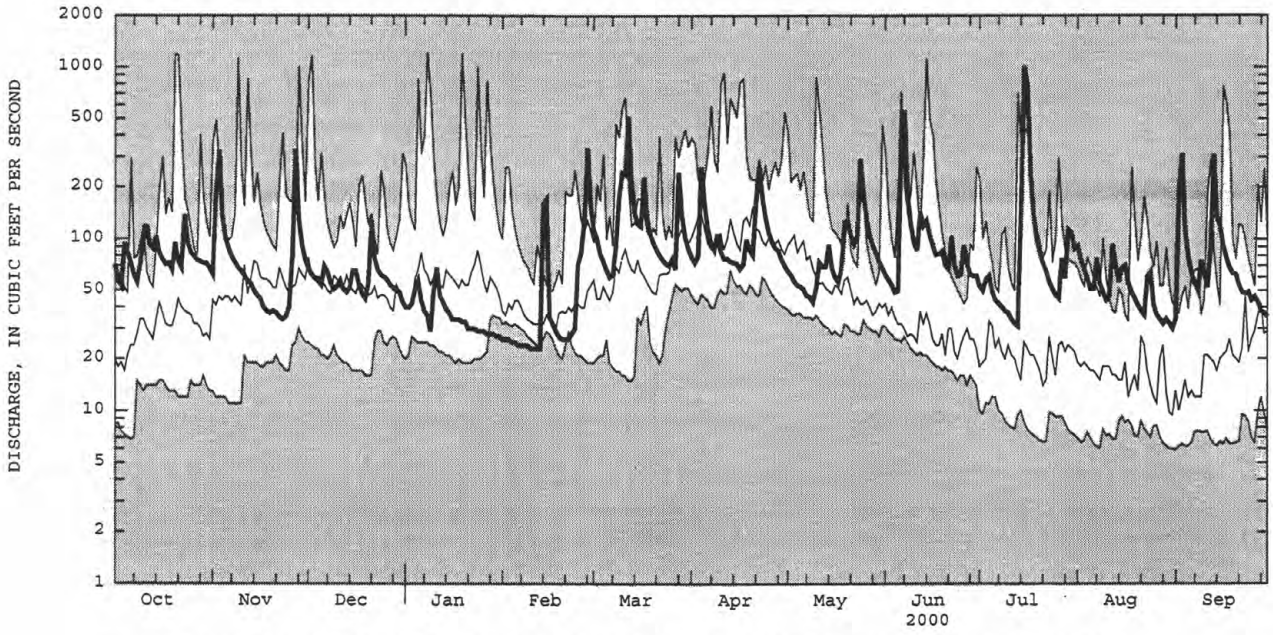
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	58.2	84.5	71.8	92.6	50.0	94.9	146	77.8	61.2	46.5	27.9	41.0
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	34.0	29.6	60.6	55.2	36.0	23.9	9.71	8.86	8.46
(WY)	1998	1999	1999	1994	1993	1993	1995	1995	1999	1991	1993	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	23456.1		31080			
ANNUAL MEAN	64.3		84.9		71.8	
HIGHEST ANNUAL MEAN					101	1996
LOWEST ANNUAL MEAN					47.7	1995
HIGHEST DAILY MEAN	1010	Jan 24	1010	Jul 15	1220	Jan 8 1998
LOWEST DAILY MEAN	6.2	Sep 4	23	Feb 10	5.9	Sep 1 1993
ANNUAL SEVEN-DAY MINIMUM	7.2	Aug 7	23	Feb 7	6.3	Aug 27 1993
ANNUAL RUNOFF (CFSM)	2.81		3.71		3.14	
ANNUAL RUNOFF (INCHES)	38.10		50.49		42.61	
10 PERCENT EXCEEDS	103		135		132	
50 PERCENT EXCEEDS	49		66		44	
90 PERCENT EXCEEDS	12		32		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.

01434021 WEST BRANCH NEVERSINK RIVER AT WINNISOOK LAKE NEAR FROST VALLEY, NY

LOCATION.--Lat 42°00'40", long 74°24'53", Ulster County, Hydrologic Unit 02040104, on right bank 0.1 mi southwest of Winnisook Lake, and 4.5 mi northeast of Frost Valley.
DRAINAGE AREA.--0.77 mi^2.
PERIOD OF RECORD.--January 1991 to current year.
REVISED RECORDS.--WDR NY-94-1: 1992-93(P).
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 ft^3/s, which are poor. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 212 ft^3/s, Sept. 16, 1999, gage height, 3.30 ft; minimum, 0.05 ft^3/s, Aug. 6, 7, 8, 1991, gage height, 0.93 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 35 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2145	100	2.10	Mar. 12	0345	45	1.71
Nov. 27	0300	43	1.70	June 6	1645	55	1.78
Feb. 14	1200	*148	*2.58	July 16	0730	78	1.94

Minimum discharge, 0.30 ft^3/s, Feb. 12, 13, 14, 21, 22, gage height, 1.08 ft.

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	3.0	1.6	1.8	.98	.49	2.3	2.2	1.8	1.7	1.3	2.3	1.0
2	2.4	18	1.4	1.1	.48	1.8	2.0	1.6	1.7	1.2	2.0	1.2
3	2.0	24	1.4	1.1	.46	1.3	2.6	1.4	1.5	1.3	1.8	1.0
4	4.0	8.6	1.3	1.3	.41	1.3	16	1.3	1.3	1.1	1.6	1.0
5	3.8	6.2	1.2	1.4	.41	1.0	7.0	1.3	1.3	1.0	1.4	.90
6	3.1	5.1	1.3	1.1	.41	.95	3.7	1.2	21	.92	1.4	.86
7	2.7	4.5	1.2	e1.0	.37	.93	2.8	1.2	16	.87	1.5	.81
8	2.3	3.9	1.1	e.96	.35	1.2	2.5	1.2	5.8	.80	1.3	.77
9	2.7	3.6	.98	e.92	.35	6.7	2.7	1.1	3.7	.76	1.2	.98
10	4.0	3.3	1.0	e.90	.35	9.3	2.2	1.3	2.9	.73	1.2	.81
11	5.7	2.8	.96	e.88	.35	6.4	2.0	1.5	2.6	.70	1.3	.75
12	4.2	2.5	.86	e.86	.33	20	1.8	1.6	3.8	.64	3.3	1.0
13	3.5	2.3	.86	e.84	.30	5.4	1.6	1.9	3.4	.62	2.7	6.4
14	4.0	2.1	.87	e.82	38	3.1	1.6	2.8	3.0	1.0	2.4	2.8
15	3.3	1.9	.92	e.80	.63	2.5	2.0	2.1	2.7	21	2.7	2.2
16	3.0	1.7	1.0	e.78	.42	3.0	2.5	1.8	2.5	34	3.1	1.6
17	2.7	1.5	.87	e.76	.36	8.5	2.5	1.6	2.3	9.2	2.6	1.4
18	2.7	1.4	.78	e.74	.35	3.6	2.5	1.6	2.2	3.8	2.1	1.3
19	2.3	1.4	.83	e.72	.35	2.5	2.7	2.7	2.1	2.8	1.9	1.2
20	2.9	1.4	1.3	e.70	.35	2.2	2.8	3.6	1.9	2.3	1.7	1.1
21	2.6	1.3	4.1	e.68	.35	1.9	7.5	3.2	1.9	2.0	1.5	1.1
22	2.5	1.3	2.5	e.66	.33	1.8	15	2.7	2.3	1.7	1.4	1.1
23	4.2	1.3	2.0	e.64	.38	1.7	8.8	2.6	1.9	1.5	1.8	1.1
24	3.7	1.3	e1.8	e.62	.49	1.6	5.9	8.0	1.7	1.4	1.7	1.0
25	3.1	1.3	e1.7	e.60	2.4	1.9	4.1	6.2	1.7	1.3	1.4	.96
26	2.8	3.6	e1.5	e.58	1.8	2.7	3.2	4.2	1.9	1.3	1.3	1.0
27	2.4	24	e1.4	.56	8.6	2.1	2.8	3.2	1.8	1.7	1.2	.90
28	2.1	7.0	e1.3	.56	16	15	2.5	2.7	1.6	1.4	1.2	.86
29	1.9	3.7	e1.2	.52	3.8	5.6	2.2	2.3	1.5	2.6	1.2	.85
30	1.8	2.6	1.1	.52	---	3.1	2.0	2.1	1.4	3.0	1.1	.86
31	1.6	---	1.1	.54	---	2.5	---	1.9	---	2.5	1.0	---
TOTAL	93.0	145.2	41.63	25.14	79.67	123.88	119.7	73.7	101.1	106.44	54.3	38.81
MEAN	3.00	4.84	1.34	.81	2.75	4.00	3.99	2.38	3.37	3.43	1.75	1.29
MAX	5.7	24	4.1	1.4	38	20	16	8.0	21	34	3.3	6.4
MIN	1.6	1.3	.78	.52	.30	.93	1.6	1.1	1.3	.62	1.0	.75
CFSM	3.90	6.29	1.74	1.05	3.57	5.19	5.18	3.09	4.38	4.46	2.27	1.68
IN.	4.49	7.01	2.01	1.21	3.85	5.98	5.78	3.56	4.88	5.14	2.62	1.87

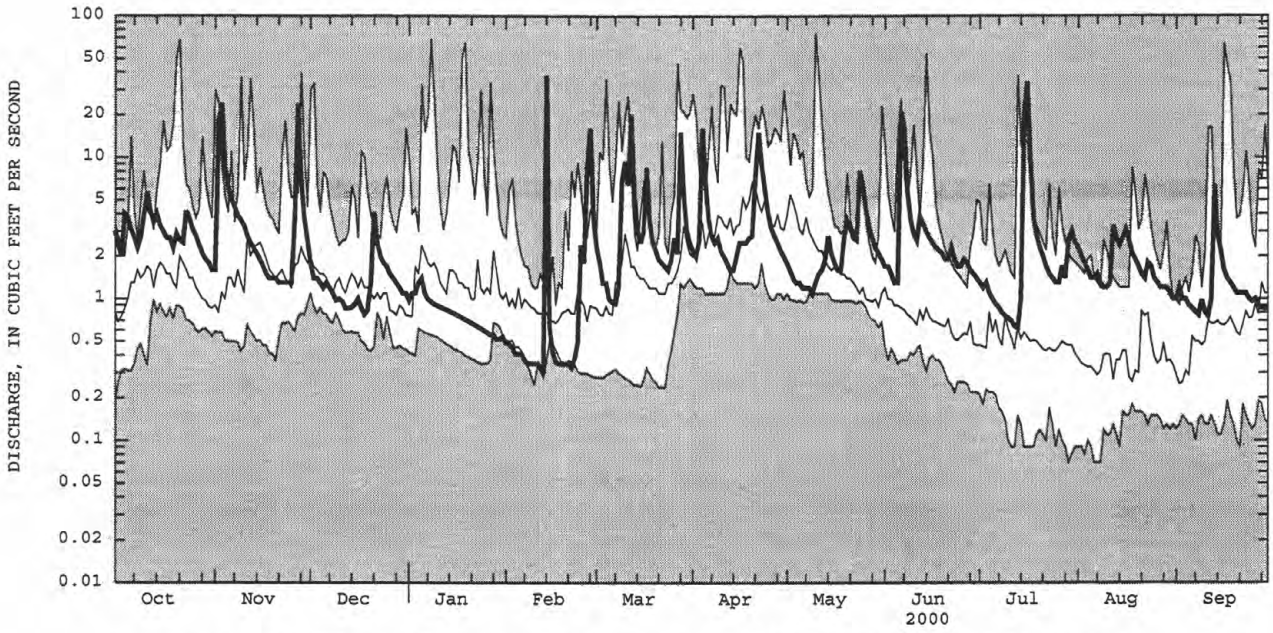
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	2.71	3.26	1.96	3.12	1.30	3.09	5.77	3.08	1.77	1.35	.84	1.73
MAX	5.97	4.88	5.85	5.65	2.75	4.91	12.1	7.69	4.32	4.59	2.03	5.79
(WY)	1996	1996	1997	1998	2000	1998	1993	1998	1998	1996	1994	1999
MIN	1.02	1.00	.67	.81	.51	1.29	1.57	1.10	.34	.14	.18	.16
(WY)	1994	1999	1998	2000	1992	1996	1995	1995	1991	1991	1993	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	958.05		1002.57			
ANNUAL MEAN	2.62		2.74		2.58	
HIGHEST ANNUAL MEAN					3.83	1996
LOWEST ANNUAL MEAN					1.47	1995
HIGHEST DAILY MEAN	64	Sep 16	38	Feb 14	76	May 10 1998
LOWEST DAILY MEAN	.22	Aug 25	.30	Feb 13	.07	Jul 29 1991
ANNUAL SEVEN-DAY MINIMUM	.26	Aug 30	.34	Feb 7	.08	Aug 2 1991
ANNUAL RUNOFF (CFSM)	3.41		3.56		3.35	
ANNUAL RUNOFF (INCHES)	46.29		48.44		45.50	
10 PERCENT EXCEEDS	4.1		4.2		5.1	
50 PERCENT EXCEEDS	1.3		1.7		1.2	
90 PERCENT EXCEEDS	.36		.69		.31	

e Estimated

01434021 WEST BRANCH NEVERSINK RIVER AT WINNISOOK LAKE NEAR FROST VALLEY, NY--Continued



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

01434025 BISCUIT BROOK ABOVE PIGEON BROOK AT FROST VALLEY, NY
(Hydrologic bench-mark station)

LOCATION.--Lat 41°59'43", long 74°30'05", Ulster County, Hydrologic Unit 02040104, on right bank 0.2 mi upstream from Pigeon Brook, 0.6 mi upstream from mouth, and 0.8 mi northeast of Frost Valley. Water-quality sampling site at discharge station.
DRAINAGE AREA.--3.72 mi^2.

WATER-DISCHARGE RECORDS

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 ft^3/s, Apr. 4, 1987, gage height, 4.37 ft, present datum; minimum discharge, 0.24 ft^3/s, Sept. 2, 3, 1991, gage height, 0.75 ft; minimum gage height, 0.54 ft, Aug. 9, 10, 11, 12, 1997.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2215	*161	2.84	Feb. 14	1230	ice jam	*2.99

Minimum discharge, 1.6 ft^3/s, Feb. 13, gage height, 0.71 ft.

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	9.9	5.8	9.7	4.9	2.6	19	12	9.0	8.6	6.8	7.0	4.3
2	7.3	33	8.9	5.2	2.5	16	11	8.3	8.9	6.1	6.1	5.5
3	6.5	53	8.4	5.6	2.4	13	12	7.5	7.6	6.4	6.0	4.3
4	17	21	8.1	7.4	2.3	12	37	7.0	6.6	6.3	5.6	4.3
5	12	15	7.5	6.9	2.3	10	25	7.1	6.5	5.0	4.6	3.5
6	9.2	13	9.7	e6.0	2.2	9.1	18	6.7	60	4.4	5.1	3.1
7	7.7	11	8.1	5.2	2.1	10	15	6.1	67	4.0	8.1	2.9
8	7.1	10	7.2	5.2	2.0	16	14	5.8	24	3.7	5.3	2.7
9	9.5	9.2	6.7	4.7	1.9	41	17	5.3	17	3.4	5.0	6.5
10	15	8.5	7.3	8.5	2.0	51	13	9.1	14	3.2	4.3	4.0
11	15	7.7	7.5	8.5	2.1	45	12	9.8	13	2.8	9.1	e3.5
12	11	7.1	6.5	6.3	1.8	82	12	10	24	2.6	14	e7.0
13	9.4	6.8	6.2	e6.0	1.7	32	11	12	20	2.4	9.5	44
14	15	6.4	6.4	e5.6	e15	22	13	15	19	5.6	8.6	14
15	11	6.0	7.1	e5.4	6.7	19	13	11	17	45	8.8	12
16	9.4	5.6	7.7	e5.0	4.7	20	12	9.5	15	71	10	9.5
17	8.6	5.1	6.5	e4.8	e3.3	38	12	8.6	13	28	7.6	8.1
18	7.8	4.8	5.8	e4.6	e3.2	23	16	11	13	16	6.9	7.2
19	7.1	4.8	5.7	e4.3	e3.1	18	14	20	13	12	6.3	6.8
20	12	5.1	9.1	e4.0	e3.0	16	12	20	10	9.8	5.7	6.3
21	9.0	4.8	17	e3.8	3.1	14	23	18	11	8.7	5.2	5.6
22	8.5	4.3	10	e3.7	3.4	12	34	16	16	7.9	4.8	5.1
23	18	4.1	e9.2	e3.6	3.9	11	27	18	11	6.7	11	5.2
24	12	4.3	e8.2	e3.5	5.9	11	21	40	9.7	6.1	9.5	5.6
25	9.9	5.3	e7.4	e3.4	14	10	17	30	10	5.5	6.5	4.7
26	9.0	16	e6.8	e3.3	16	9.8	15	22	12	5.3	5.7	5.4
27	8.1	53	e6.4	3.1	35	8.7	14	18	11	7.3	5.2	4.8
28	7.5	19	e6.0	2.9	68	31	13	15	8.7	5.4	4.9	4.1
29	7.1	14	e5.6	2.8	26	20	11	13	8.1	10	4.8	3.9
30	6.6	11	e5.4	2.7	---	15	9.9	11	7.8	9.0	4.5	3.7
31	6.2	---	e5.2	e2.8	---	13	---	9.7	---	7.6	4.2	---
TOTAL	309.4	374.7	237.3	149.7	242.2	667.6	485.9	409.5	482.5	324.0	209.9	207.6
MEAN	9.98	12.5	7.65	4.83	8.35	21.5	16.2	13.2	16.1	10.5	6.77	6.92
MAX	18	53	17	8.5	68	82	37	40	67	71	14	44
MIN	6.2	4.1	5.2	2.7	1.7	8.7	9.9	5.3	6.5	2.4	4.2	2.7
CFSM	2.68	3.36	2.06	1.30	2.25	5.79	4.35	3.55	4.32	2.81	1.82	1.86
IN.	3.09	3.75	2.37	1.50	2.42	6.68	4.86	4.10	4.82	3.24	2.10	2.08

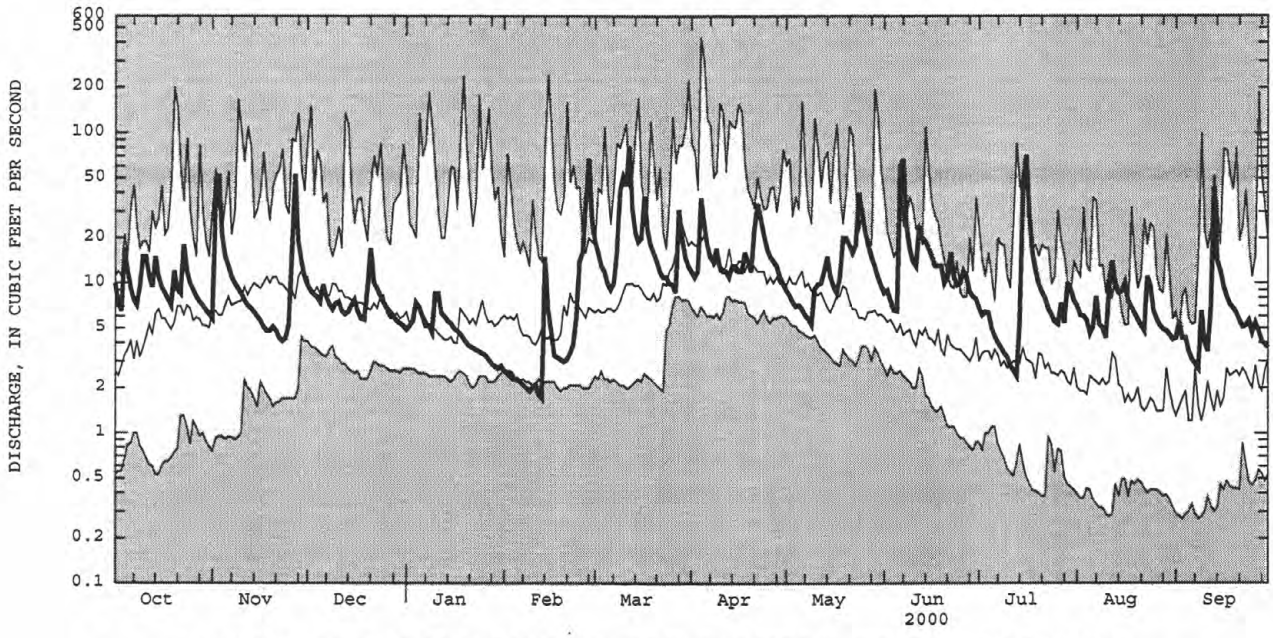
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2000, BY WATER YEAR (WY)

MEAN	8.36	13.1	11.5	11.4	9.29	16.7	21.8	13.4	6.68	4.76	3.61	5.18
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	8.41	8.83	4.57	1.83	.74	.65	.67
(WY)	1985	1999	1990	1989	1987	1996	1995	1995	1991	1991	1993	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1983 - 2000	
ANNUAL TOTAL	3588.14		4100.3			
ANNUAL MEAN	9.83		11.2		10.5	
HIGHEST ANNUAL MEAN					14.0	1996
LOWEST ANNUAL MEAN					6.76	1985
HIGHEST DAILY MEAN	178	Jan 24	82	Mar 12	431	Apr 4 1987
LOWEST DAILY MEAN	.29	Sep 4	1.7	Feb 13	.27	Sep 3 1991
ANNUAL SEVEN-DAY MINIMUM	.34	Aug 30	1.9	Feb 7	.31	Sep 7 1991
ANNUAL RUNOFF (CFSM)	2.64		3.01		2.83	
ANNUAL RUNOFF (INCHES)	35.88		41.00		38.39	
10 PERCENT EXCEEDS	19		20		20	
50 PERCENT EXCEEDS	6.7		8.1		6.0	
90 PERCENT EXCEEDS	.79		3.5		1.4	

e Estimated

01434025 BISCUIT BROOK ABOVE PIGEON BROOK AT FROST VALLEY, NY--Continued
(Hydrologic bench-mark 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.

01434025 BISCUIT BROOK ABOVE PIGEON BROOK, AT FROST VALLEY, NY--Continued
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1983 to September 1987, November 1992 to current year.
CHEMICAL DATA: 1983-87 (e), 1993-95 (b), 1996-97 (a), 1998 (c), 1999-2000 (b).
MINOR ELEMENTS DATA: 1983-87 (e), 1993-95 (b), 1996 (a), 1998 (c), 1999-2000 (b).
PESTICIDE DATA: 1997 (a).
RADIOCHEMICAL DATA: 1993-95 (a).
ORGANIC DATA: 1983-87 (e).
NUTRIENT DATA: 1983-87 (e), 1993-95 (b), 1996-97 (a), 1998 (c), 1999-2000 (b).
BIOLOGICAL DATA:
Bacteria--1993-95 (b), 1996 (a).
SEDIMENT DATA: 1993-95 (b), 1996 (a).
REMARKS.--Provisional chemical, nutrient, and minor elements data for additional samples are available in files of the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
DEC									
07...	1015	8.1	6.8	20.5	2.0	.47	.14	.4	.58
MAR									
28...	1114	42	6.5	18.4	1.8	.40	.17	.3	.54
JUN									
22...	1141	15	7.7	18.9	1.9	.43	.09	.3	.39

DATE	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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)
DEC									
07...	.04	2.1	5.1	.94	<.006	<.001	<.008	<.01	<1
MAR									
28...	.04	1.6	4.3	.94	--	<.01	--	<.01	<1
JUN									
22...	.04	1.9	4.9	.28	<.006	.001	<.008	<.01	<1

01434092 SHELTER CREEK BELOW DRY CREEK NEAR FROST VALLEY, NY

LOCATION.--Lat 41°58'12", long 74°30'53", Ulster County, Hydrologic Unit 02040104, on right bank about 50 ft downstream from Dry Creek, and 1.2 mi south of Frost Valley.
DRAINAGE AREA.--0.62 mi^2.
PERIOD OF RECORD.--October 1992 to current year. Occasional miscellaneous measurements 1992.
GAGE.--Water-stage recorder. Elevation of gage is 2,140 ft above 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, 96 ft^3/s, Nov. 9, 1996, from rating curve extended above 25 ft^3/s; maximum gage height, 1.86 ft, Nov. 9, 1996, July 15, 2000; minimum discharge, 0.044 ft^3/s, Sept. 1, 2, 3, 4, 1999; minimum gage height, 0.68 ft, Aug. 12, 1997.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 92 ft^3/s, July 15, gage height, 1.86 ft, from rating curve extended above 25 ft^3/s; minimum recorded discharge, 0.35 ft^3/s, Feb. 17, July 13, gage height, 0.88 ft, but may have been less during period of estimated record.

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

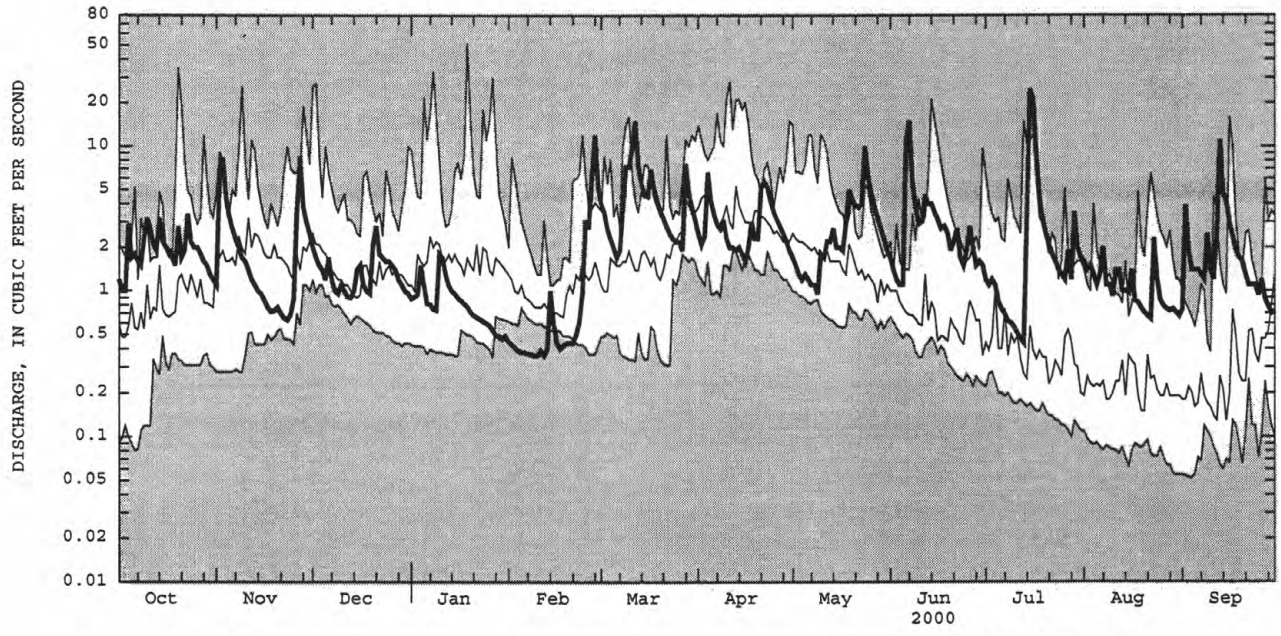
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.1	2.0	.89	e.45	4.0	2.5	1.7	1.7	1.2	1.6	.74
2	1.0	6.7	1.7	.91	e.43	3.5	2.1	1.5	1.4	1.1	1.4	3.9
3	1.0	8.3	1.5	.95	e.41	2.7	2.4	1.3	1.2	1.2	1.5	1.9
4	2.9	4.4	1.4	1.5	e.39	2.3	6.6	1.2	1.1	1.1	1.3	1.4
5	1.7	3.3	1.2	1.1	e.38	2.0	4.2	1.3	1.1	.84	1.1	1.4
6	1.8	2.7	1.7	.82	e.38	1.7	3.4	1.2	11	.75	1.3	1.4
7	1.6	2.3	1.2	.81	e.37	1.9	2.9	1.1	15	.69	2.0	1.3
8	1.5	2.0	1.0	.75	e.37	3.6	2.7	1.1	5.6	.62	1.1	1.2
9	2.3	1.7	.96	.74	e.36	7.2	3.1	.95	3.8	.60	1.1	2.5
10	3.2	1.6	1.1	1.8	e.36	7.2	2.3	1.8	2.9	.56	.92	1.4
11	2.7	1.4	1.0	e1.7	e.39	9.7	2.0	1.7	3.0	.51	1.4	1.2
12	2.1	1.2	.91	e1.3	e.36	15	2.0	2.2	4.6	.47	1.4	2.6
13	1.9	1.1	.90	e1.1	e.40	7.3	1.9	2.2	4.0	.44	1.0	11
14	3.2	1.0	1.0	e1.0	e1.0	5.5	2.0	2.7	4.0	3.4	1.0	4.7
15	2.2	.95	1.4	e.96	e.60	4.6	1.8	2.0	3.5	25	.97	4.2
16	2.0	.86	1.5	e.90	.44	4.5	1.6	2.0	3.1	21	1.4	3.0
17	1.9	.77	1.1	e.86	.40	6.9	2.0	1.9	2.7	8.5	.86	2.4
18	1.7	.72	1.0	e.82	.42	5.1	3.0	2.9	2.8	4.4	.83	1.9
19	1.5	.73	.96	e.78	.44	4.2	2.3	5.0	2.5	3.1	.76	1.7
20	2.8	.77	2.1	e.72	.44	3.6	2.3	4.3	1.9	2.5	.71	1.6
21	1.7	.70	2.8	e.68	.44	3.2	5.2	3.9	2.2	2.1	.67	1.3
22	1.9	.65	1.8	e.66	.50	2.8	5.7	3.8	2.7	1.8	.64	1.1
23	3.4	.63	1.7	e.64	.61	2.5	5.2	4.0	1.7	1.6	2.3	1.1
24	2.2	.68	1.6	e.62	.96	2.3	4.2	10	1.5	1.4	1.2	1.1
25	2.0	.88	1.6	e.60	3.1	2.2	3.5	6.2	1.9	1.3	.86	.93
26	2.0	3.5	1.5	e.58	2.7	2.2	3.1	4.7	2.8	1.2	.79	1.2
27	1.8	8.5	1.4	e.54	6.2	1.9	2.8	3.8	2.0	1.9	.75	.88
28	1.6	3.8	1.2	e.50	12	7.6	2.5	3.2	1.5	1.2	.73	.78
29	1.5	3.0	1.1	e.49	5.2	4.7	2.2	2.7	1.6	3.5	.75	.70
30	1.3	2.5	1.0	e.47	---	3.8	1.9	2.3	1.5	2.0	.71	.72
31	1.2	---	.96	e.49	---	3.1	---	1.9	---	1.7	.67	---
TOTAL	60.8	68.44	42.29	26.68	40.50	138.8	89.4	86.55	96.3	97.68	33.72	61.25
MEAN	1.96	2.28	1.36	.86	1.40	4.48	2.98	2.79	3.21	3.15	1.09	2.04
MAX	3.4	8.5	2.8	1.8	12	15	6.6	10	15	25	2.3	11
MIN	1.0	.63	.90	.47	.36	1.7	1.6	.95	1.1	.44	.64	.70
CFSM	3.16	3.68	2.20	1.39	2.25	7.22	4.81	4.50	5.18	5.08	1.75	3.29
IN.	3.65	4.11	2.54	1.60	2.43	8.33	5.36	5.19	5.78	5.86	2.02	3.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

MEAN	1.62	2.54	2.07	2.87	1.34	2.90	4.56	2.26	1.49	1.32	.59	.83
MAX	3.91	3.52	5.00	5.44	2.46	4.48	8.85	4.23	3.81	3.20	1.69	2.04
(WY)	1997	1993	1997	1996	1996	2000	1993	1998	1998	1996	1994	2000
MIN	.48	.67	.68	.86	.58	1.62	1.84	.96	.52	.24	.10	.17
(WY)	1999	1999	1996	2000	1993	1993	1995	1995	1999	1993	1993	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	597.842		842.41			
ANNUAL MEAN	1.64		2.30		2.03	
HIGHEST ANNUAL MEAN					2.57	1996
LOWEST ANNUAL MEAN					1.34	1999
HIGHEST DAILY MEAN	18	Jan 24	25	Jul 15	52	Jan 19 1996
LOWEST DAILY MEAN	.052	Sep 4	.36	Feb 9	.052	Sep 4 1999
ANNUAL SEVEN-DAY MINIMUM	.06	Aug 30	.37	Feb 6	.06	Aug 30 1999
ANNUAL RUNOFF (CFSM)	2.64		3.71		3.28	
ANNUAL RUNOFF (INCHES)	35.87		50.54		44.59	
10 PERCENT EXCEEDS	3.4		4.4		4.3	
50 PERCENT EXCEEDS	1.1		1.6		1.2	
90 PERCENT EXCEEDS	.11		.63		.21	

e Estimated



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

01434498 WEST BRANCH NEVERSINK RIVER AT CLARYVILLE, NY

LOCATION.--Lat 41°55'13", long 74°34'30", Sullivan County, Hydrologic Unit 02040104, on left bank about 100 ft downstream from bridge on County Highway 157 in Claryville.
DRAINAGE AREA.--33.8 mi^2.
PERIOD OF RECORD.--July 1991 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 1,620 ft above sea level, from topographic map.
REMARKS.--Records good except those above 1,600 ft^3/s and those for estimated daily discharges, which are poor. Diversion upstream from station to maintain lake volume at Frost Valley YMCA camp. Excess lake water is diverted back into the river upstream from station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,020 ft^3/s, Jan. 19, 1996, gage height, 11.83 ft, from rating curve extended above 1,200 ft^3/s on basis of runoff comparisons with nearby stations; minimum discharge, 5.9 ft^3/s, result of freezeup, Mar. 14, 1993; minimum gage height, 3.84 ft, Aug. 12, 13, 1997.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	2330	1,560	8.25	June 7	0145	1,900	8.58
Mar. 12	0545	1,600	8.29	July 15	1815	a*2,460	*9.05

a From rating curve extended as explained above.

Minimum discharge, 15 ft^3/s, Feb. 13, gage height, 4.46 ft, result of freezeup.

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

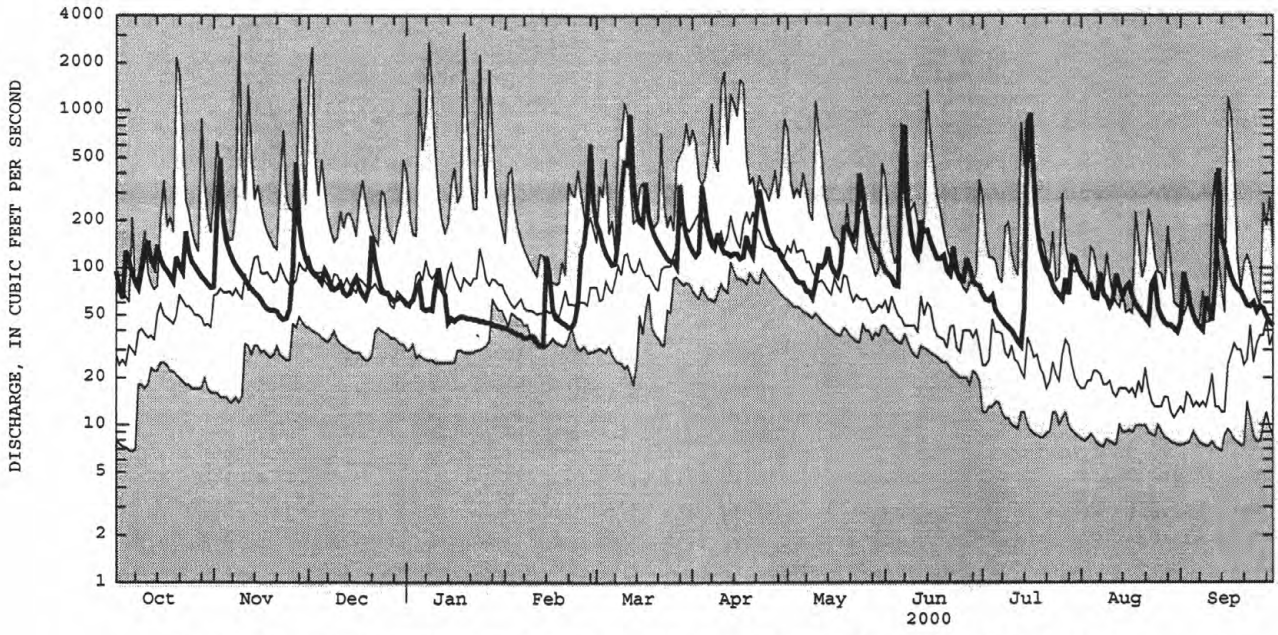
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	76	103	59	e42	192	129	101	96	68	89	45
2	73	231	95	60	e41	172	120	97	92	63	82	93
3	64	496	90	63	e40	142	127	89	87	62	78	76
4	128	194	87	74	e39	124	335	83	78	66	78	59
5	112	147	81	81	e38	114	241	81	77	54	65	50
6	92	128	97	e56	e38	105	178	81	498	50	64	45
7	81	114	89	e54	e36	107	152	72	802	47	93	42
8	74	104	78	55	e36	152	137	71	242	44	68	40
9	96	97	73	54	e37	307	167	65	165	42	64	65
10	129	91	75	77	e37	466	138	80	130	40	57	57
11	148	85	80	100	e34	454	126	104	119	37	63	46
12	112	78	70	74	e32	940	125	102	200	34	91	82
13	102	74	67	68	32	350	120	109	171	32	76	422
14	139	70	69	e45	119	236	124	136	174	55	66	155
15	114	67	80	e48	93	198	124	104	147	840	75	131
16	102	63	87	e46	55	189	115	95	130	949	79	105
17	96	58	75	e48	48	350	118	89	115	387	66	89
18	89	55	68	e49	e47	214	160	104	115	190	59	79
19	82	54	64	e49	e45	180	133	182	120	135	55	73
20	117	54	74	e48	44	159	121	187	97	112	51	71
21	103	53	161	e48	42	146	207	165	91	97	48	64
22	94	49	110	e47	42	134	315	153	136	90	45	58
23	170	47	e90	e47	46	124	245	178	96	78	78	57
24	127	48	e75	e46	59	115	197	398	85	71	86	60
25	109	55	e70	e46	123	111	165	298	83	67	55	53
26	102	100	e70	e45	144	111	148	213	114	63	49	57
27	95	467	e65	e45	227	102	136	172	101	85	45	55
28	88	189	e62	e44	610	338	131	149	84	68	43	49
29	84	137	e64	e43	263	209	117	133	78	118	43	45
30	79	115	e66	e43	---	163	109	125	77	116	41	43
31	75	---	63	e42	---	142	---	108	---	99	39	---
TOTAL	3171	3596	2498	1704	2489	6846	4760	4124	4600	4259	1991	2366
MEAN	102	120	80.6	55.0	85.8	221	159	133	153	137	64.2	78.9
MAX	170	496	161	100	610	940	335	398	802	949	93	422
MIN	64	47	62	42	32	102	109	65	77	32	39	40
CFSM	3.03	3.55	2.38	1.63	2.54	6.53	4.69	3.94	4.54	4.06	1.90	2.33
IN.	3.49	3.96	2.75	1.88	2.74	7.53	5.24	4.54	5.06	4.69	2.19	2.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	82.2	136	113	159	77.1	154	237	116	81.3	57.8	34.7	47.0
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	53.8	40.2	108	86.7	49.7	34.5	11.1	10.7	10.3
(WY)	1999	1999	1999	1994	1993	1993	1995	1995	1993	1991	1993	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	35433.8		42404			
ANNUAL MEAN	97.1		116		109	
HIGHEST ANNUAL MEAN					151	1996
LOWEST ANNUAL MEAN					70.3	1995
HIGHEST DAILY MEAN	2250	Jan 24	949	Jul 16	3100	Jan 19 1996
LOWEST DAILY MEAN	9.0	Sep 3	32	Feb 12	6.8	Sep 14 1991
ANNUAL SEVEN-DAY MINIMUM	9.4	Aug 30	35	Feb 7	7.3	Sep 8 1991
ANNUAL RUNOFF (CFSM)	2.87		3.43		3.22	
ANNUAL RUNOFF (INCHES)	39.00		46.67		43.73	
10 PERCENT EXCEEDS	174		191		202	
50 PERCENT EXCEEDS	69		86		63	
90 PERCENT EXCEEDS	14		45		16	

e Estimated



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

01435000 NEVERSINK RIVER NEAR CLARYVILLE, NY

LOCATION.--Lat 41°53'24", long 74°35'25", Sullivan County, Hydrologic Unit 02040104, on left bank 50 ft downstream from covered bridge, 300 ft upstream from small tributary, 2.2 mi downstream from confluence of East and West Branches, and 2.2 mi southwest of Claryville.
DRAINAGE AREA.--66.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD (Revised).--November 1937 to May 1949, July 1951 to current year. Prior to July 1951, published as "at Halls Mills near Curry" (01435500).
REVISED RECORDS.--WDR NY-75-1: Gage datum. WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,522.37 ft above sea level. Prior to Oct. 1, 1974, at datum 6.00 ft higher. Oct. 1, 1974 to Sept. 30, 1979 at datum 5.00 ft higher. November 1937 to May 1949, at site 1.3 mi downstream at elevation 1,470 ft, from topographic map.
REMARKS.--Records good below 6,000 ft^3/s and fair above, except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,300 ft^3/s, Apr. 4, 1987, gage height, 13.26 ft; maximum gage height, 13.83 ft, present datum, July 10, 1952; minimum discharge, 6.8 ft^3/s, Sept. 24, 25, 1964.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 25, 1950, reached a stage of about 15.0 ft, present datum, from floodmarks, discharge, 23,400 ft^3/s, by slope-area measurement.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	0230	3,180	10.02	July 15	1745	*5,410	*11.00

Minimum recorded discharge, 63 ft^3/s, Feb. 13, result of freezeup, gage height, 6.51 ft, but may have been less during period of estimated record, Feb. 8-9, 12, 14.

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	178	122	198	109	83	367	229	185	174	153	212	84
2	131	340	181	108	82	321	212	175	160	140	188	271
3	115	990	170	111	e80	259	222	160	152	138	167	456
4	230	400	162	127	77	221	648	150	138	152	162	189
5	210	297	153	156	76	201	464	143	134	125	137	141
6	164	250	182	115	73	179	333	145	1040	112	132	119
7	142	218	173	113	71	182	278	132	1570	105	192	108
8	129	199	150	103	e68	268	249	128	546	99	145	100
9	165	184	140	101	e66	533	305	120	368	94	130	144
10	234	171	139	133	70	814	249	135	287	92	119	135
11	297	159	150	200	69	772	225	194	249	87	119	109
12	212	146	134	142	e66	1580	220	185	466	82	192	181
13	184	140	128	129	e68	666	212	203	377	79	165	876
14	247	132	131	95	e140	444	214	267	392	240	134	357
15	207	126	156	e110	176	363	217	195	328	2330	155	293
16	179	119	173	e110	103	339	203	173	287	2130	155	230
17	166	114	152	e110	e82	655	205	159	247	837	130	192
18	153	109	138	e110	e80	392	302	178	239	429	116	169
19	140	106	126	e110	e78	322	256	356	255	299	108	155
20	202	105	137	114	82	280	234	373	205	239	99	151
21	184	105	322	110	79	250	400	319	186	200	94	135
22	159	99	210	107	e78	227	727	287	296	182	89	124
23	327	95	177	107	82	207	529	336	203	156	139	120
24	236	96	154	105	98	193	408	902	176	141	171	124
25	196	104	133	100	e200	182	333	625	167	131	108	115
26	177	177	141	101	286	190	290	428	264	123	94	116
27	163	908	144	96	411	171	263	335	221	182	87	115
28	150	391	125	94	1110	643	250	283	183	147	84	103
29	141	276	126	e90	525	409	222	248	176	257	83	98
30	133	227	126	e88	---	306	200	223	179	273	80	94
31	124	---	119	85	---	259	---	197	---	228	77	---
TOTAL	5675	6905	4850	3489	4559	12195	9099	7939	9665	9982	4063	5604
MEAN	183	230	156	113	157	393	303	256	322	322	131	187
MAX	327	990	322	200	1110	1580	727	902	1570	2330	212	876
MIN	115	95	119	85	66	171	200	120	134	79	77	84
CFSM	2.75	3.46	2.35	1.69	2.36	5.91	4.55	3.85	4.84	4.83	1.97	2.80
IN.	3.17	3.86	2.71	1.95	2.55	6.81	5.08	4.43	5.40	5.58	2.27	3.13

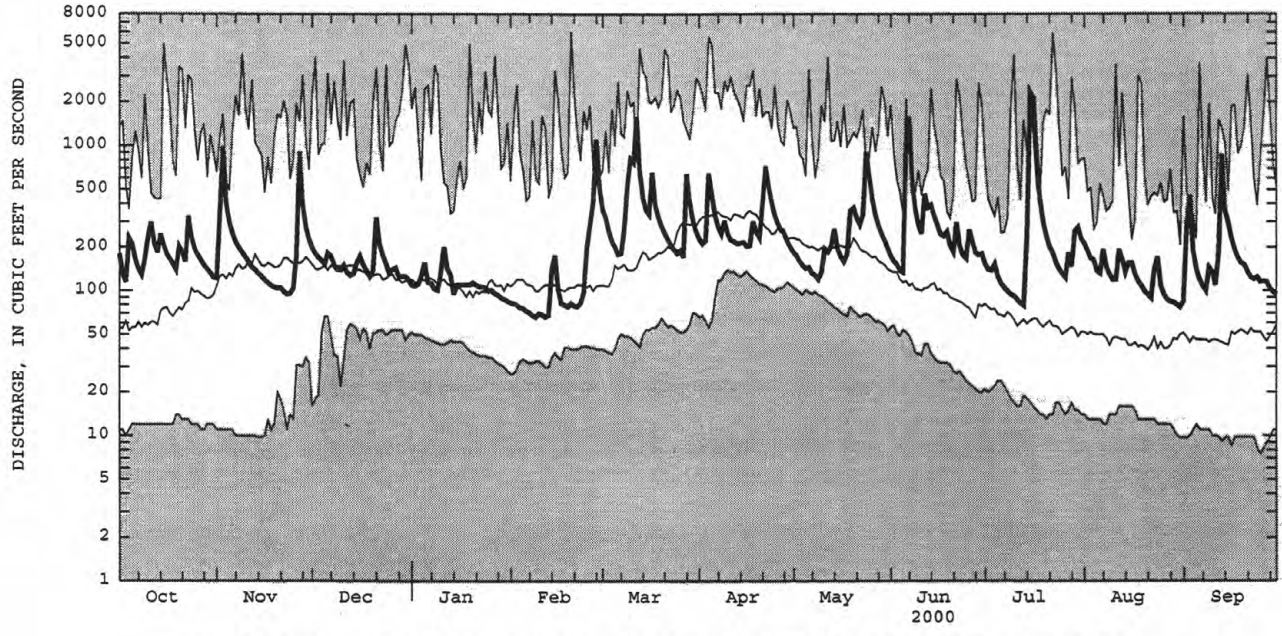
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

MEAN	141	209	211	175	162	291	425	260	146	104	75.8	94.9
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

01435000 NEVERSINK RIVER NEAR CLARYVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1938 - 2000	
ANNUAL TOTAL	65261		84025			
ANNUAL MEAN	179		230		190	
HIGHEST ANNUAL MEAN					286	1996
LOWEST ANNUAL MEAN					100	1965
HIGHEST DAILY MEAN	3250	Jan 24	2330	Jul 15	6090	Feb 20 1981
LOWEST DAILY MEAN	16	Aug 13	66	Feb 9	7.5	Sep 25 1964
ANNUAL SEVEN-DAY MINIMUM	18	Aug 7	68	Feb 7	8.9	Sep 21 1964
ANNUAL RUNOFF (CFSM)	2.68		3.45		2.85	
ANNUAL RUNOFF (INCHES)	36.45		46.93		38.71	
10 PERCENT EXCEEDS	324		391		381	
50 PERCENT EXCEEDS	131		167		115	
90 PERCENT EXCEEDS	28		94		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 current year.
CHEMICAL DATA: 1965 (a), 1966 (b), 1969, 1971 (a), 1973-75 (b), 1985 (a), 1986 (b), 1987 (c), 1999-2000 (a).
NUTRIENT DATA: 1985 (a), 1986 (b), 1987 (c), 1998 (e), 1999-2000 (a).
REMARKS.--These samples were collected as part of the Delaware River basin NAWQA. A complete list of pesticides analyzed, the units of measure (micorgrams per liter, mg/L), and their reporting levels, is provided following the Introduction to the Hudson River basin NAWQA section near the end of this report.
Survey.

WATER-QUALITY DATA, OCTOBER 1999 TO OCTOBER 2000

DATE	TIME	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)
JUN 2000										
26...	1420	247	717	108	9.8	6.7	24	27.5	17.0	7
OCT										
16...	1040	60	729	93	10.0	6.4	27	9.5	10.0	9

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)	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)
JUN 2000										
26...	2.08	.53	.2	1.0	2	3	1.5	<.1	2.1	4.7
OCT										
16...	2.52	.64	.3	1.1	4	4	1.5	E.1	2.5	4.9

DATE	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)	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)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
JUN 2000										
26...	E.10	E.10	<.020	--	<.050	<.010	<.006	<.010	<.008	1.8
OCT										
16...	E.10	.10	<.041	.14	.052	<.006	<.006	<.018	E.002	1.0

DATE	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, 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-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
JUN 2000									
26...	<.2	18	14	<1	<16	E10	5	3.8	6
OCT									
16...	<.2	20	16	<1	<13	<10	E2	.16	1

WATER-COLUMN PESTICIDE ANALYSES

Samples were analyzed for pesticides using laboratory schedule 2001. Selected pesticides are listed in the following table.

DATE	TIME	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	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)
JUN 2000												
26...	1420	<.002	<.002	.005	<.002	<.002	<.003	<.003	<.004	<.004	<.002	E.003
OCT												
16...	1040	<.004	<.002	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006

E Estimated value.

01435000 NEVERSINK RIVER NEAR CLARYVILLE, NY--Continued
(National water-quality assessment program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	DI-AZINON, DISSOLVED (UG/L) (39572)	DI-ELDRIN DISSOLVED (UG/L) (39381)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DISSOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DISSOLVED (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 SENCOR WATER DISSOLV (UG/L) (82630)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)
JUN 2000											
26...	<.002	<.001	<.002	<.003	<.004	<.002	<.005	<.001	.004	<.004	<.003
OCT											
16...	<.005	<.005	<.002	<.003	<.004	<.035	<.027	<.050	<.013	<.006	<.007

DATE	P,P' DDE DISSOLV (UG/L) (34653)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	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)	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)	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)
JUN 2000											
26...	<.006	<.004	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
OCT											
16...	<.002	<.010	<.015	<.004	<.010	<.011	<.011	<.016	<.034	<.002	<.009

01436000 NEVERSINK RIVER AT NEVERSINK, NY

LOCATION.--Lat 41°49'12", long 74°38'09", Sullivan County, Hydrologic Unit 02040104, on right bank at downstream end of outlet channel, 1,650 ft downstream from Neversink Dam and State Highway 55, 2.0 mi southwest of Neversink, and 2.6 mi upstream from Wynkoop Brook.
DRAINAGE AREA.--92.6 mi^2.
PERIOD OF RECORD.--October 1941 to current year.
REVISED RECORDS.--WDR NY-72-1: 1961 (M), 1968 (M). WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,255.24 ft above 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 mi^2 of drainage area controlled by Neversink Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply (see Reservoirs in Delaware River Basin). Remainder of flow (except for conservation release and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,300 ft^3/s, Nov. 25, 1950, gage height, 11.23 ft, site and datum then in use, from rating curve extended above 2,600 ft^3/s on basis of contracted-opening and critical- depth measurements of peak flow; maximum gage height, 11.65 ft, Sept. 27, 1942, site and datum then in use; minimum discharge, no flow for all or part of each day Sept. 22-24, Oct. 26-29, 1954.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,080 ft^3/s, July 16, gage height, 5.97 ft; minimum, 18 ft^3/s, Dec. 11, gage height, 2.88 ft.

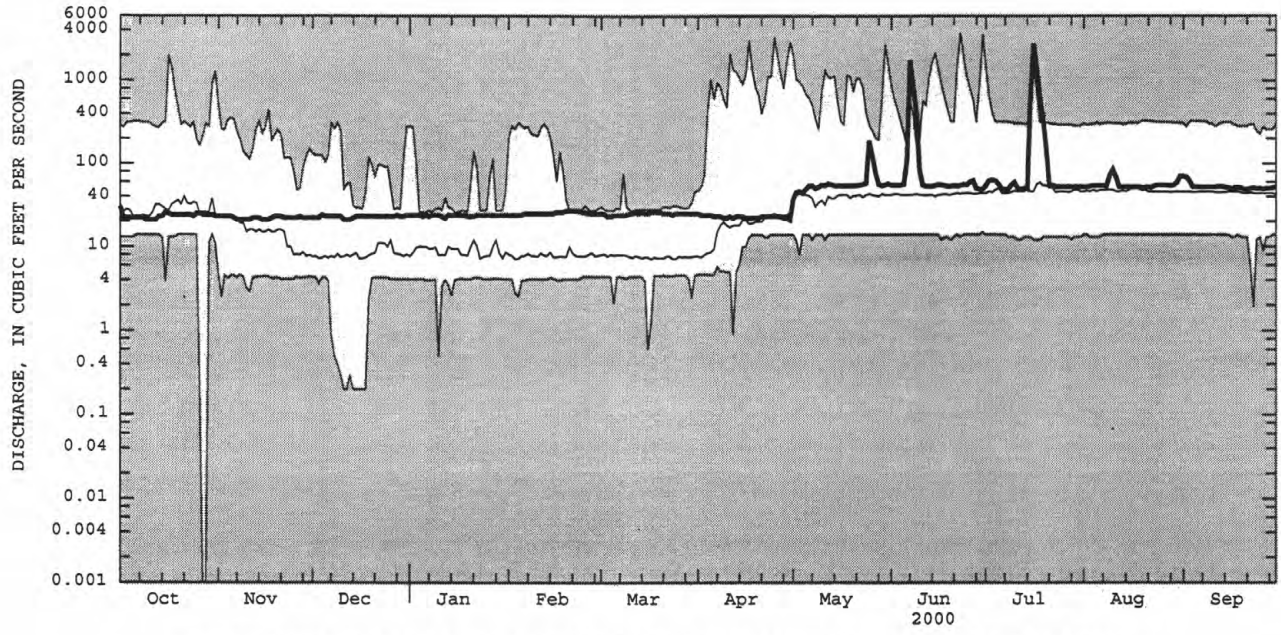
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	23	22	24	24	25	25	37	55	54	52	70
2	22	23	22	24	24	25	24	45	55	62	52	69
3	22	23	22	24	24	23	24	46	55	63	53	61
4	22	23	24	24	24	23	24	44	55	62	54	52
5	22	23	23	23	24	24	24	49	56	56	54	52
6	22	22	23	24	25	24	23	54	109	49	54	52
7	22	21	23	23	25	24	23	54	1750	49	54	52
8	22	21	23	24	25	24	23	50	852	49	53	52
9	21	21	23	24	25	24	22	52	431	55	71	52
10	21	21	23	24	25	25	22	55	83	59	84	52
11	21	21	21	23	25	25	23	54	55	50	68	52
12	21	22	21	22	25	26	22	57	53	49	52	53
13	23	22	21	24	25	25	23	56	53	50	52	53
14	23	22	22	24	25	26	23	54	53	49	52	52
15	26	21	23	24	25	25	23	54	54	607	52	51
16	25	21	23	24	26	25	22	54	56	2750	52	50
17	24	21	23	24	26	26	22	54	55	1380	52	51
18	24	22	23	24	26	26	22	54	54	630	52	51
19	24	23	23	23	27	26	22	54	53	350	51	51
20	24	23	23	23	27	26	22	54	53	156	51	49
21	24	23	23	23	27	25	23	54	54	55	52	49
22	24	22	23	24	27	25	23	55	53	55	51	50
23	24	22	23	24	27	25	23	56	54	52	54	51
24	23	22	23	24	26	24	23	58	56	52	55	50
25	25	22	23	24	26	25	23	189	55	52	55	50
26	25	22	23	24	25	25	23	124	60	52	55	49
27	24	23	23	24	25	25	23	77	62	52	55	50
28	24	22	24	24	25	25	22	56	50	52	54	50
29	24	22	23	24	25	25	22	54	49	52	55	51
30	24	22	23	24	---	25	21	55	49	52	59	52
31	23	---	24	24	---	25	---	57	---	52	70	---
TOTAL	725	661	706	736	735	771	684	1866	4582	7207	1730	1579
MEAN	23.4	22.0	22.8	23.7	25.3	24.9	22.8	60.2	153	232	55.8	52.6
MAX	30	23	24	24	27	26	25	189	1750	2750	84	70
MIN	21	21	21	22	24	23	21	37	49	49	51	49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)

MEAN	50.7	24.8	15.9	14.7	16.7	13.8	83.9	80.1	71.9	73.4	73.4	64.5
MAX	279	198	66.0	33.5	148	29.1	420	319	369	293	305	231
(WY)	1956	1956	1997	1956	1961	1978	1993	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1954 - 2000	
ANNUAL TOTAL	13987.6		21982			
ANNUAL MEAN	38.3		60.1		48.8	
HIGHEST ANNUAL MEAN					158	1956
LOWEST ANNUAL MEAN					11.4	1971
HIGHEST DAILY MEAN	124	Jul 5	2750	Jul 16	3700	Jun 23 1972
LOWEST DAILY MEAN	4.6	Jan 30	21	Oct 9	.00	Oct 27 1954
ANNUAL SEVEN-DAY MINIMUM	4.9	Jan 28	21	Nov 6	.23	Dec 12 1958
10 PERCENT EXCEEDS	68		56		76	
50 PERCENT EXCEEDS	26		25		23	
90 PERCENT EXCEEDS	19		22		5.2	



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

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY

LOCATION.--Lat 41°38'15", long 74°37'04", Sullivan County, Hydrologic Unit 02040104, on left bank 0.1 mi upstream from State Highway 17 bridge, and 0.25 mi upstream from Bridgeville. Water-quality sampling site at discharge station.
DRAINAGE AREA.--171 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1992 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 1,080 ft above 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 mi^2 of drainage area controlled by Neversink Reservoir (see Reservoirs in Delaware River basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite and telephone gage-height and temperature telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,370 ft^3/s, Sept. 16, 1999, gage height, 13.22 ft; minimum discharge, 20 ft^3/s, Dec. 31, 1998 (result of freezeup); minimum gage height, 4.33 ft, Oct. 2, 3, 1995, Dec. 31, 1998 (result of freezeup).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,800 ft^3/s, June 7, gage height, 10.28 ft; minimum discharge, 79 ft^3/s, July 14, Sept. 23, 24, 25, 29, 30; minimum gage height, 4.62 ft, July 14.

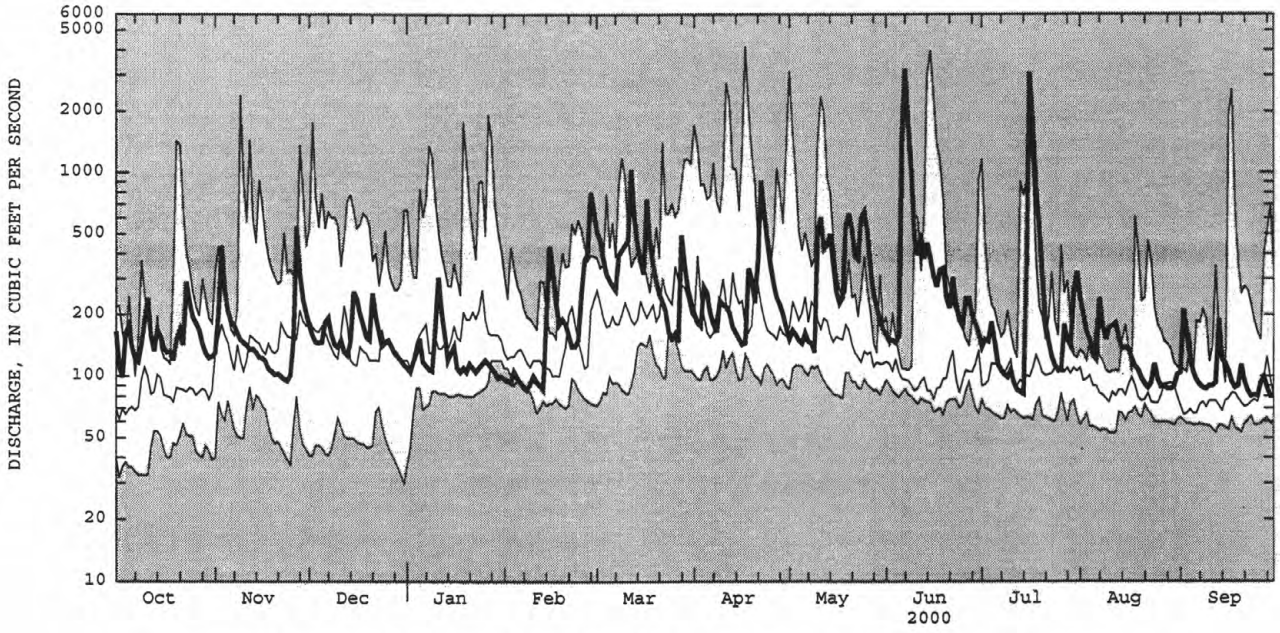
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	130	177	110	e97	510	203	153	159	139	241	104
2	112	202	158	105	e95	469	183	168	149	151	200	212
3	99	438	147	118	e93	377	176	160	150	148	166	164
4	162	262	146	131	e105	318	274	150	146	183	151	120
5	176	209	147	153	e98	295	257	145	156	149	127	105
6	138	185	183	118	e93	278	204	162	1410	115	121	96
7	122	177	193	113	e89	265	181	148	3220	107	242	91
8	118	162	160	108	e86	392	165	145	1690	102	177	88
9	143	151	143	106	e92	416	235	131	1000	99	151	87
10	189	146	139	172	e100	440	225	505	469	107	173	90
11	241	142	150	304	e94	466	219	602	394	93	177	90
12	157	135	132	205	e90	1030	205	421	502	86	182	93
13	133	136	127	e160	e86	606	175	441	378	84	153	191
14	169	131	148	e120	e200	444	163	497	450	82	137	121
15	156	124	260	e130	434	365	153	355	374	360	139	116
16	138	123	240	e140	329	318	143	260	309	3110	136	106
17	131	119	203	e110	e230	742	146	228	274	1740	122	94
18	132	109	179	e105	e180	468	337	243	331	851	112	88
19	120	106	156	e110	e190	357	297	550	338	536	107	90
20	152	102	151	e105	e180	293	230	628	242	309	98	114
21	168	103	255	e115	e160	253	371	525	216	180	92	94
22	142	100	197	e110	e140	232	909	388	304	148	88	85
23	290	97	165	e105	e140	209	647	375	225	125	93	80
24	233	95	141	e110	e150	165	464	596	189	113	115	81
25	195	101	146	e115	e250	154	352	640	176	108	97	80
26	182	150	e150	e120	e370	162	284	508	240	107	89	93
27	168	546	e140	e115	e400	147	243	333	241	179	90	99
28	144	321	e130	e110	e800	493	225	253	198	151	87	88
29	130	239	e125	e105	651	350	201	218	181	141	87	80
30	123	204	e120	e98	---	269	173	189	162	259	89	80
31	125	---	114	e100	---	231	---	169	---	326	102	---
TOTAL	4853	5245	5022	3926	6022	11514	8040	10286	14273	10388	4141	3120
MEAN	157	175	162	127	208	371	268	332	476	335	134	104
MAX	290	546	260	304	800	1030	909	640	3220	3110	242	212
MIN	99	95	114	98	86	147	143	131	146	82	87	80
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)												
MEAN	124	197	201	234	170	292	386	247	218	167	103	124
MAX	258	320	523	394	262	371	1022	446	586	335	168	296
(WY)	1997	1996	1997	1996	1996	2000	1993	1998	1998	2000	1994	1999
MIN	53.5	59.9	47.4	110	90.2	231	120	120	88.9	86.5	79.0	61.9
(WY)	1998	1999	1999	1994	1993	1996	1999	1995	1999	1997	1993	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	62554		86830			
ANNUAL MEAN	171		237		205	
HIGHEST ANNUAL MEAN					253	1996
LOWEST ANNUAL MEAN					141	1995
HIGHEST DAILY MEAN	2560	Sep 17	3220	Jun 7	4170	Apr 17 1993
LOWEST DAILY MEAN	37	Jan 1	80	Sep 23	30	Dec 31 1998
ANNUAL SEVEN-DAY MINIMUM	54	Aug 6	86	Sep 23	34	Oct 5 1997
10 PERCENT EXCEEDS	265		440		377	
50 PERCENT EXCEEDS	130		156		130	
90 PERCENT EXCEEDS	70		94		69	

e Estimated

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY--Continued



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

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1992 to current year.
INSTRUMENTATION.--Water-temperature satellite telemeter provides 15-minute-interval readings. Prior to May 1993, satellite telemeter provided one-hour-interval readings.
REMARKS.--Interruptions of record were 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, 24.0°C, Aug. 9; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.5	11.5	13.5	12.0	9.0	10.5	2.0	.0	1.0	1.0	.0	.0
2	15.5	11.0	13.5	12.0	9.0	10.0	---	.0	---	1.5	.0	.5
3	15.0	12.5	13.5	12.0	8.0	10.5	3.0	---	---	2.0	1.0	1.5
4	13.5	11.5	12.5	8.0	6.0	7.0	5.0	3.0	4.0	5.5	1.5	3.5
5	11.5	10.5	11.0	8.0	5.0	6.5	7.0	4.5	5.5	5.0	.5	3.0
6	11.5	8.5	10.0	9.0	6.5	7.5	6.5	5.0	6.0	1.5	.0	.5
7	11.0	7.5	9.0	7.5	5.0	6.5	6.5	4.0	5.5	1.5	.0	.5
8	10.5	7.0	8.5	5.5	4.0	4.5	4.5	2.5	3.5	1.0	.0	.0
9	13.0	10.0	11.0	7.5	4.5	6.0	4.0	2.0	2.5	2.0	.0	1.0
10	12.5	12.0	12.0	9.5	6.0	8.0	3.5	2.0	2.5	2.0	1.0	1.5
11	14.5	12.0	13.0	9.5	6.0	8.5	3.5	1.5	2.5	2.5	1.5	2.0
12	13.0	10.0	11.5	6.0	4.5	5.0	2.0	.5	1.5	2.5	1.5	1.5
13	12.5	9.5	11.0	7.0	5.5	6.0	2.5	.5	1.5	1.5	.0	.5
14	12.5	9.5	11.5	6.5	5.0	6.0	2.5	2.5	2.5	.0	.0	.0
15	11.0	8.0	9.5	5.5	4.0	5.0	4.0	2.5	3.0	.0	.0	.0
16	11.0	8.5	9.5	4.0	2.0	3.0	4.5	3.0	4.0	.0	.0	.0
17	12.5	9.5	11.0	3.5	1.0	2.0	3.0	1.5	2.5	.0	.0	.0
18	13.5	10.5	12.0	3.5	.5	2.0	2.0	1.0	1.5	.0	.0	.0
19	11.0	8.0	9.5	5.5	2.5	4.0	1.5	.0	1.0	.0	.0	.0
20	10.0	9.0	9.0	6.0	3.0	4.5	2.0	.0	1.0	.0	.0	.0
21	10.5	8.0	9.0	7.5	5.0	6.0	2.5	1.5	2.0	.0	.0	.0
22	9.0	7.0	8.0	8.5	6.0	7.0	2.5	.5	2.0	.0	.0	.0
23	9.5	8.5	9.0	10.0	8.0	9.0	.5	.0	.5	.0	.0	.0
24	9.0	7.5	8.0	12.0	9.0	10.5	.5	.0	.0	.0	.0	.0
25	10.0	7.0	8.0	10.5	8.5	9.5	.0	.0	.0	.0	.0	.0
26	9.5	6.5	8.0	9.5	8.0	8.5	.0	.0	.0	.0	.0	.0
27	8.5	7.0	7.5	9.5	8.0	9.5	.0	.0	.0	.0	.0	.0
28	8.5	6.0	7.0	8.0	5.5	6.5	.0	.0	.0	.0	.0	.0
29	9.5	5.5	7.5	5.5	4.0	5.0	.0	.0	.0	.0	.0	.0
30	10.5	7.0	9.0	4.0	2.0	3.0	.5	.0	.0	.0	.0	.0
31	11.5	8.0	10.0	---	---	---	.5	.0	.0	.0	.0	.0
MONTH	15.5	5.5	10.0	12.0	.5	6.5	---	---	---	5.5	.0	.5

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	2.5	.5	2.0	10.0	4.5	7.0	13.5	8.5	11.0
2	.0	.0	.0	3.0	1.5	2.0	9.0	6.5	8.0	15.0	11.5	12.5
3	.0	.0	.0	3.0	1.0	1.5	11.0	8.5	9.5	16.5	9.0	12.5
4	.0	.0	.0	3.5	.5	2.0	11.0	9.5	10.5	17.0	11.0	14.0
5	.0	.0	.0	4.0	1.5	2.5	9.5	6.0	7.5	19.0	13.5	16.5
6	.0	.0	.0	5.5	2.0	3.5	8.5	4.5	6.5	21.0	15.0	18.0
7	.0	.0	.0	6.0	2.0	4.0	9.5	.0	8.0	21.5	16.0	18.5
8	.0	.0	.0	6.5	3.5	5.0	14.5	8.0	11.0	23.0	17.0	20.0
9	.0	.0	.0	6.5	4.0	5.5	12.0	5.0	7.5	23.5	17.5	20.5
10	.0	.0	.0	6.5	5.0	5.5	7.0	3.5	5.0	20.5	13.0	16.5
11	.0	.0	.0	5.0	3.0	4.0	5.5	4.5	5.0	16.5	12.5	14.0
12	.0	.0	.0	3.0	2.0	3.0	8.5	4.5	6.0	15.5	13.0	14.0
13	.0	.0	.0	3.5	1.0	2.5	10.0	4.0	7.0	16.0	12.5	14.0
14	.0	.0	.0	5.0	2.0	3.5	11.5	5.5	8.5	17.0	13.0	15.0
15	.0	.0	.0	7.0	3.5	5.0	12.5	7.5	10.0	15.0	12.5	13.5
16	.0	.0	.0	7.0	5.0	6.0	15.0	11.0	13.0	15.5	10.0	12.5
17	.0	.0	.0	6.5	2.5	4.5	13.0	8.0	10.0	17.0	12.0	14.5
18	.0	.0	.0	4.0	.5	2.5	8.0	6.0	6.5	16.5	13.5	14.5
19	.0	.0	.0	5.5	1.5	3.5	9.5	6.0	7.5	14.5	10.5	12.5
20	.0	.0	.0	6.0	2.5	4.5	11.0	8.5	10.0	10.5	9.5	10.0
21	.5	.0	.0	5.0	4.5	5.0	10.0	7.0	9.0	10.5	9.5	10.0
22	.5	.0	.0	8.0	4.0	6.0	8.0	6.5	7.0	11.0	10.5	10.5
23	1.0	.0	.0	10.5	5.0	7.5	7.5	7.0	7.5	12.0	10.5	11.0
24	1.0	.0	.5	11.5	6.0	8.5	12.0	6.5	9.0	14.5	11.5	13.0
25	.0	.0	.0	10.5	7.0	9.0	12.5	8.5	10.5	15.5	12.5	14.0
26	.5	.0	.0	12.0	8.0	9.5	10.5	8.5	9.5	16.0	12.5	14.0
27	1.0	.0	.5	10.0	6.0	8.0	9.5	7.5	8.5	16.0	12.5	14.5
28	.5	.0	.5	8.5	7.5	8.0	11.0	8.0	9.5	15.5	12.0	14.0
29	1.5	.0	1.0	7.5	5.5	6.5	13.0	7.5	10.0	16.0	13.0	14.0
30	---	---	---	7.0	5.5	6.0	15.0	9.5	11.5	17.5	12.0	14.5
31	---	---	---	8.0	4.0	6.0	---	---	---	18.5	12.5	15.5
MONTH	1.5	.0	.0	12.0	.5	5.0	15.0	.0	8.5	23.5	8.5	14.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.5	14.5	17.0	22.0	16.0	19.0	18.5	17.5	18.0	20.0	18.0	19.0
2	21.5	15.5	18.5	22.5	17.0	19.5	21.5	17.5	19.5	21.0	17.5	19.0
3	21.0	16.0	18.5	20.5	17.5	19.0	22.0	19.5	20.5	21.5	18.5	20.0
4	18.5	14.5	16.5	20.5	16.5	18.5	22.5	18.5	20.5	20.5	18.5	19.5
5	16.0	13.0	14.0	23.0	17.0	20.0	21.5	17.5	19.5	19.5	15.0	17.0
6	13.0	11.0	12.0	21.0	16.0	18.5	19.5	17.0	17.5	18.5	13.0	15.5
7	16.0	10.5	13.5	21.5	16.0	18.5	20.5	17.0	18.5	18.5	13.0	15.5
8	16.5	13.5	15.0	21.0	15.5	18.0	23.0	18.5	20.5	18.0	13.0	15.5
9	18.5	14.5	16.5	20.5	16.0	18.0	24.0	20.0	22.0	18.0	15.5	17.0
10	21.0	15.5	18.0	22.5	17.5	20.0	23.0	19.2	21.0	18.5	16.5	17.5
11	21.5	18.0	19.5	23.0	17.0	19.5	20.5	18.0	19.0	19.0	16.0	17.5
12	19.0	15.5	17.5	23.0	16.5	20.0	18.5	17.0	17.5	18.0	17.0	17.5
13	15.5	13.0	14.5	22.0	17.5	19.5	18.0	16.0	17.0	19.0	16.0	17.0
14	13.0	12.5	12.5	21.5	18.0	19.5	18.5	16.5	17.5	19.5	14.5	17.0
15	14.5	12.5	13.5	19.5	15.5	17.5	20.5	16.5	18.5	18.5	16.0	17.0
16	19.5	14.0	16.5	20.5	15.0	19.5	22.0	17.5	19.5	16.0	13.5	14.5
17	21.0	17.0	19.0	21.5	19.0	20.0	21.0	17.0	18.5	16.0	11.0	13.5
18	18.5	15.0	16.5	22.5	19.5	21.0	18.0	15.5	16.5	16.5	12.0	14.5
19	18.0	14.5	15.5	21.0	18.0	19.0	18.0	14.0	16.0	15.5	14.0	15.0
20	20.5	14.0	17.0	21.5	17.5	19.0	19.5	14.0	16.5	19.5	14.5	16.5
21	18.5	16.5	17.5	20.0	17.0	18.5	19.5	13.5	16.5	19.5	16.0	17.0
22	20.0	16.0	18.0	20.5	17.0	18.5	20.5	14.5	17.5	17.5	13.5	15.5
23	21.0	17.0	18.5	20.5	15.5	18.0	18.0	16.0	16.5	14.5	12.5	13.5
24	21.0	16.0	18.5	19.0	16.0	18.0	20.5	15.5	17.5	14.5	13.0	13.5
25	23.0	17.5	20.0	21.0	16.5	18.5	21.0	15.5	18.0	13.5	11.0	12.5
26	21.5	19.5	20.5	19.0	17.0	17.5	21.0	16.0	18.5	12.0	10.5	11.0
27	20.0	18.0	19.0	18.0	16.5	17.0	20.0	17.0	18.5	14.0	9.0	11.5
28	20.5	16.5	18.5	21.0	16.5	18.5	20.5	16.5	18.5	14.0	10.5	12.0
29	21.0	17.5	19.5	19.5	18.5	19.0	21.0	18.0	19.0	13.5	9.0	11.0
30	21.5	16.5	19.0	18.5	17.0	17.5	20.0	17.5	18.5	13.0	8.5	10.5
31	---	---	---	18.5	17.0	17.5	20.5	17.5	19.0	---	---	---
MONTH	23.0	10.5	17.0	23.0	15.0	19.0	24.0	13.5	18.5	21.5	8.5	15.5

01437500 NEVERSINK RIVER AT GODEFFROY, NY

LOCATION.--Lat 41°26'28", long 74°36'08", Orange County, Hydrologic Unit 02040104, on right bank just upstream from highway bridge on Graham Road, 0.5 mi downstream from Basher Kill, 0.8 mi southeast of Godeffroy, 1.7 mi south of Cuddebackville, and 8.5 mi upstream from mouth.
DRAINAGE AREA.--307 mi^2.
PERIOD OF RECORD.--July 1937 to current year. Gage heights and discharge measurements, August to October 1903 and August 1909 to April 1914, and twice-daily figures of discharge for January 1911 to December 1912 (which do not represent daily mean discharges because of diurnal fluctuation) are published in WSP 97, 261, 321, 351, and 381. August to October 1903, published as "Navesink River at Godeffroy, NY."
REVISED RECORDS.--WSP 1502: 1951(M). WDR NY-82-1: Drainage area. WDR NY-87-1: 1986.
GAGE.--Water-stage recorder. Datum of gage is 459.66 ft above 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 mi^2 of drainage area controlled by Neversink Reservoir (see Reservoirs in Delaware River Basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill), impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to regulation, 24,500 ft^3/s, Nov. 26, 1950, gage height, 11.79 ft; maximum discharge since regulation, 33,000 ft^3/s, Aug. 19, 1955, gage height, 12.49 ft, from rating curve extended above 11,000 ft^3/s, on basis of slope-area measurement of peak flow; minimum discharge observed, no flow July 21, 22, 28, 1911, result of regulation.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,120 ft^3/s, June 7, gage height, 7.33 ft; minimum, 165 ft^3/s, July 14, 15, gage height, 3.39 ft.

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	373	316	374	e270	e220	1390	504	543	517	275	456	227
2	305	350	347	e250	e210	1260	462	533	484	264	407	284
3	277	670	336	e270	e200	1070	440	508	481	257	446	357
4	331	512	332	313	e210	907	519	477	447	277	516	271
5	406	440	328	342	e230	818	568	453	441	257	418	247
6	353	410	350	e280	e210	748	473	449	1630	228	374	231
7	324	398	399	e270	e200	691	436	430	4690	209	720	218
8	307	380	360	e260	e190	819	405	432	3000	201	586	222
9	315	361	338	e250	e200	882	466	407	1970	196	463	224
10	371	350	323	315	e210	917	478	664	1270	194	465	216
11	462	344	334	568	e200	873	470	1110	892	191	446	212
12	382	328	324	448	e190	1920	453	765	1130	175	623	210
13	348	322	313	e380	e180	1410	422	861	880	171	641	326
14	356	316	327	e290	e200	1070	397	922	940	168	575	315
15	368	307	476	e310	e350	889	382	781	847	386	545	293
16	338	297	500	e330	418	765	368	650	721	3260	511	279
17	326	291	453	e270	375	1470	352	588	611	2350	461	257
18	318	282	423	e240	349	1210	546	566	599	1230	409	238
19	306	273	396	e260	e320	940	587	912	684	781	378	238
20	316	270	375	e260	e310	804	485	1210	512	519	344	303
21	366	270	526	e250	e300	702	618	1150	440	379	315	281
22	334	269	493	e240	e290	632	1870	967	559	308	297	258
23	472	264	442	e240	e300	564	1620	909	467	279	280	238
24	470	258	404	e240	e320	499	1340	1130	394	256	297	237
25	409	253	e370	e260	e450	451	1090	1310	359	243	275	243
26	386	292	349	e260	e600	434	936	1170	374	234	256	250
27	372	721	e330	e260	e620	405	819	895	405	583	245	279
28	349	577	e310	e240	e1600	891	744	749	370	461	239	258
29	331	451	e300	e230	1690	836	676	662	332	378	235	236
30	324	407	e290	e220	---	644	611	609	306	402	228	224
31	317	---	e270	e220	---	567	---	553	---	570	227	---
TOTAL	11012	10979	11492	8836	11142	27478	19537	23365	26752	15682	12678	7672
MEAN	355	366	371	285	384	886	651	754	892	506	409	256
MAX	472	721	526	568	1690	1920	1870	1310	4690	3260	720	357
MIN	277	253	270	220	180	405	352	407	306	168	227	210

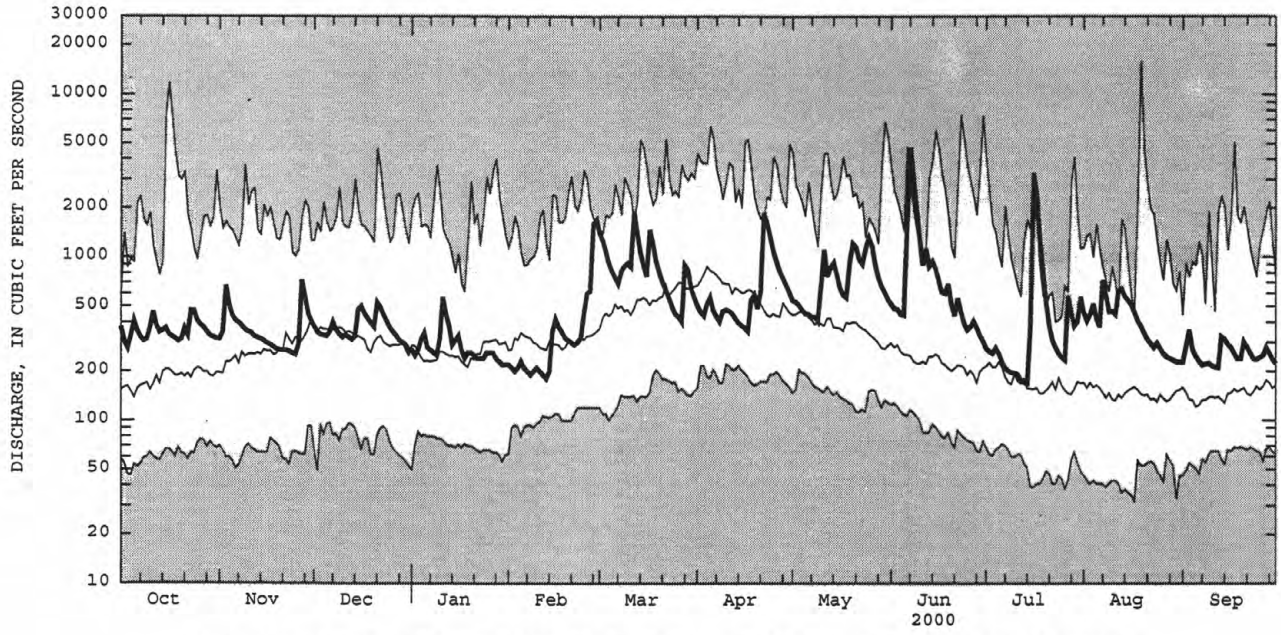
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)

MEAN	297	380	437	377	415	691	829	548	387	241	225	222
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1954 - 2000	
ANNUAL TOTAL	134056		186625			
ANNUAL MEAN	367		510		421	
HIGHEST ANNUAL MEAN					704	1956
LOWEST ANNUAL MEAN					215	1965
HIGHEST DAILY MEAN	5100	Sep 17	4690	Jun 7	15900	Aug 19 1955
LOWEST DAILY MEAN	50	Jan 1	168	Jul 14	32	Aug 17 1965
ANNUAL SEVEN-DAY MINIMUM	70	Aug 6	185	Jul 8	38	Aug 11 1965
10 PERCENT EXCEEDS	614		910		873	
50 PERCENT EXCEEDS	311		374		274	
90 PERCENT EXCEEDS	110		231		107	

e Estimated

01437500 NEVERSINK RIVER AT GODEFFROY, NY--Continued



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

01438500 DELAWARE RIVER AT MONTAGUE, NJ

LOCATION.--Lat 41°18'33", long 74°47'44", Pike County, PA, Hydrologic Unit 02040104, on right bank 1,500 ft upstream from toll bridge (on U.S. Route 206) between Montague, NJ and Milford, PA, 0.8 mi downstream from Sawkill Creek, and at river mile 246.3.

DRAINAGE AREA.--3,480 mi^2.

PERIOD OF RECORD.--March 1936 to September 1939 (gage heights only, published as "at Milford, PA"). October 1939 to current year. Monthly discharge only for some periods, published in WSP 1302.

REVISED RECORDS.--WDR-NJ-81-2: 1980.

GAGE.--Water-stage recorder. Datum of gage is 369.93 ft above 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 telemeter at station.

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	3310	2050	5650	3430	e3400	19600	8870	7170	7130	4820	4110	2190
2	3750	2760	4830	2680	e3400	16000	7610	6700	6480	4030	4290	2380
3	2640	3880	4310	2790	e3500	14600	7220	6040	5660	3440	4040	2690
4	2590	5170	4000	3400	e3100	12600	8570	5580	4400	3470	4200	2740
5	3870	4660	3950	3890	e3200	11200	15800	5170	4250	3650	3560	2160
6	4350	3920	3790	3900	e2800	10400	14000	4620	7950	3260	2620	2330
7	3590	3160	3990	3420	e3000	9670	12200	3840	24900	2730	3290	2170
8	3190	2920	3850	3070	e3800	9600	10000	3990	20600	2560	4510	2150
9	3000	2740	3390	2620	e3700	11100	10900	4480	15300	2010	3820	2050
10	2880	2560	3160	2900	e3300	13500	12700	4240	12200	1900	3850	2120
11	3660	2460	3040	5500	3090	14800	11900	7800	10100	2250	3450	1940
12	4550	2380	2940	6450	3440	25000	11000	8270	10800	2130	5450	2370
13	3970	2360	2810	5320	2740	27500	10100	10500	11800	2060	10300	2760
14	3710	2180	2810	4770	3000	19800	9280	12100	12900	1860	6260	6240
15	4070	2230	4250	e4200	4790	16000	8410	12300	13300	2260	5140	4950
16	4030	2080	5700	e3300	e7800	13600	7630	10300	11800	5540	4780	4260
17	3190	1940	6050	e3100	8360	16200	7630	9160	10300	8650	4150	3490
18	2850	1880	5080	e3300	7040	17900	10700	8440	9280	6870	3630	2860
19	3030	1800	4470	e3100	6480	14800	16000	9940	9920	4920	3190	3140
20	2970	1750	4010	e3300	5630	12600	13900	15000	9340	3700	2450	3260
21	3100	1800	4990	e3200	5300	11000	12000	14600	8010	3190	2230	3460
22	3170	1770	5490	e3400	4830	9990	17300	13000	8220	2930	2600	2880
23	3420	1750	5110	e2900	4920	9050	18000	14700	8580	2690	2520	2640
24	2940	1750	4500	e2900	5280	8000	17600	18800	7220	2480	2920	1890
25	3180	1770	3620	e3700	6930	6800	15800	27800	5990	2560	3070	1920
26	3270	1940	3910	e3300	11000	5990	13700	22500	5540	2450	2930	2470
27	3060	7130	3710	e3400	17400	6020	12100	17200	7050	4210	2100	2730
28	3100	12900	3730	e3600	28700	8620	11000	13600	6610	4460	1980	2800
29	2810	8910	3530	e3500	30200	13100	9320	11400	5540	3280	2140	2830
30	2690	6780	3320	e2700	---	11700	7870	10000	5430	3010	2090	2660
31	2050	---	3340	e2700	---	10400	---	8440	---	3660	2360	---
TOTAL	101990	101380	127330	109740	200130	407140	349110	327680	286600	107030	114030	84530
MEAN	3290	3379	4107	3540	6901	13130	11640	10570	9553	3453	3678	2818
MAX	4550	12900	6050	6450	30200	27500	18000	27800	24900	8650	10300	6240
MIN	2050	1750	2810	2620	2740	5990	7220	3840	4250	1860	1980	1890

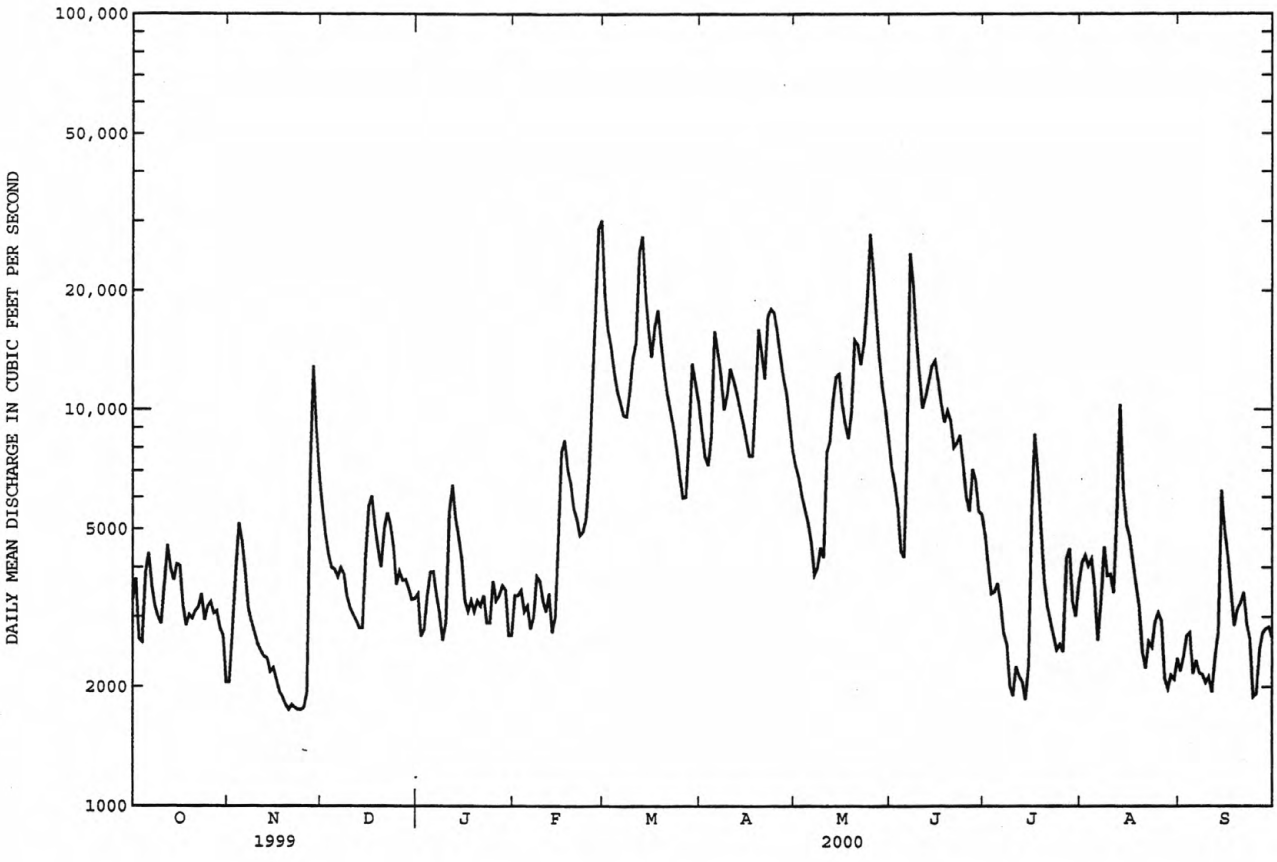
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	3311	5084	6144	5876	5991	10010	11870	7434	4441	3074	2602	2660
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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	1451460		2316690			
ANNUAL MEAN	3977		6330		5702	
HIGHEST ANNUAL MEAN					8621	1952
LOWEST ANNUAL MEAN					2309	1965
HIGHEST DAILY MEAN	42000	Jan 25	30200	Feb 29	187000	Aug 19 1955
LOWEST DAILY MEAN	1100	Jan 2	1750	Nov 20	412	Aug 23 1954
ANNUAL SEVEN-DAY MINIMUM	1360	Jan 1	1770	Nov 19	565	Jul 1 1965
INSTANTANEOUS PEAK FLOW			40000	Feb 28	250000a	Aug 19 1955
INSTANTANEOUS PEAK STAGE			14.33	Feb 28	35.15	Aug 19 1955
INSTANTANEOUS LOW FLOW			1630	Nov 25	382	Aug 24 1954
10 PERCENT EXCEEDS	6970		13400		12100	
50 PERCENT EXCEEDS	3030		4030		3440	
90 PERCENT EXCEEDS	1750		2310		1600	

a From rating curve extended above 90,000 ft^3/s on basis of flood-routing study.
e Estimated

01438500 DELAWARE RIVER AT MONTAGUE, NJ--Continued



RESERVOIRS IN DELAWARE RIVER BASIN

01416900 PEPACTON RESERVOIR.--Lat 42°04'38", long 74°58'04", Delaware County, Hydrologic Unit 02040102, near release chamber at Downsville Dam on East Branch Delaware River, and 1.6 mi east of Downsville. **DRAINAGE AREA**, 372 mi^2. **PERIOD OF RECORD**, September 1954 to current year. **REVISED RECORDS**, WDR NY-90-1: Drainage area. **GAGE**, water-stage recorder. Datum of gage is 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, 151,392 mil gal, June 8, elevation, 1,280.86 ft; minimum observed, 102,422 mil gal, Feb. 25, elevation, 1,251.54 ft.

01424997 CANNONSVILLE RESERVOIR.--Lat 42°03'46", long 75°22'29", Delaware County, Hydrologic Unit 02040101, in emergency gate tower at Cannonsville Dam on West Branch Delaware River, and 1.8 mi southeast of Stilesville. **DRAINAGE AREA**, 454 mi^2. **PERIOD OF RECORD**, October 1963 to current year. **REVISED RECORDS**, WDR NY-71-1: 1966. **GAGE**, water-stage recorder. Datum of gage is 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, 103,285 mil gal, Apr. 5, elevation, 1,152.90 ft; minimum observed, 44,119 mil gal, Oct. 1, elevation, 1,107.84 ft.

01433000 SWINGING BRIDGE RESERVOIR.--Lat 41°34'21", long 74°47'00", Sullivan County, Hydrologic Unit 02040104, at dam on Mongaup River, and 1.8 mi northwest of Fowlersville. **DRAINAGE AREA**, 116 mi^2, excluding Cliff Lake, Lebanon Lake, and Toronto Reservoir. **PERIOD OF RECORD**, January 1930 to current year. **REVISED RECORDS**, WSP 1552: 1951-54. WDR NY-86-1: 1985. WDR NY-90-1: Drainage area. **GAGE**, nonrecording gage, daily readings at 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 ft^3 between elevations 1,010.0 ft, minimum operating pool, and 1,071.2 ft, top of flashboards. Capacity below elevation 1,010.0 ft, minimum operating pool, about 212.7 mil ft^3. Reservoir is used for storage of water for power. Figures given herein represent contents above 1,010.0 ft. Water is received from Cliff Lake, Lebanon Lake, and Toronto Reservoir. Records provided by Mirant New York, Inc.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 1,461.6 mil ft^3, Mar. 14, 1977, elevation, 1,071.8 ft; minimum observed (after first filling), -141.4 mil ft^3, Dec. 2, 1938, elevation, 987.5 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 1,383.3 mil ft^3, Mar. 3, elevation, 1,069.9 ft; minimum observed, 693.3 mil ft^3, Oct. 1, elevation, 1,050.0 ft.

01433100 TORONTO RESERVOIR.--Lat 41°37'15", long 74°49'55", Sullivan County, Hydrologic Unit 02040104, at dam on Black Lake Creek, and 2.5 mi southeast of village of Black Lake. **DRAINAGE AREA**, 22.9 mi^2. **PERIOD OF RECORD**, January 1926 to current year. **REVISED RECORDS**, WSP 1552: 1951-54. WSP 1702: 1959 (M). WDR NY-85-1: 1984. WDR NY-86-1: 1985. WDR NY-90-1: Drainage area. **GAGE**, nonrecording gage, daily readings at 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 ft^3 between elevations 1,165.0 ft, minimum operating pool, and 1,220.0 ft, top of permanent flashboards. Capacity below elevation 1,165.0 ft, minimum operating pool, about 26.8 mil ft^3. Reservoir is used for storage of water for power. Figures given herein represent contents above 1,165.0 ft. Records provided by Mirant New York, Inc.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 1,171.2 mil ft^3, July 20, 1945, elevation, 1,222.0 ft; minimum observed (after first filling), -26.8 mil ft^3, Nov. 15, 1928, elevation, 1,144.5 ft.

EXTREMES OF CURRENT YEAR.--Maximum contents observed, 961.4 mil ft^3, Aug. 4, elevation, 1,216.0 ft; minimum observed, 28.4 mil ft^3, Oct. 1, elevation, 1,170.6 ft.

01433200 CLIFF LAKE.--Lat 41°35'00", long 74°47'40", Sullivan County Hydrologic Unit 02040104, at dam on Black Lake Creek, and 2.5 mi northwest of Fowlersville. **DRAINAGE AREA**, 6.46 mi^2, excluding area above Toronto Reservoir. **PERIOD OF RECORD**, January 1939 to current year. **REVISED RECORDS**, WSP 1552: 1951-54. WDR NY-75-1: 1974(m). WDR NY-86-1: 1985. **GAGE**, nonrecording gage, daily readings at 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 ft^3 between elevations 1,043.3 ft, minimum operating pool, and 1,072.0 ft, top of permanent flashboards. Capacity below elevation 1,043.3 ft, minimum operating pool, about 6.54 mil ft^3. Reservoir is used for storage of water for power. Water is received from Toronto and Lebanon Lake reservoirs and is discharged through a tunnel into Swinging Bridge Reservoir. Figures given herein represent contents above 1,043.3 ft. Records provided by Mirant New York, Inc.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 145.44 mil ft^3, July 30, 31, 1945, elevation, 1,073.1 ft; minimum observed (after first filling), about -6.54 mil ft^3, Mar. 16, 1963, elevation, 1,038.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 131.08 mil ft^3, Aug. 14, elevation, 1,071.4 ft; minimum observed, 47.92 mil ft^3, Oct. 1,4,8, elevation, 1,058.8 ft.

RESERVOIRS IN DELAWARE RIVER BASIN--Continued

01435900 NEVERSINK RESERVOIR.--Lat 41°49'27", long 74°38'20", Sullivan County, Hydrologic Unit 02040104, at a gatehouse at Neversink Dam on Neversink River, and 2 mi southwest of Neversink. **DRAINAGE AREA**, 92.5 mi^2. **PERIOD OF RECORD**, June 1953 to current year. **REVISED RECORDS**, WDR NY-85-1: Drainage area. **GAGE**, nonrecording gage read daily at 0900. Datum of gage is 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, 37,634 mil gal, July 16, elevation, 1,440.98 ft; minimum observed, 13,360 mil gal, Oct. 21, elevation, 1,377.57 ft.

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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	1,257.73	111,867		1,107.84	44,119		1,058.8	969.1	
Oct. 31	1,257.71	111,836	- 1.55	1,116.09	53,221	+ 454	1,060.3	1,020.8	+19.3
Nov. 30	1,256.69	110,245	- 82.1	1,124.60	63,400	+ 525	1,061.9	1,077.3	+21.8
Dec. 31	1,256.26	109,579	- 33.2	1,131.84	72,693	+ 464	1,065.2	1,198.9	+45.4
CAL YR 1999	-	-	+ 117	-	-	+ 223	-	-	+13.2
Jan. 31	1,253.18	104,876	- 235	1,137.07	79,739	+ 352	1,064.6	1,176.3	- 8.5
Feb. 29	1,259.81	115,151	+ 548	1,150.73	99,793	+1,070	1,064.9	1,187.6	+ 4.5
Mar. 31	1,273.94	138,862	+1,183	1,151.69	101,338	+ 77.1	1,068.6	1,331.0	+53.5
Apr. 30	1,280.28	150,317	+ 591	1,151.24	100,613	- 37.4	1,068.1	1,311.1	- 7.7
May 31	1,280.33	150,410	+ 4.64	1,151.17	100,501	- 5.60	1,066.5	1,248.6	-23.3
June 30	1,279.92	149,652	- 39.1	1,150.30	99,101	- 72.2	1,066.9	1,264.0	+ 5.9
July 31	1,279.08	148,107	- 77.1	1,148.44	96,245	- 143	1,068.1	1,311.1	+17.6
Aug. 31	1,277.87	145,899	- 110	1,144.96	90,954	- 264	1,065.7	1,217.9	-34.8
Sept. 30	1,272.41	136,177	- 501	1,139.66	83,317	- 394	1,064.2	1,161.4	-21.8
WTR YR 2000	-	-	+ 103	-	-	+ 166	-	-	+ 6.1

Date	Elevation (feet) †	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)	Elevation (feet) †	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)	Elevation (feet) ††	Contents (million gallons)	Change in contents (equivalent in ft^3/s)
	01433100 Toronto Reservoir			01433200 Cliff Lake			01435900 Neversink Reservoir		
Sept. 30	1,170.6	28.4		1,058.8	47.92		1,384.80	15,417	
Oct. 31	1,172.4	42.8	+ 5.4	1,060.3	55.58	+ 2.9	1,383.00	14,886	- 26.5
Nov. 30	1,173.6	54.1	+ 4.4	1,061.3	61.07	+ 2.1	1,393.61	18,173	+170
Dec. 31	1,178.6	113.5	+22.2	1,065.2	84.98	+ 8.9	1,393.58	18,163	- 0.50
CAL YR 1999	-	-	+ 1.6	-	-	+ 1.9	-	-	+ 27.4
Jan. 31	1,181.0	148.0	+12.9	1,064.4	79.82	- 1.9	1,391.27	17,415	- 37.3
Feb. 29	1,186.2	231.4	+33.3	1,064.3	79.18	- 0.3	1,401.67	20,934	+188
Mar. 31	1,198.6	482.4	+93.7	1,068.6	108.86	+11.1	1,426.35	30,766	+491
Apr. 30	1,203.5	605.2	+47.4	1,068.7	109.61	+ 0.3	1,436.00	35,200	+229
May 31	1,209.7	772.4	+62.4	1,067.5	100.76	- 3.3	1,439.44	36,870	+ 83.4
June 30	1,214.9	926.1	+59.3	1,066.9	96.47	- 1.7	1,439.43	36,865	- 0.26
July 31	1,215.7	951.7	+ 9.5	1,067.7	102.20	+ 2.1	1,439.64	36,969	+ 5.19
Aug. 31	1,212.2	844.2	-40.1	1,066.7	95.09	- 2.7	1,431.42	33,050	-196
Sept. 30	1,205.8	665.8	-68.8	1,065.1	84.32	- 4.2	1,432.29	33,453	+ 20.8
WTR YR 2000	-	-	+20.2	-	-	+ 1.2	-	-	+ 76.2

†† Elevation at daily reading on first day of following month.
† Elevation at 0900 hours.

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 1999 TO SEPTEMBER 2000

Month	01415200 Pepacton Reservoir	01423900 Cannonsville Reservoir	01435800 Neversink Reservoir
October.....	607	7.7	246
November.....	766	140	81.6
December.....	614	270	180
CAL YR 1999	501	198	165
January.....	650	251	155
February.....	556	474	0.5
March.....	570	158	21.3
April.....	695	47.9	141
May.....	453	244	197
June.....	359	205	265
July.....	300	224	141
August.....	305	292	304
September.....	654	360	137
WTR YR 2000	543	222	157

04250200 SALMON RIVER AT PINEVILLE, NY

LOCATION.--Lat 43°32'00", long 76°02'20", Oswego County, Hydrologic Unit 04140102, on right bank 30 ft downstream from County Highway 48 in Pineville, 0.8 mi upstream from Trout Brook, and 2.3 mi northwest of Altmar.
DRAINAGE AREA.--238 mi^2.
PERIOD OF RECORD.--November 1992 to current year.
GAGE.--Water-stage recorder. Datum of gage is 477.54 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Seasonal regulation of flow by Salmon River Reservoir at Redfield. Extensive diurnal fluctuation caused by powerplants at Bennett Bridge and Lighthouse Hill 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 ft^3/s, Jan. 8, 1998, gage height, 12.62 ft; minimum discharge not determined.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 24,800 ft^3/s, Dec. 29, 1984, gage height, 16.36 ft, on basis of contracted-opening measurement of peak flow.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,110 ft^3/s, Apr. 5, gage height, 10.32 ft; minimum, 119 ft^3/s, Aug. 11, gage height, 5.07 ft.

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	398	461	1840	372	364	2160	1530	370	448	214	203	375
2	367	429	1790	369	364	2130	1530	447	453	211	222	719
3	351	457	909	401	362	2080	1560	417	264	216	218	731
4	363	468	857	1010	362	1450	1930	398	231	208	386	377
5	360	462	862	2460	360	1420	5120	398	224	198	728	377
6	356	459	872	2140	360	1410	3140	388	251	194	753	374
7	399	452	878	1590	357	1400	3020	378	247	374	297	372
8	396	445	862	859	e360	1430	2930	390	438	741	193	373
9	407	439	836	839	357	1680	3030	384	346	753	193	369
10	422	451	816	912	357	1740	2520	522	226	316	205	366
11	428	488	831	1320	362	2050	2050	2810	224	215	206	373
12	422	474	826	1650	359	2040	1920	2520	222	208	218	417
13	417	766	818	1290	359	1990	1880	2500	218	204	194	496
14	573	794	857	e600	363	1970	1460	2980	225	201	186	437
15	553	799	814	e410	359	1950	934	2200	232	212	186	423
16	811	797	824	e380	358	1940	913	1460	313	411	273	410
17	827	792	500	e370	354	922	892	764	552	335	449	396
18	808	786	456	e370	357	860	1000	574	382	192	422	388
19	463	781	435	e360	357	848	995	1040	223	199	407	384
20	420	784	446	e360	360	860	987	990	216	198	399	394
21	413	800	489	e360	357	858	1040	973	242	351	216	405
22	412	472	509	e360	357	863	1050	955	244	769	191	406
23	434	433	490	e360	580	520	1040	892	219	782	206	411
24	524	428	473	362	629	480	1020	959	452	295	212	438
25	513	422	435	361	680	470	869	1030	478	199	382	421
26	474	536	440	360	959	465	510	1970	221	197	397	406
27	452	1120	439	e360	1820	582	475	1610	212	194	392	397
28	436	2350	431	e360	2630	1480	404	891	211	194	390	399
29	428	2040	429	e360	2380	1620	385	708	213	194	410	399
30	761	2040	430	354	---	1610	373	689	214	194	410	402
31	790	---	426	361	---	1570	---	586	---	194	209	---
TOTAL	15178	22425	22320	22020	17583	42848	46507	33193	8641	9363	9753	12635
MEAN	490	748	720	710	606	1382	1550	1071	288	302	315	421
MAX	827	2350	1840	2460	2630	2160	5120	2980	552	782	753	731
MIN	351	422	426	354	354	465	373	370	211	192	186	366

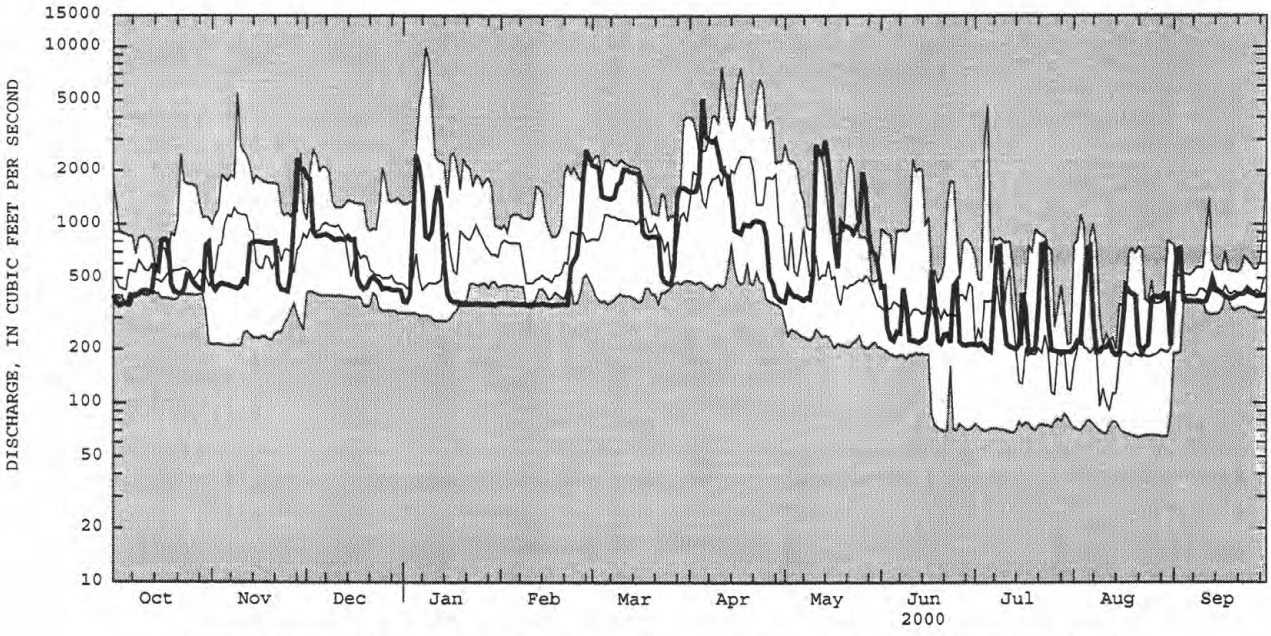
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

MEAN	605	838	801	964	734	1064	1832	728	399	303	237	458
MAX	822	1295	1397	1704	1291	1598	2818	1315	768	610	333	609
(WY)	1996	1996	1997	1998	1996	1998	1993	1996	1993	1999	1994	1994
MIN	405	245	390	548	532	549	512	261	214	74.4	70.4	333
(WY)	1999	1999	1999	1994	1995	1993	1995	1998	1995	1995	1995	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	232580		262466			
ANNUAL MEAN	637		717		737	
HIGHEST ANNUAL MEAN					920	1996
LOWEST ANNUAL MEAN					548	1995
HIGHEST DAILY MEAN	4660	Jul 5	5120	Apr 5	9880	Jan 8 1998
LOWEST DAILY MEAN	172	Jun 23	186	Aug 14	64	Aug 21 1995
ANNUAL SEVEN-DAY MINIMUM	176	Jun 19	195	Jul 25	65	Aug 19 1995
10 PERCENT EXCEEDS	1110		1700		1640	
50 PERCENT EXCEEDS	435		434		487	
90 PERCENT EXCEEDS	191		216		196	

e Estimated

04250200 SALMON RIVER AT PINEVILLE, NY--Continued



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

04252500 BLACK RIVER NEAR BOONVILLE, NY

LOCATION.--Lat 43°30'42", long 75°18'25", Oneida County, Hydrologic Unit 04150101, on left bank at downstream side of bridge on Moose River Road, 0.8 mi upstream from Sugar River, and 2 mi northeast of Boonville.
DRAINAGE AREA.--304 mi^2.
PERIOD OF RECORD.--January to February 1911 (monthly discharges only, published in WSP 1307), March 1911 to current year.
REVISED RECORDS.--WSP 784: 1934. WSP 1084: 1912(M), 1913, 1917-1919(M), 1922(M), 1924(M), 1926(M), 1928)M), 1930(M), 1933(M). WSP 1307: 1914(M). WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 935.50 ft above sea level. Prior to Sept. 27, 1933, nonrecording gage at same site and datum.
REMARKS.--Records good except those below 800 ft^3/s, which are fair, and those for estimated daily discharges, which are poor. Occasional regulation by several headwater reservoirs. Forestport feeder diverts water from State Pond at Forestport 9 mi upstream. That portion of diverted water which does not pass Black River Canal (flowing south), returns to Black River downstream from station through Mill Creek sluiceway. Slight diurnal fluctuation at medium and low flow caused by mill upstream from station. Telephone and satellite gage-height telemeters at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,800 ft^3/s, Apr. 18, 1982, Dec. 30, 1984, gage heights, 11.31 ft and 11.41 ft, respectively; maximum gage height, 13.10 ft, Feb. 21, 1981 (ice jam); minimum observed discharge, about 5 ft^3/s, Aug. 26, 1918, gage height, 2.40 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 5	0830	*4,470	8.81	Mar. 29	0845	3,920	8.47
Feb. 27	2400	ice jam	*10.30	Apr. 5	0615	4,200	8.65
Feb. 29	0045	3,970	8.50	May 11	1900	4,160	8.63

Minimum discharge, 193 ft^3/s, Sept. 9, gage height, 3.90 ft.

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

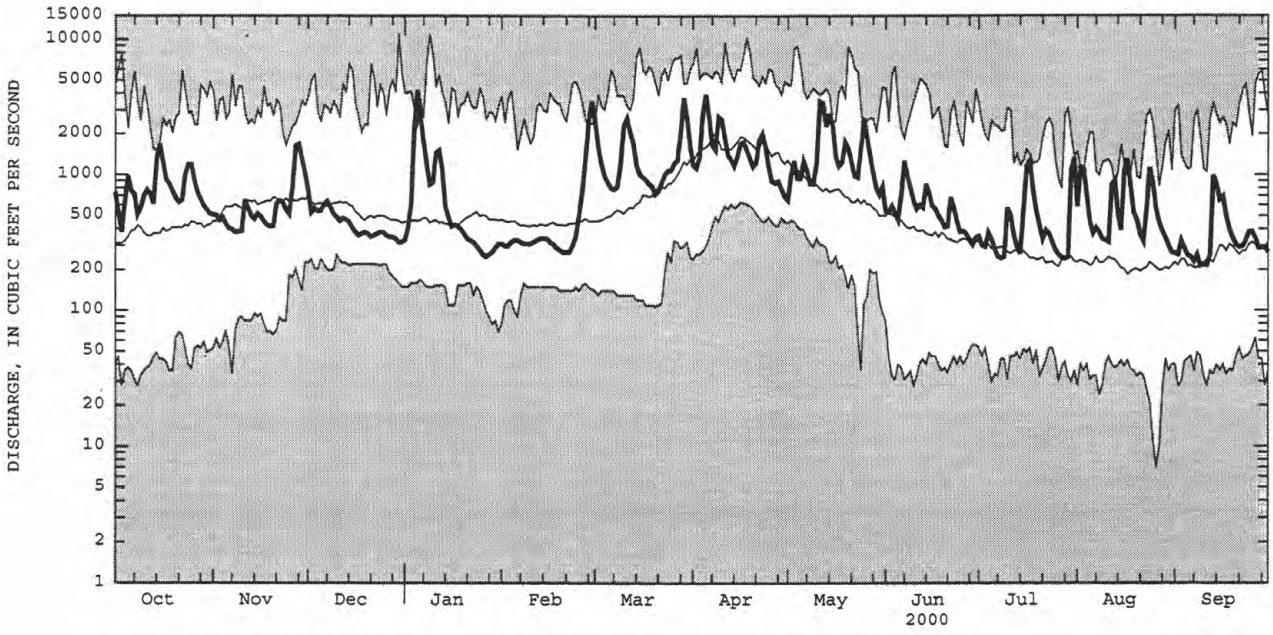
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	740	510	e760	e330	e310	e2500	1170	655	539	353	586	265
2	530	504	e530	e400	e300	e1600	1120	1000	535	302	1130	260
3	380	466	565	e600	e300	e1200	1340	1260	589	296	1100	326
4	636	487	540	e2200	e320	e980	2800	941	526	375	690	288
5	978	436	545	4230	e330	e880	3920	936	469	335	451	257
6	761	404	607	2700	e330	e800	2660	1250	711	286	373	249
7	718	397	637	1750	e320	e780	1660	1080	1260	251	408	230
8	508	379	579	e1200	e310	e820	1530	859	977	244	379	257
9	565	383	518	e850	e310	e1200	2670	856	796	249	339	214
10	702	386	e490	e880	e310	e2300	2550	1220	644	571	330	219
11	771	650	e460	1450	e320	e2600	1880	3470	562	506	320	216
12	720	573	e480	1510	e330	2070	1400	3370	601	362	843	257
13	612	501	e470	e1100	e340	1720	1290	2270	576	294	908	986
14	1310	474	e450	e590	e340	1190	1160	2820	852	263	512	860
15	1680	518	e410	e490	e340	1010	1350	2320	735	551	392	660
16	1240	494	e380	e420	e320	e960	1690	1370	591	1150	1070	693
17	922	454	e360	e430	e310	e920	1740	1160	563	1270	1300	503
18	855	430	e370	e420	e290	e860	1520	1230	501	754	818	398
19	761	416	e380	e400	e280	e820	1320	1730	465	544	526	342
20	676	421	e370	e370	e270	e720	1150	1570	414	428	469	304
21	628	616	e350	e340	e270	760	1220	1240	419	338	364	294
22	651	643	e360	e330	e270	875	1800	980	682	390	325	296
23	999	627	e370	e320	e300	998	1990	955	570	369	555	327
24	1190	550	e380	e300	e350	1070	1610	1540	456	319	1130	380
25	1190	515	e380	e280	e500	1080	1150	2610	382	280	878	382
26	902	809	e360	e260	e750	1210	901	1870	386	259	567	342
27	740	1640	e350	e250	e1300	1280	874	1370	367	246	450	289
28	662	1680	e350	e260	e2500	2070	894	1030	333	242	387	290
29	591	1300	e340	e270	e3500	3690	791	797	307	248	346	293
30	554	1020	e320	e290	---	2620	694	716	345	1070	300	270
31	517	---	e320	e310	---	1640	---	814	---	1330	269	---
TOTAL	24689	18683	13781	25530	16020	43223	47844	45289	17153	14475	18515	10947
MEAN	796	623	445	824	552	1394	1595	1461	572	467	597	365
MAX	1680	1680	760	4230	3500	3690	3920	3470	1260	1330	1300	986
MIN	380	379	320	250	270	720	694	655	307	242	269	214

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

MEAN	538	740	728	656	573	1022	1886	985	509	356	287	382
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	227213		296149			
ANNUAL MEAN	623		809		721	
HIGHEST ANNUAL MEAN					1119	1976
LOWEST ANNUAL MEAN					448	1931
HIGHEST DAILY MEAN	4400	Jan 25	4230	Jan 5	11100	Dec 30 1984
LOWEST DAILY MEAN	99	Aug 23	214	Sep 9	7.0	Aug 26 1918
ANNUAL SEVEN-DAY MINIMUM	113	Aug 18	235	Sep 5	19	Aug 22 1918
10 PERCENT EXCEEDS	1400		1640		1540	
50 PERCENT EXCEEDS	427		565		470	
90 PERCENT EXCEEDS	165		292		170	

e Estimated



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

04256000 INDEPENDENCE RIVER AT DONNATTSBURG, NY

LOCATION.--Lat 43°44'50", long 75°20'05", Lewis County, Hydrologic Unit 04150101, on right bank at downstream side of highway bridge on Donnattsburg Road at Donnattsburg, 1.2 mi downstream from Chase Lake Outlet, 4.2 mi northeast of Glenfield, and 5.0 mi upstream from mouth.
DRAINAGE AREA.--88.7 mi^2.
PERIOD OF RECORD.--July 1942 to current year.
REVISED RECORDS.--WDR NY-87-1: Drainage area.
GAGE.--Water-stage recorder. 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 ft^3/s, Dec. 30, 1984, gage height, 13.34 ft, from rating curve extended above 2,100 ft^3/s on basis of slope-area measurement of peak flow; minimum observed discharge, 18 ft^3/s, Sept. 17, 1948, Aug. 4, 5, 1949, gage height, 2.85 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	1645	1,350	6.40	Apr. 4	2245	2,140	7.33
Jan. 5	0730	1,740	6.88	May 11	1100	*2,880	*8.14
Feb. 28	1815	1,560	6.67	May 14	1230	1,770	6.92
Mar. 10	1815	1,330	6.37	July 11	0015	1,260	6.28
Mar. 29	0715	1,460	6.54				

Minimum discharge, 37 ft^3/s, Sept. 10, 11, 12, gage height, 3.49 ft.

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	116	103	e210	e90	e70	719	316	160	138	76	223	49
2	103	96	e180	e100	e63	e490	291	250	133	66	376	47
3	89	100	173	e150	e61	e330	442	298	140	61	424	49
4	112	116	166	e500	e64	e250	1250	223	123	61	272	59
5	234	118	185	e1500	e70	e200	1570	314	109	58	177	49
6	185	138	194	e600	e80	e180	716	550	136	52	132	44
7	137	179	209	e350	e80	e170	461	375	197	49	112	40
8	108	166	190	e250	e71	e180	425	320	170	46	97	38
9	98	141	162	e210	e68	e350	970	490	147	60	91	38
10	104	166	144	e210	e65	1060	808	649	149	687	86	37
11	137	415	e130	450	e64	840	499	2450	131	879	76	37
12	198	350	e120	494	e66	e450	377	1260	117	331	82	41
13	158	240	e110	e300	e70	e280	304	890	113	181	83	100
14	356	198	e110	e200	e76	e230	295	1560	137	127	75	131
15	564	177	e110	e120	e77	e200	471	889	143	108	66	107
16	331	159	e100	e100	e76	e190	727	497	282	166	106	117
17	222	142	e96	e95	e72	e180	548	378	267	198	144	97
18	206	130	e100	e94	e68	e170	376	354	206	160	119	78
19	179	121	e120	e92	e64	e170	325	507	168	124	98	65
20	148	135	e110	e88	e62	e170	275	414	141	100	93	56
21	128	221	e100	e80	e60	e185	333	325	116	90	71	58
22	116	245	e92	e70	e62	234	583	273	115	128	62	65
23	162	193	e100	e69	e66	294	580	234	122	153	66	65
24	310	160	e110	e70	e75	328	426	370	108	127	108	83
25	390	142	e120	e68	e100	341	308	653	92	97	105	111
26	268	239	e100	e58	e250	374	239	491	89	79	82	107
27	197	1130	e99	e54	e500	326	230	360	85	70	74	78
28	159	904	e98	e54	e1100	555	235	268	78	71	69	69
29	135	461	e94	e56	1220	1250	205	223	73	214	63	62
30	120	303	e90	e60	---	686	178	183	73	243	59	56
31	110	---	e88	e68	---	421	---	153	---	225	52	---
TOTAL	5880	7388	4010	6700	4820	11803	14763	16361	4098	5087	3743	2033
MEAN	190	246	129	216	166	381	492	528	137	164	121	67.8
MAX	564	1130	210	1500	1220	1250	1570	2450	282	879	424	131
MIN	89	96	88	54	60	170	178	153	73	46	52	37
CFSM	2.14	2.78	1.46	2.44	1.87	4.29	5.55	5.95	1.54	1.85	1.36	.76
IN.	2.47	3.10	1.68	2.81	2.02	4.95	6.19	6.86	1.72	2.13	1.57	.85

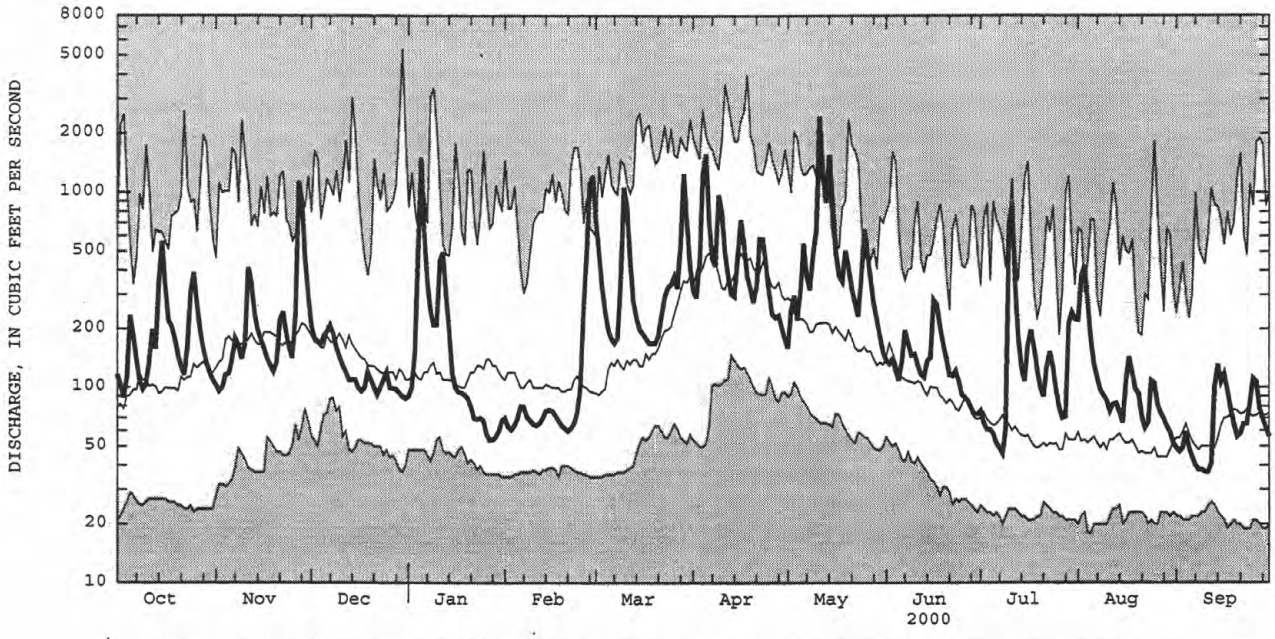
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2000, BY WATER YEAR (WY)

MEAN	160	227	204	171	151	279	514	259	129	88.3	79.3	106
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

04256000 INDEPENDENCE RIVER AT DONNATTSBURG, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1942 - 2000	
ANNUAL TOTAL	61358		86686			
ANNUAL MEAN	168		237		197	
HIGHEST ANNUAL MEAN					292	1947
LOWEST ANNUAL MEAN					132	1961
HIGHEST DAILY MEAN	1640	Jan 25	2450	May 11	5410	Dec 30 1984
LOWEST DAILY MEAN	21	Sep 4	37	Sep 10	18	Aug 4 1949
ANNUAL SEVEN-DAY MINIMUM	23	Aug 31	39	Sep 6	20	Aug 4 1949
ANNUAL RUNOFF (CFSM)	1.90		2.67		2.22	
ANNUAL RUNOFF (INCHES)	25.73		36.36		30.19	
10 PERCENT EXCEEDS	364		498		418	
50 PERCENT EXCEEDS	110		140		120	
90 PERCENT EXCEEDS	31		63		42	



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

04256500 STILLWATER RESERVOIR NEAR BEAVER RIVER, NY

LOCATION.--Lat 43°53'50", long 75°03'05", Herkimer County, Hydrologic Unit 04150101, in gatehouse at Stillwater Dam on Beaver River, 2.5 mi upstream from Moshier Creek, and 7.5 mi west of Beaver River Post Office.
DRAINAGE AREA.--171 mi^2.
PERIOD OF RECORD.--May 1908 to current year. Prior to February 1925, month-end contents only, published in WSP 1307. February 1925 to September 1937, published in WSP 824. Prior to October 1999, daily observations at 0800 hours.
REVISED RECORDS.--WDR NY-85-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 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 ft^3 between elevations 1,650.3 ft and 1,679.3 ft (top of 24-inch flashboards in place throughout year). Elevation of gate sill of lowest outlet, 1,642.3 ft. Capacity below elevation 1,650.3 ft, 90 mil ft^3, is included in records presented herein, but is not ordinarily available for release. Reservoir is used to regulate flow of Beaver and Black Rivers for flood control, power development and general public welfare. Satellite and telephone gage-height and rain-gage telemeter at station.
COOPERATION.--Supplemental records provided by Board of Hudson River-Black River Regulating District.
EXTREMES FOR PERIOD OF RECORD.--Maximum observed elevation, 1,680.08 ft, May 20, 1969, contents, 4,939 mil ft^3; minimum observed since first filling, 1,644.80 ft, Mar. 25-27, 1949, contents, 8 mil ft^3.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,679.34 ft, May 15, contents, 4,725 mil ft^3; minimum, 1,661.38 ft, Oct. 13, contents, 992 mil ft^3.

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

1,658.0	604	1,670.0	2,431
1,660.0	821	1,675.0	3,556
1,665.0	1,518	1,680.0	4,916

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1664.08	1663.61	1666.74	1668.67	1670.91	1670.19	1675.55	1677.01	1678.21	1676.37	1676.54	1674.14
2	1663.82	1663.63	1666.82	1668.68	1670.81	1670.51	1675.72	1677.06	1678.09	1676.29	1676.97	1673.96
3	1663.58	1663.59	1666.90	1668.77	1670.70	1670.77	1675.98	1677.08	1677.98	1676.22	1677.34	1673.77
4	1663.44	1663.53	1666.99	1669.14	1670.58	1670.91	1676.61	1677.05	1677.85	1676.15	1677.54	1673.58
5	1663.28	1663.62	1667.10	1669.84	1670.46	1671.03	1677.33	1677.11	1677.71	1676.03	1677.54	1673.37
6	1663.06	1663.69	1667.21	1670.22	1670.36	1671.12	1677.62	1677.16	1677.62	1675.93	1677.50	1673.15
7	1662.83	1663.80	1667.32	1670.46	1670.25	1671.20	1677.80	1677.15	1677.51	1675.81	1677.44	1672.93
8	1662.56	1663.89	1667.41	1670.63	1670.13	1671.28	1677.95	1677.21	1677.39	1675.70	1677.37	1672.70
9	1662.30	1663.94	1667.45	1670.74	1669.99	1671.47	1678.36	1677.34	1677.29	1675.64	1677.31	1672.49
10	1662.08	1664.00	1667.52	1670.87	1669.86	1672.09	1678.56	1677.57	1677.16	1675.97	1677.24	1672.27
11	1661.90	1664.10	1667.59	1671.14	1669.74	1672.50	1678.52	1678.34	1677.03	1676.21	1677.15	1672.05
12	1661.72	1664.14	1667.67	1671.34	1669.62	1672.77	1678.31	1678.75	1676.91	1676.29	1677.07	1671.86
13	1661.48	1664.18	1667.71	1671.48	1669.47	1672.93	1678.06	1678.98	1676.78	1676.29	1676.97	1671.77
14	1661.56	1664.21	1667.77	1671.58	1669.39	1673.06	1677.78	1679.25	1676.68	1676.25	1676.86	1671.60
15	1661.98	1664.26	1667.80	1671.65	1669.29	1673.17	1677.57	1679.30	1676.68	1676.23	1676.78	1671.42
16	1662.27	1664.29	1667.82	1671.70	1669.17	1673.29	1677.54	1679.20	1676.79	1676.22	1676.72	1671.22
17	1662.48	1664.32	1667.89	1671.75	1669.05	1673.43	1677.48	1679.06	1676.86	1676.17	1676.62	1671.01
18	1662.68	1664.34	1667.96	1671.77	1668.92	1673.47	1677.34	1678.91	1676.90	1676.10	1676.49	1670.80
19	1662.82	1664.37	1667.98	1671.78	1668.80	1673.49	1677.20	1678.88	1676.93	1676.05	1676.34	1670.58
20	1662.85	1664.40	1668.02	1671.80	1668.66	1673.48	1677.11	1678.82	1676.93	1675.97	1676.17	1670.38
21	1662.87	1664.54	1668.17	1671.82	1668.52	1673.48	1677.10	1678.73	1676.92	1675.90	1676.01	1670.26
22	1662.90	1664.66	1668.31	1671.79	1668.37	1673.49	1677.18	1678.61	1676.90	1675.82	1675.83	1670.19
23	1662.96	1664.74	1668.42	1671.75	1668.23	1673.54	1677.23	1678.47	1676.87	1675.77	1675.68	1670.10
24	1663.14	1664.79	1668.49	1671.70	1668.11	1673.61	1677.20	1678.45	1676.83	1675.71	1675.54	1670.03
25	1663.34	1664.86	1668.53	1671.61	1668.07	1673.71	1677.18	1678.50	1676.77	1675.63	1675.37	1669.96
26	1663.45	1665.04	1668.56	1671.53	1668.14	1673.84	1677.12	1678.52	1676.73	1675.55	1675.20	1669.85
27	1663.53	1665.66	1668.60	1671.43	1668.47	1673.95	1677.09	1678.55	1676.66	1675.46	1675.06	1669.73
28	1663.56	1666.19	1668.63	1671.32	1669.16	1674.24	1677.07	1678.53	1676.59	1675.36	1674.89	1669.64
29	1663.58	1666.46	1668.64	1671.21	1669.79	1674.82	1677.08	1678.47	1676.53	1675.34	1674.71	1669.51
30	1663.60	1666.63	1668.66	1671.09	---	1675.17	1677.05	1678.39	1676.45	1675.58	1674.52	1669.39
31	1663.60	---	1668.67	1671.00	---	1675.39	---	1678.29	---	1676.00	1674.34	---
MEAN	1662.88	1664.45	1667.85	1670.98	1669.41	1672.82	1677.32	1678.22	1677.09	1675.94	1676.36	1671.46
MAX	1664.08	1666.63	1668.67	1671.82	1670.91	1675.39	1678.56	1679.30	1678.21	1676.37	1677.54	1674.14
MIN	1661.48	1663.53	1666.74	1668.67	1668.07	1670.19	1675.55	1677.01	1676.45	1675.34	1674.34	1669.39
‡	1304	1803	2167	2628	2435	3676	4081	4410	3920	3899	3371	2296
‡‡	-39.6	+192	+136	+172	-77.0	+463	.+156	+123	-189	-7.84	-197	-415

WTR YR 2000 MEAN 1672.07 MAX 1679.30 MIN 1661.48 ‡‡ +28.0

‡ 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 Dec. 9, Jan. 12, 13, 14, computed based on readings at 0800 hours.

04258000 BEAVER RIVER AT CROGHAN, NY

LOCATION.--Lat 43°53'50", long 75°24'16", Lewis County, Hydrologic Unit 04150101, on left bank 1,200 ft upstream from Black Creek, and 0.5 mi west of Croghan.
DRAINAGE AREA.--291 mi^2.
PERIOD OF RECORD.--September 1930 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 806.20 ft above 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 ft^3/s, May 21, 1969, gage height, 6.98 ft; minimum, 11 ft^3/s, Jan. 22, 29, Feb. 4, 1967, gage height, 0.63 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,680 ft^3/s, May 11, gage height, 5.24 ft; minimum, 273 ft^3/s, Nov. 23, gage height, 2.12 ft.

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	867	412	314	361	572	1080	683	1040	999	448	1030	820
2	754	321	310	320	665	779	673	1050	967	478	1340	821
3	677	340	338	440	664	621	818	1010	907	449	1440	739
4	500	348	342	646	655	497	1290	879	848	504	1080	814
5	900	337	360	968	556	613	1860	955	811	491	746	665
6	833	330	353	1030	634	530	1620	993	981	387	682	570
7	797	326	403	568	632	478	1130	955	1030	497	852	744
8	782	322	462	343	631	562	1520	1040	980	387	924	771
9	815	320	413	379	605	545	1650	1060	950	519	905	826
10	809	325	362	432	660	871	1870	1390	952	936	805	746
11	812	341	455	943	615	1180	1950	2610	943	1250	694	711
12	801	338	429	840	625	908	2080	2320	948	1070	773	811
13	793	331	413	678	619	852	2120	1930	954	741	828	910
14	900	328	412	446	627	674	2120	1990	852	418	593	826
15	1010	322	416	359	631	577	2200	2120	687	507	375	959
16	652	320	450	491	572	581	2230	1800	1030	522	894	977
17	462	318	429	e440	625	540	2110	1790	857	623	1040	862
18	409	317	412	e400	619	668	1770	1880	586	709	991	894
19	332	316	403	366	601	754	1770	2030	596	608	817	815
20	323	314	437	312	611	786	1630	1880	366	433	599	826
21	316	321	394	388	601	743	1530	1690	575	505	786	458
22	314	344	393	560	590	752	1850	1390	317	483	831	549
23	320	367	447	350	565	762	1720	1380	439	688	761	428
24	345	507	454	503	594	766	1730	1470	379	584	740	683
25	557	397	373	695	730	760	1470	1650	457	515	816	684
26	870	555	372	610	968	931	1210	1530	560	571	785	516
27	755	1090	393	609	1240	912	1100	1460	609	497	831	477
28	388	1460	369	581	1440	1070	1060	1320	554	480	827	417
29	323	1090	382	597	1630	1310	993	1070	605	519	821	391
30	319	657	408	666	---	1380	1060	1040	524	598	818	468
31	351	---	342	479	---	964	---	1020	---	927	818	---
TOTAL	19086	13414	12240	16800	20777	24446	46817	45742	22263	18344	26242	21178
MEAN	616	447	395	542	716	789	1561	1476	742	592	847	706
MAX	1010	1460	462	1030	1630	1380	2230	2610	1030	1250	1440	977
MIN	314	314	310	312	556	478	673	879	317	387	375	391

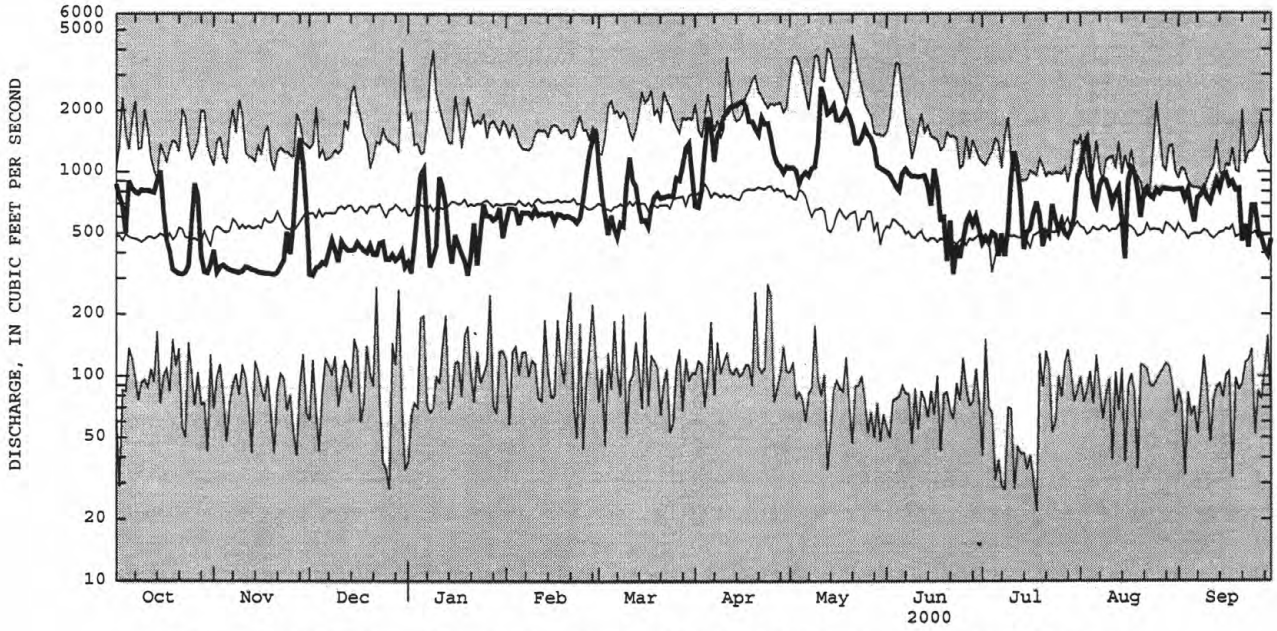
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2000, BY WATER YEAR (WY)

MEAN	517	578	646	686	705	707	820	724	518	492	525	512
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	363	328
(WY)	1961	1940	1940	1961	1956	1967	1995	1941	1941	1965	1967	1972

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1930 - 2000	
ANNUAL TOTAL	196915		287349			
ANNUAL MEAN	539		785		619	
HIGHEST ANNUAL MEAN					916	1976
LOWEST ANNUAL MEAN					361	1931
HIGHEST DAILY MEAN	1930	Jan 25	2610	May 11	4700	May 21 1969
LOWEST DAILY MEAN	287	Jun 24	310	Dec 2	22	Jul 18 1965
ANNUAL SEVEN-DAY MINIMUM	296	Jun 15	318	Nov 15	37	Jul 12 1965
10 PERCENT EXCEEDS	900		1460		980	
50 PERCENT EXCEEDS	429		670		580	
90 PERCENT EXCEEDS	304		345		285	

e Estimated

04258000 BEAVER RIVER AT CROGHAN, NY--Continued



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

04260500 BLACK RIVER AT WATERTOWN, NY

LOCATION.--Lat 43°59'08", long 75°55'30", Jefferson County, Hydrologic Unit 04150101, on right bank 200 ft downstream from Vanduzee Street Bridge at Watertown, and 3.5 mi upstream from Philomel Creek.
DRAINAGE AREA.--1,864 mi^2.
PERIOD OF RECORD.--July 1920 to current year.
REVISED RECORDS.--WDR NY-77-1: 1974. WDR NY-85-1: Drainage area. WDR NY-93-1: 1955, 1958-60, 1962-64, 1969, 1971-72, 1974, 1976-77, 1979-82, 1984-87, 1989-92.
GAGE.--Water-stage recorder. Datum of gage is 373.88 ft above sea level. Prior to Sept. 3, 1921, nonrecording gage, and from Sept. 3, 1921 to Mar. 15, 1977, recording gage at same site at datum 1.00 ft higher. Prior to June 13, 1992, at site 200 ft upstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Stillwater Reservoir (see station 04256500), Fulton Chain of Lakes, and other reservoirs. Extensive diurnal fluctuation at low and medium flow caused by mills and powerplants in and above Watertown. During canal season, water is diverted out of basin through Forestport feeder and Black River Canal (flowing south). Several measurements of water temperature were made during the year. Satellite and telephone gage-height and rain-gage telemeter and Hudson River-Black River Regulating District telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,500 ft^3/s, Jan. 10, 1998, gage height, 16.02 ft; minimum, 10 ft^3/s, Sept. 2, 1934, gage height, 0.81 ft, present datum.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 39,700 ft^3/s, Apr. 23, 1869 (from New York State Museum Bulletin 85).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 1	0730	19,000	9.02	May 13	1900	*20,800	*9.40
Apr. 6	1630	18,300	8.87				

Minimum discharge, 494 ft^3/s, Aug. 23, gage height, 1.82 ft.

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	2570	2740	8800	e2200	2100	17700	12900	5320	4930	1930	4960	2100
2	3330	2480	6880	e2100	e2000	16300	10900	5190	4250	2230	5280	2080
3	2910	2540	5340	e3000	e2200	13200	10000	5940	3900	2170	6700	2020
4	2270	2810	4650	6340	e2500	10700	11300	6300	3750	1980	6500	2000
5	3160	3090	4400	9750	e2200	8740	13400	6310	3270	1890	5510	2050
6	4690	3180	4160	11800	e2200	7110	16900	6410	3570	1960	4440	1840
7	4320	3290	4030	13800	2250	5780	17600	6490	4260	1800	3470	1600
8	3550	3160	4100	12300	e2300	5220	15400	6550	5020	1680	3290	1900
9	3050	2920	3840	10100	2290	5850	15500	6420	5170	1610	3180	1800
10	3090	2730	3540	8300	2120	7980	14600	6900	4790	2560	2820	1790
11	3190	3740	3170	8620	2110	9260	15100	12400	4310	5300	2570	1750
12	3460	4130	3490	9440	e2000	10600	14600	15300	3870	6750	2520	1720
13	3430	4060	3310	8710	e1900	10800	13400	19800	3650	6340	3640	2330
14	3750	3430	3140	5730	e2000	10200	12200	20200	4000	4660	4090	3540
15	5710	3270	3000	e3500	e2000	8900	11400	18900	3760	3370	3020	3710
16	6350	3140	3370	e3400	e1900	8290	10800	17600	4950	3350	3760	3620
17	5920	2940	4080	e3300	e2000	7630	10500	14900	5160	4800	6180	3440
18	5260	2710	3880	e3200	e2000	6860	10600	12700	4130	5370	6060	3050
19	4580	2620	3200	e3100	2080	6370	10300	12000	3720	4730	4880	2790
20	3780	2490	2440	e3000	2080	5950	9710	11100	3330	3500	3500	2430
21	3390	2530	4200	e2800	2080	5600	9350	10500	3110	2710	2930	2180
22	3120	3120	5200	e2500	2090	5430	9780	9650	2790	2410	2700	1930
23	3040	3570	e4800	e2600	2130	5560	10600	8590	2750	2580	2530	1920
24	4130	3460	e4000	e2400	2280	5780	11000	8120	3030	2730	2810	2140
25	4880	3260	e3500	e2500	3380	6070	10800	8710	2750	2520	4100	2900
26	5460	3410	e3400	e2500	6560	6320	9760	9250	2520	2170	3910	2830
27	5270	9390	e3300	e2300	9420	6690	8460	9510	2570	1940	3200	2210
28	4400	10300	e3200	e2100	12900	7380	7210	9200	2380	1800	2770	1940
29	3470	10800	3160	e2200	13900	9900	6380	8280	2430	1950	2550	1850
30	3160	10400	2960	e2000	---	11800	5810	7000	2210	2690	2210	1750
31	2840	---	e2500	2660	---	13700	---	5820	---	3840	2010	---
TOTAL	121530	121710	123040	158250	96970	267670	346260	311360	110330	95320	118090	69210
MEAN	3920	4057	3969	5105	3344	8635	11540	10040	3678	3075	3809	2307
MAX	6350	10800	8800	13800	13900	17700	17600	20200	5170	6750	6700	3710
MIN	2270	2480	2440	2000	1900	5220	5810	5190	2210	1610	2010	1600

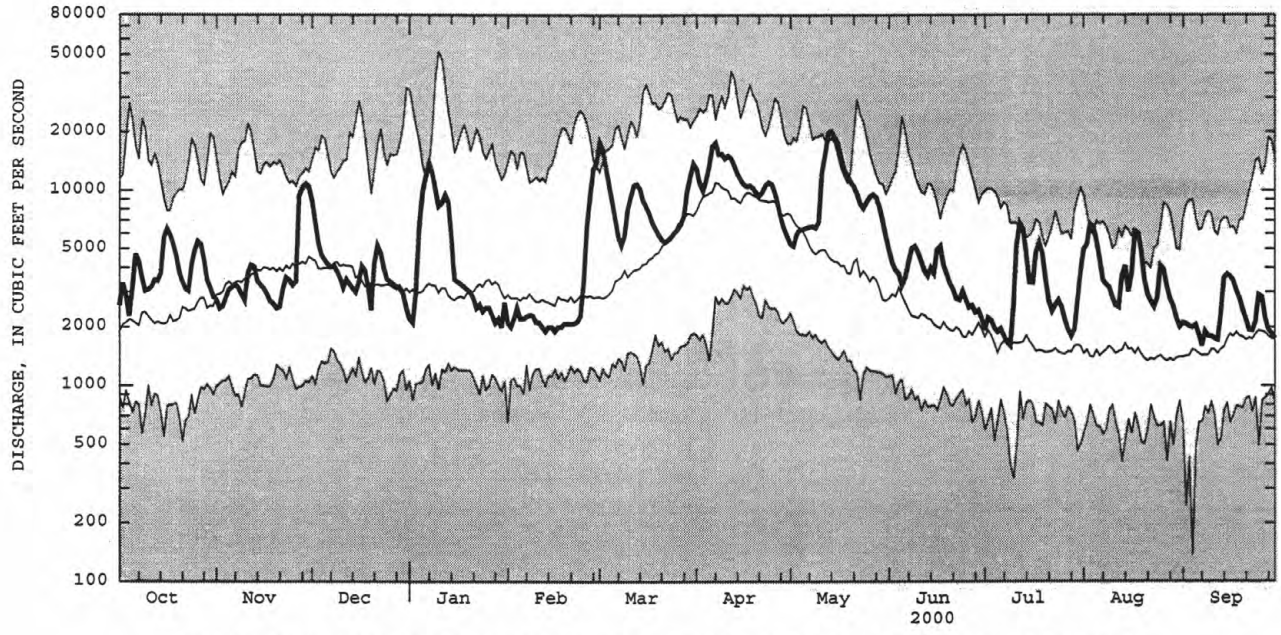
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2000, BY WATER YEAR (WY)

MEAN	3120	4355	4436	4147	3648	6108	9949	5412	2725	2031	1779	2159
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1920 - 2000	
ANNUAL TOTAL	1374756		1939740			
ANNUAL MEAN	3766		5300		4154	
HIGHEST ANNUAL MEAN					6392	1976
LOWEST ANNUAL MEAN					2579	1931
HIGHEST DAILY MEAN	18300	Apr 9	20200	May 14	52000	Jan 10 1998
LOWEST DAILY MEAN	788	Aug 28	1600	Sep 7	137	Sep 4 1939
ANNUAL SEVEN-DAY MINIMUM	810	Aug 22	1770	Sep 6	637	Aug 15 1923
10 PERCENT EXCEEDS	7420		10800		8850	
50 PERCENT EXCEEDS	3040		3630		2820	
90 PERCENT EXCEEDS	1140		2080		1270	

e Estimated

04260500 BLACK RIVER AT WATERTOWN, NY--Continued



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

LAKES AND RESERVOIRS IN STREAMS TRIBUTARY TO LAKE ONTARIO

04253300 SIXTH LAKE.--Lat 43°44'43", long 74°46'58", Hamilton County, Hydrologic Unit 04150101, on dam at outlet of Sixth Lake at Inlet, and 11.2 mi upstream from dam at Old Forge. **DRAINAGE AREA**, 18.6 mi^2. **PERIOD OF RECORD**, November 1911 to current year. **GAGE**, nonrecording gage read daily at 0800. Datum of gage is 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 ft^3 between minimum operating level, elevation 1,775.1 ft and crest of spillway, elevation 1,786.0 ft; no dead storage below minimum operating level. Figures given herein represent total contents. The dam is operated, records collected, provided, and stored by Board of Hudson River-Black River Regulating District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 332 mil ft^3, Oct. 3, 1945, elevation, 1,787.1 ft; minimum observed, less than 0.90 mil ft^3, Nov. 18, 1943, water level below elevation 1,775.6 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 309.4 mil ft^3, July 10, elevation, 1,786.40 ft; minimum observed, 164.7 mil ft^3, Feb. 25, elevation, 1,781.78 ft.

04253400 FIRST LAKE (formerly published as "Old Forge Reservoir").--Lat 43°42'44", long 74°58'12", Herkimer County, Hydrologic Unit 04150101, at dam on Middle Branch Moose River, 100 ft downstream from bridge on State Highway 28 at Old Forge, and 11.2 mi downstream from dam on Sixth Lake outlet at Inlet. **DRAINAGE AREA**, 53.6 mi^2. **PERIOD OF RECORD**, November 1911 to current year. **REVISED RECORDS**, WDR NY-85-1: Drainage area. **GAGE**, nonrecording gage read daily at 0800. Datum of gage is 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 ft^3, elevation, 1,707.0 ft. Usable capacity without flashboards, 764.3 mil ft^3, elevation, 1,706.1 ft; no dead storage below minimum operating level. Figures given herein represent total contents. The dam is operated, records collected, provided, and stored by Board of Hudson River-Black River Regulating District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 1,019 mil ft^3, June 17, 1972, elevation, 1,707.9 ft; minimum observed, 6.50 mil ft^3, Nov. 3, 1939, elevation, 1,699.8 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 931.2 mil ft^3, July 11, elevation, 1,707.30 ft; minimum observed, 373.0 mil ft^3, Feb. 5, 12, 13, elevation, 1,703.00 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 1999 TO SEPTEMBER 2000

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	1,785.78	289.5		1,706.87	872.8	
Oct. 31	1,784.53	249.7	-14.9	1,705.41	680.0	-72.0
Nov. 30	1,783.70	223.9	- 9.95	1,704.70	587.7	-35.6
Dec. 31	1,782.46	185.3	-14.4	1,703.47	431.8	-58.2
CAL YR 1999	-	-	+ 0.01	-	-	- 2.18
Jan. 31	1,781.88	167.8	- 6.53	1,703.12	388.3	-16.2
Feb. 29	1,782.98	201.6	+13.5	1,703.59	447.0	+23.4
Mar. 31	1,783.13	206.2	+ 1.72	1,705.14	644.9	+73.9
Apr. 30	1,785.28	273.5	+26.0	1,706.22	785.3	+54.2
May 31	1,785.62	284.4	+ 4.07	1,706.85	870.2	+31.7
June 30	1,785.69	286.7	+ 0.89	1,706.92	879.3	+ 3.51
July 31	1,785.80	290.2	+ 1.31	1,706.95	883.2	+ 1.45
Aug. 31	1,785.72	287.6	- 0.97	1,706.82	866.0	- 6.42
Sept. 30	1,785.58	283.1	- 1.74	1,706.81	864.6	- 0.54
WTR YR 2000	-	-	- 0.20	-	-	- 0.26

† 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 mi^2.
PERIOD OF RECORD.--October 1924 to September 1968, July 1987 to current year. Water year 1985 (annual maximum only). Prior to October 1958, published as East Branch Oswegatchie River near Oswegatchie.
REVISED RECORDS.--WDR NY-88-1: Drainage area.
GAGE.--Water-stage recorder. 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 ft^3/s, Apr. 12, 1947; maximum gage height, 7.3 ft, Apr. 26, 1926; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,810 ft^3/s, May 11, gage height, 5.91 ft; minimum, 151 ft^3/s, Oct. 8, gage height, 2.11 ft.

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	289	359	780	576	e410	1150	1250	715	783	319	875	290
2	192	490	615	587	e470	993	1170	831	637	266	794	294
3	197	526	535	829	e480	966	1180	562	565	255	951	304
4	220	360	606	1290	e380	731	1750	454	551	311	781	325
5	264	244	752	1360	e320	712	1930	678	523	279	612	349
6	258	382	699	903	e450	701	1720	804	782	241	660	263
7	184	401	745	836	e520	643	1690	624	439	222	669	229
8	201	308	635	813	e450	706	1980	1010	403	204	550	272
9	167	272	618	754	e620	1080	2180	1050	601	205	706	245
10	187	376	585	762	e500	1550	1750	1300	401	732	661	243
11	174	476	595	805	e410	1760	1760	2630	363	516	418	241
12	174	369	721	1120	e410	1630	1930	2250	384	530	341	319
13	183	319	649	1010	e400	1330	1860	2100	601	332	401	260
14	397	308	686	794	e310	1320	1790	2260	577	432	413	220
15	387	337	626	791	e290	1270	1710	2130	617	546	361	204
16	213	339	649	e800	e280	1520	1690	2010	518	554	372	229
17	339	338	569	e640	e350	1650	1480	1850	483	553	480	224
18	393	326	619	e680	e200	1500	987	1640	413	567	352	239
19	657	336	623	e520	e200	1330	810	1760	451	574	439	263
20	620	335	630	e620	e230	1060	809	1360	547	438	306	244
21	427	341	812	e640	e250	755	998	1030	476	228	317	299
22	534	450	669	e620	e250	618	1460	887	504	241	361	292
23	550	404	601	e760	e220	712	1600	1320	520	373	374	218
24	941	369	641	e760	e300	737	1540	1170	489	273	320	342
25	850	340	531	e620	e600	774	1320	1360	382	230	329	442
26	617	415	526	e500	e800	663	573	1280	323	289	347	296
27	543	1390	562	e360	e1000	666	1040	1190	309	325	315	288
28	488	739	545	e370	1930	903	1310	1560	424	282	332	312
29	371	674	587	e370	1450	1270	800	1050	265	319	353	313
30	451	626	576	e360	---	1080	859	775	347	824	321	273
31	406	---	587	e350	---	1160	---	756	---	1250	308	---
TOTAL	11874	12949	19574	22200	14480	32940	42926	40396	14678	12710	14819	8332
MEAN	383	432	631	716	499	1063	1431	1303	489	410	478	278
MAX	941	1390	812	1360	1930	1760	2180	2630	783	1250	951	442
MIN	167	244	526	350	200	618	573	454	265	204	306	204

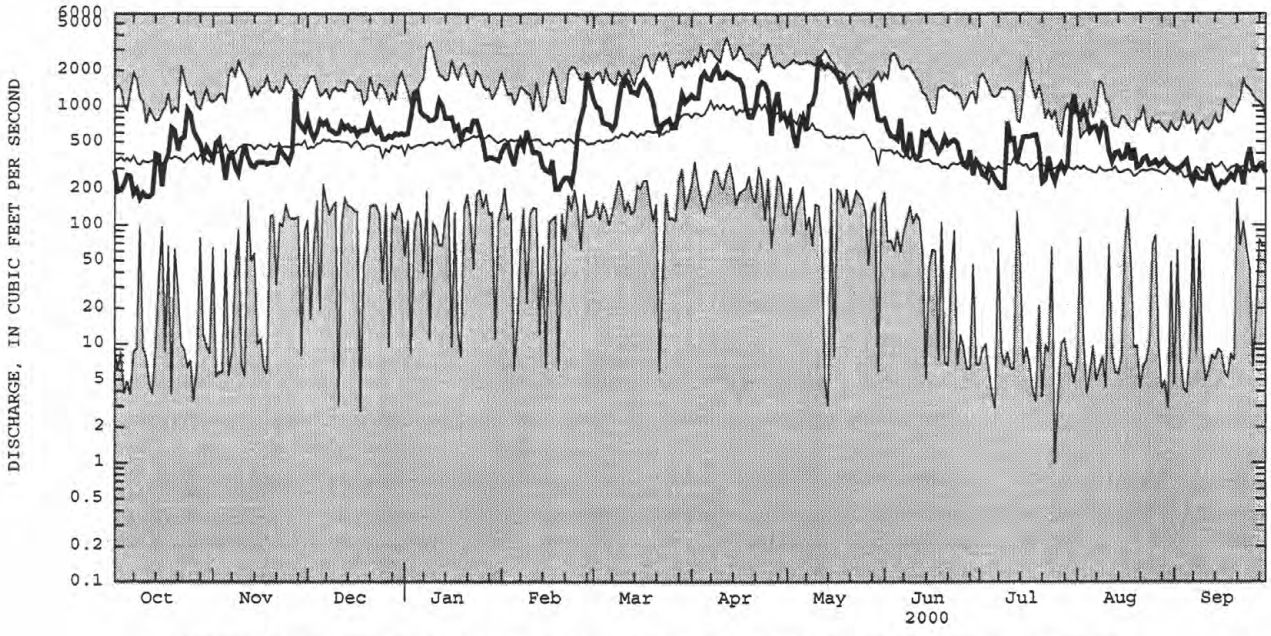
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2000, BY WATER YEAR (WY)

MEAN	398	507	519	565	536	700	1017	693	417	337	308	324
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1925 - 2000	
ANNUAL TOTAL	161182		247878			
ANNUAL MEAN	442		677		526	
HIGHEST ANNUAL MEAN					884	1947
LOWEST ANNUAL MEAN					311	1931
HIGHEST DAILY MEAN	1990	Jan 24	2630	May 11	3790	Apr 12 1947
LOWEST DAILY MEAN	96	Jun 23	167	Oct 9	1.0	Jul 25 1926
ANNUAL SEVEN-DAY MINIMUM	114	Aug 30	181	Oct 7	71	Jul 24 1991
10 PERCENT EXCEEDS	809		1370		978	
50 PERCENT EXCEEDS	341		550		425	
90 PERCENT EXCEEDS	141		254		200	

e Estimated

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.--244 mi^2.
PERIOD OF RECORD.--July 1916 to current year.
REVISED RECORDS.--WSP 784: 1934. WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 738.51 ft above 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 ft^3/s, Jan. 9, 1998, gage height, 10.64 ft; minimum discharge prior to regulation, 25 ft^3/s, Sept. 1, 1934, gage height, 0.86 ft; minimum discharge since regulation, 20 ft^3/s, Aug. 11, 1985, gage height, 0.83 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	2145	*5,370	*8.18	May 12	0500	4,060	7.02
Apr. 5	1445	3,650	6.63				

Minimum discharge, 77 ft^3/s, Sept. 8, 10, gage height, 1.48 ft.

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	213	283	1050	e270	e200	e3200	1560	591	488	201	965	139
2	209	255	718	e260	e200	e2200	1270	592	427	182	1040	130
3	191	242	595	431	e200	e1500	1210	672	418	167	1050	125
4	204	250	541	926	e190	1300	1890	648	387	167	1040	124
5	262	273	568	1550	e190	1090	3470	661	342	160	923	122
6	294	296	600	1790	e180	845	3090	839	349	148	715	125
7	269	346	602	1490	e180	732	2230	895	430	134	520	131
8	237	352	583	1080	e180	706	1770	809	445	132	392	93
9	221	330	522	922	e170	828	2090	820	407	134	291	99
10	229	307	470	763	e170	1170	2540	1030	400	407	260	92
11	227	330	e450	981	e170	1490	2150	2670	369	913	231	99
12	240	361	e420	1340	e170	1420	1690	3810	361	908	436	109
13	260	352	e400	e1000	e170	e1100	1390	2900	371	647	951	146
14	365	333	e370	e600	e160	998	1210	2470	419	479	711	219
15	682	321	e360	e450	e160	788	1280	2290	453	374	483	278
16	765	310	e360	e400	e160	e760	1640	1780	546	322	405	333
17	664	285	e360	e350	e160	e740	1810	1390	671	335	500	307
18	600	265	e360	e320	e160	e740	1540	1160	595	302	459	268
19	590	256	e380	305	e160	e740	1310	1350	496	252	400	233
20	510	246	e410	e280	e160	e760	1120	1520	422	214	361	187
21	420	274	e380	e260	e160	770	1040	1350	362	189	310	186
22	362	355	e360	e250	e160	778	1220	1140	334	182	253	231
23	331	370	e370	e240	e170	807	1440	952	298	198	217	239
24	434	345	e390	e230	e190	832	1440	880	261	202	225	307
25	755	320	e410	e220	e270	835	1270	1150	233	191	237	448
26	831	399	425	e210	e520	836	1050	1450	214	170	209	431
27	690	1210	376	e200	e1100	837	900	1440	289	156	205	339
28	548	2290	341	e190	4350	952	839	1210	330	177	197	293
29	448	1920	315	e190	4730	1750	752	953	265	285	184	266
30	365	1430	e300	e200	---	2470	639	740	222	559	167	229
31	315	---	e280	e200	---	2080	---	593	---	758	151	---
TOTAL	12731	14906	14066	17898	15140	36054	46850	40755	11604	9645	14488	6328
MEAN	411	497	454	577	522	1163	1562	1315	387	311	467	211
MAX	831	2290	1050	1790	4730	3200	3470	3810	671	913	1050	448
MIN	191	242	280	190	160	706	639	591	214	132	151	92
CFSM	1.68	2.04	1.86	2.37	2.14	4.77	6.40	5.39	1.59	1.28	1.92	.86
IN.	1.94	2.27	2.14	2.73	2.31	5.50	7.14	6.21	1.77	1.47	2.21	.96

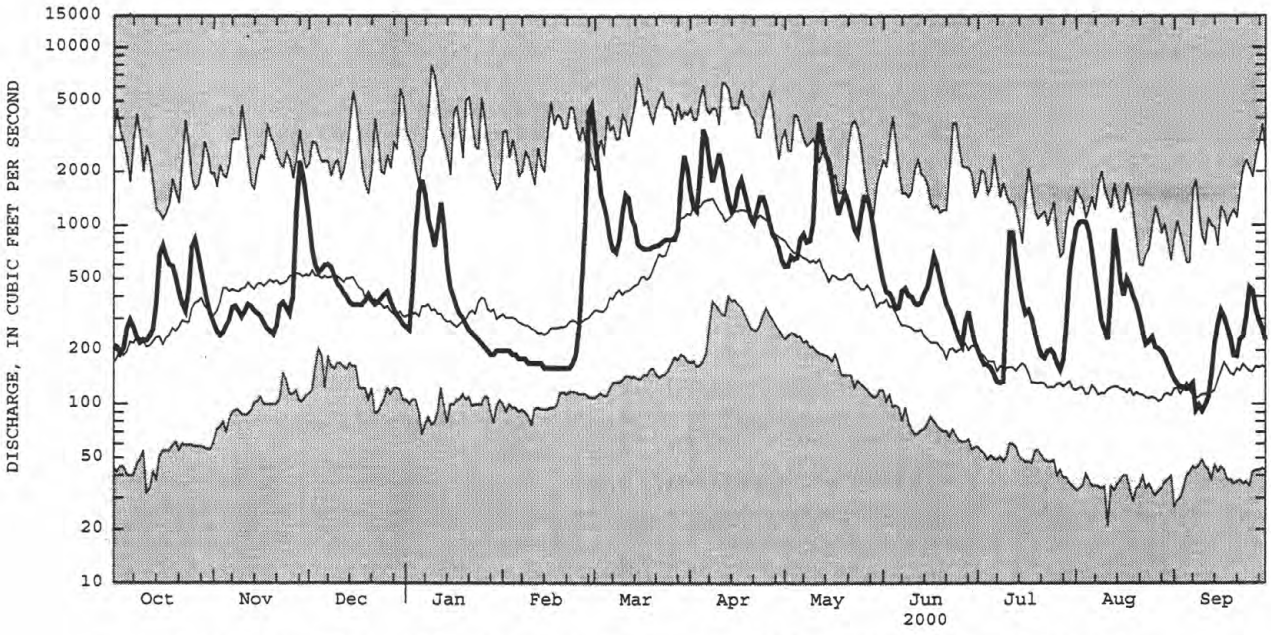
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2000, BY WATER YEAR (WY)

MEAN	385	575	576	511	434	843	1350	685	350	223	177	216
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1916 - 2000	
ANNUAL TOTAL	171089		240465			
ANNUAL MEAN	469		657		527	
HIGHEST ANNUAL MEAN					833	1947
LOWEST ANNUAL MEAN					333	1941
HIGHEST DAILY MEAN	5240	Jan 25	4730	Feb 29	7970	Jan 9 1998
LOWEST DAILY MEAN	41	Sep 5	92	Sep 10	21	Aug 11 1985
ANNUAL SEVEN-DAY MINIMUM	47	Sep 2	107	Sep 6	34	Aug 28 1934
ANNUAL RUNOFF (CFSM)	1.92		2.69		2.16	
ANNUAL RUNOFF (INCHES)	26.08		36.66		29.35	
10 PERCENT EXCEEDS	902		1440		1180	
50 PERCENT EXCEEDS	330		391		325	
90 PERCENT EXCEEDS	68		170		99	

e Estimated

04262500 WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, NY--Continued



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

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY

LOCATION.--Lat 44°35'58", long 75°22'45", St. Lawrence County, Hydrologic Unit 04150302, on right bank 1.5 mi downstream from Beaver Creek, and 2.5 mi upstream from Heuvelton.
DRAINAGE AREA.--965 mi^2.
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 ft^3/s, Apr. 6, 1960, gage height, 10.36 ft; minimum, 99 ft^3/s, Aug. 4, 1991, gage height, 0.49 ft; minimum gage height, 0.47 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, about 9,600 ft^3/s, Mar. 1; maximum gage height, 7.07 ft, Mar. 2 (ice jam); minimum discharge, 401 ft^3/s, Sept. 10, gage height, 1.12 ft.

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	586	984	3680	e1000	816	e9200	5570	2270	1900	768	2830	620
2	585	907	2960	e1000	806	e9500	5090	2100	1710	740	3650	591
3	624	883	2440	e1400	790	e8200	4640	2030	1580	730	3320	574
4	526	942	2040	2470	e780	6430	4780	1970	1460	682	2820	558
5	502	927	1860	3790	e760	4800	5520	1770	1220	652	2570	562
6	526	828	2020	4270	e740	e3800	6440	1730	1200	697	2210	559
7	610	700	2130	4170	e720	e3300	7010	2160	1220	584	1870	578
8	668	836	2130	3550	e720	e3000	7090	2340	1400	525	1620	561
9	584	879	2030	2970	e720	e2900	7610	2480	1200	509	1630	478
10	537	811	1780	2670	e700	e3500	8090	3480	991	726	1460	418
11	541	793	1810	3260	e700	e3900	8220	5570	1240	1420	1350	493
12	503	946	e1700	3580	e690	4350	7800	7210	1100	2030	1210	544
13	505	1040	e1600	e2900	e660	4410	7130	8070	953	1880	1090	520
14	593	965	e1500	e2300	e640	3910	6520	8320	1010	1500	1400	618
15	706	901	e1400	e1900	e640	3520	6030	7830	1250	1160	1570	749
16	1160	852	e1400	e1700	e640	4010	5670	7060	1440	1290	1420	825
17	1290	876	e1400	e1600	e630	4630	5490	6040	1490	1510	1300	846
18	1250	827	e1500	e1400	e630	4720	5310	5280	1480	1430	1260	847
19	1390	815	e1500	e1300	e620	4430	4770	4930	1390	1230	1320	814
20	1360	772	e1400	e1200	e620	3940	3990	4880	1220	1170	1150	745
21	1530	771	e1500	e1100	e600	3500	3670	4650	1180	1030	1060	710
22	1240	758	e1500	e1000	580	2980	4310	3950	1250	947	907	706
23	1070	836	e1500	e960	579	2560	4840	3320	1150	673	831	645
24	1130	987	e1600	e920	792	2420	4980	3070	1090	606	863	860
25	1340	955	e1700	e900	1780	2400	4840	3300	1030	741	805	970
26	1900	1020	1690	e880	3260	2420	4390	3740	925	681	764	1150
27	1860	3100	1390	e840	5230	2360	3630	3950	859	564	739	1250
28	1640	4840	e1300	e780	6660	2660	2920	3710	834	613	763	1030
29	1370	5150	1220	e780	e7200	4200	3080	3560	936	718	725	986
30	1210	4610	1160	789	---	5250	2870	3150	990	1170	710	878
31	991	---	e1100	796	---	5750	---	2320	---	2030	639	---
TOTAL	30327	40511	53940	58175	40703	132950	162300	126240	36698	31006	45856	21685
MEAN	978	1350	1740	1877	1404	4289	5410	4072	1223	1000	1479	723
MAX	1900	5150	3680	4270	7200	9500	8220	8320	1900	2030	3650	1250
MIN	502	700	1100	780	579	2360	2870	1730	834	509	639	418

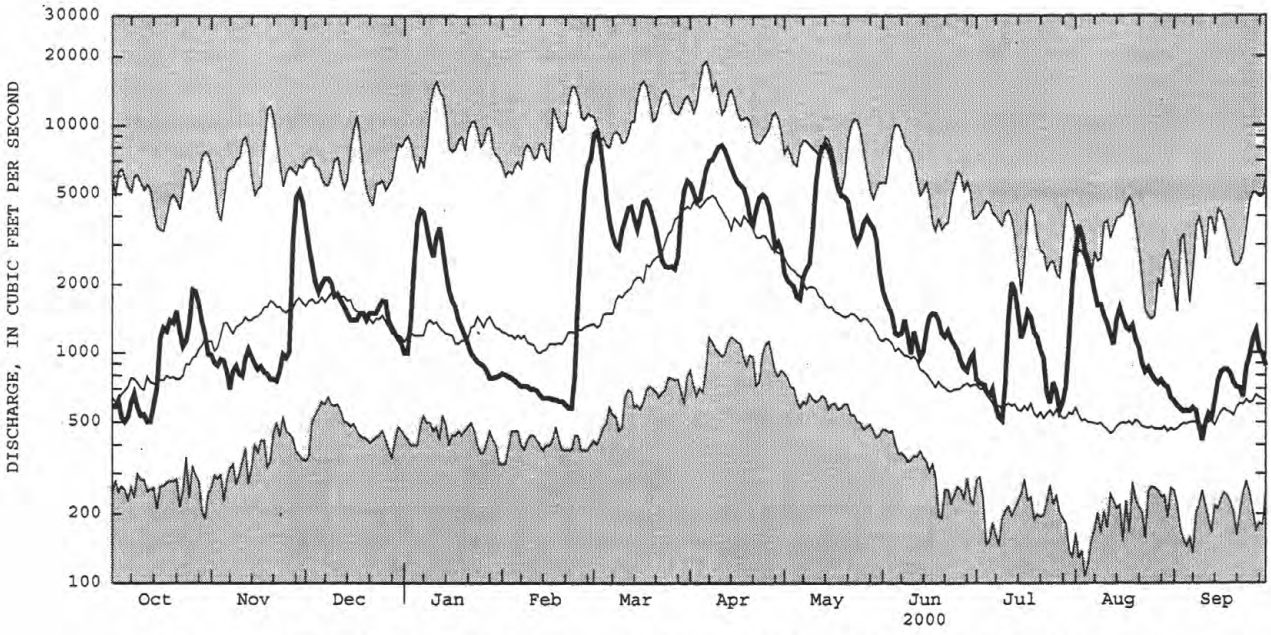
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2000, BY WATER YEAR (WY)

MEAN	1137	1780	1909	1846	1649	3122	4247	2146	1117	742	622	704
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1916 - 2000	
ANNUAL TOTAL	536574		780391			
ANNUAL MEAN	1470		2132		1751	
HIGHEST ANNUAL MEAN					2952	1947
LOWEST ANNUAL MEAN					1029	1931
HIGHEST DAILY MEAN	9830	Jan 28	9500	Mar 2	19200	Apr 6 1960
LOWEST DAILY MEAN	155	Sep 4	418	Sep 10	107	Aug 4 1991
ANNUAL SEVEN-DAY MINIMUM	200	Sep 2	513	Sep 7	133	Jul 30 1991
10 PERCENT EXCEEDS	3330		4900		4000	
50 PERCENT EXCEEDS	954		1310		1100	
90 PERCENT EXCEEDS	283		620		435	

e Estimated

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY--Continued



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

04264331 ST. LAWRENCE RIVER AT CORNWALL, ONTARIO--NEAR MASSENA, NY

LOCATION.--Lat 45°00'22", long 74°47'43", Stormont County, Ontario--St. Lawrence County, NY, Hydrologic Unit 04150301, at Robert Moses-Robert H. Saunders power dam on Lake St. Lawrence at the International Boundary at Cornwall, Ontario, 2.9 mi upstream from Grass River, 5.9 mi northeast of Massena, NY, and 6.2 mi upstream from Raquette River.
DRAINAGE AREA.--298,800 mi^2.
PERIOD OF RECORD.--June 1860 to September 1935 (monthly discharges only, published in WSP 1307), October 1935 to current year. Prior to October 1970 published as 04264000 "St. Lawrence River at Ogdensburg."
REVISED RECORDS.--WSP 1437: 1870, 1875, 1881, 1883, 1884, 1890.
GAGE.--There is no gage. Discharge is determined from summation of discharge through the Robert Moses-Robert H. Saunders power dam, the Long Sault Dam, the Massena Diversion, the Raisin River Diversion, the Cornwall and Massena municipal water supply, and the Cornwall and the Wiley-Dondero navigation canals. U.S.-Canada coordinated discharge figures supplied by Corps of Engineers. Prior to 1956, base gage at lock 25 at Iroquois Ont. with supplementary gages. August 1956 to June 1958, base gage at lock 24 between Iroquois and Morrisburg, Ont., and supplementary gages. Prior to August 1956, these were gages of the Canadian Hydrographic Service and from August 1956 to June 1958, were gages of the Hydro-Electric Power Commission of Ontario. Discharge in the reach of river at Cornwall, Ont., near Massena, NY is considered to be the same as discharge at Ogdensburg, NY when adjusted for storage in Lake St. Lawrence.
REMARKS.--Since July 1958, flow regulated by international agreement administered by International St. Lawrence River Board of Control under the International Joint Commission. Records do not include water diverted from Lake Michigan by Illinois and Michigan Canal during period of its operation prior to 1910 and by Chicago Sanitary and Ship Canal, which began operation in 1900. Records include water diverted into Lake Superior from Hudson Bay drainage by the Long Lake Project, which began operation in July 1939, and by the Ogoki project, which began operation in July 1943.
COOPERATION.--Records of daily discharge provided by Buffalo District, Corps of Engineers through International St. Lawrence River Board of Control.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 378,000 ft^3/s, May 20, 28, June 8, 1993; minimum daily, 139,000 ft^3/s, Feb. 7, 1936; maximum monthly discharge, 353,500 ft^3/s, May and June 1993; minimum monthly, 153,800 ft^3/s, Feb. 1936.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 296,000 ft^3/s, July 11-12; minimum daily, 184,000 ft^3/s, Mar. 11-12, 18-19.

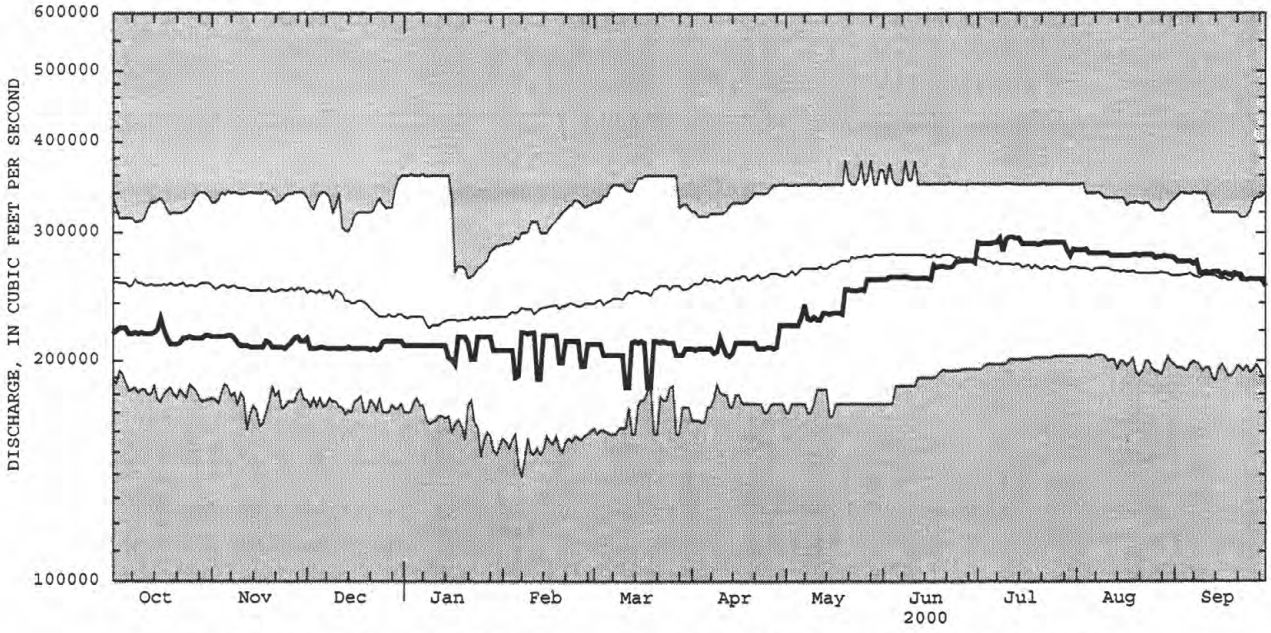
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	218000	216000	215000	210000	207000	211000	208000	224000	259000	291000	284000	277000
2	220000	216000	208000	210000	207000	211000	207000	224000	259000	290000	284000	274000
3	222000	216000	208000	210000	207000	211000	208000	224000	261000	290000	284000	274000
4	222000	216000	208000	210000	207000	204000	208000	224000	261000	290000	285000	274000
5	222000	216000	209000	210000	190000	204000	208000	224000	261000	290000	281000	274000
6	218000	217000	209000	210000	191000	204000	208000	230000	261000	291000	281000	274000
7	218000	217000	208000	210000	219000	204000	208000	239000	261000	291000	281000	272000
8	219000	215000	208000	210000	219000	204000	205000	229000	261000	295000	281000	274000
9	218000	212000	208000	210000	218000	204000	206000	228000	261000	283000	281000	264000
10	219000	210000	208000	210000	219000	204000	215000	230000	260000	294000	281000	264000
11	218000	210000	208000	210000	219000	184000	209000	228000	260000	296000	281000	265000
12	218000	210000	208000	210000	189000	184000	204000	228000	260000	296000	279000	264000
13	218000	209000	208000	210000	189000	212000	203000	233000	260000	295000	279000	265000
14	219000	209000	209000	210000	217000	213000	205000	233000	260000	295000	279000	265000
15	221000	209000	208000	202000	217000	212000	212000	232000	260000	290000	279000	265000
16	229000	209000	208000	201000	217000	213000	212000	233000	259000	290000	279000	262000
17	221000	209000	208000	198000	217000	212000	212000	233000	271000	290000	279000	264000
18	215000	213000	208000	216000	217000	184000	212000	233000	269000	290000	279000	263000
19	211000	212000	208000	216000	199000	184000	212000	232000	270000	290000	280000	262000
20	211000	209000	208000	216000	199000	213000	212000	251000	270000	289000	280000	264000
21	211000	209000	207000	212000	213000	213000	212000	251000	269000	290000	279000	263000
22	212000	209000	208000	201000	213000	212000	208000	250000	269000	291000	280000	263000
23	215000	209000	207000	201000	213000	213000	208000	250000	270000	291000	280000	259000
24	215000	208000	208000	216000	213000	212000	208000	250000	274000	291000	280000	258000
25	216000	210000	212000	216000	213000	212000	209000	251000	274000	291000	280000	259000
26	215000	212000	213000	216000	197000	212000	209000	250000	275000	291000	277000	259000
27	215000	215000	213000	216000	197000	204000	208000	259000	275000	291000	278000	259000
28	215000	216000	213000	216000	211000	204000	209000	259000	275000	291000	278000	259000
29	215000	213000	213000	207000	211000	204000	224000	259000	275000	284000	279000	258000
30	217000	213000	213000	207000	---	208000	224000	259000	273000	279000	278000	253000
31	217000	---	213000	207000	---	208000	---	259000	---	285000	278000	---
TOTAL	6740000	6364000	6490000	6504000	6045000	6374000	6293000	7409000	7973000	9001000	8684000	7950000
MEAN	217400	212100	209400	209800	208400	205600	209800	239000	265800	290400	280100	265000
MAX	229000	217000	215000	216000	219000	213000	224000	259000	275000	296000	285000	277000
MIN	211000	208000	207000	198000	189000	184000	203000	224000	259000	279000	277000	253000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2000, BY WATER YEAR (WY)

MEAN	250700	246800	241900	227200	235000	247200	257400	267500	272100	269100	263600	257900
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1936 - 2000	
ANNUAL TOTAL	81190000		85827000			
ANNUAL MEAN	222400		234500		253100	
HIGHEST ANNUAL MEAN					309300	1987
LOWEST ANNUAL MEAN					191800	1936
HIGHEST DAILY MEAN	246000	Mar 13	296000	Jul 11	378000	May 20 1993
LOWEST DAILY MEAN	194000	Jan 8	184000	Mar 11	139000	Feb 7 1936
ANNUAL SEVEN-DAY MINIMUM	198000	Jan 4	198000	Mar 6	148000	Feb 6 1936
10 PERCENT EXCEEDS	241000		281000		301000	
50 PERCENT EXCEEDS	221000		217000		253000	
90 PERCENT EXCEEDS	209000		207000		208000	



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

04266500 RAQUETTE RIVER AT PIERCEFIELD, NY

LOCATION.--Lat 44°14'05", long 74°34'20", St. Lawrence County, Hydrologic Unit 04150305, on left bank 0.5 mi downstream from powerplant at Piercefield, and 1.5 mi upstream from Dead Creek.
DRAINAGE AREA.--721 mi^2.
PERIOD OF RECORD.--August 1908 to current year.
REVISED RECORDS.--WSP 604: 1924. WSP 1387: 1910, 1913, 1914(M), 1916, 1921. WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. 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 ft^3/s, Apr. 27, 1993, gage height, 12.04 ft; maximum gage height, 12.25 ft, May 8, 1972; minimum discharge not determined.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 7,000 ft^3/s, May 1, 1900 (from New York State Museum Bulletin 85).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,940 ft^3/s, Apr. 11, gage height, 10.43 ft; minimum, 276 ft^3/s, Sept. 21, gage height, 3.21 ft.

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

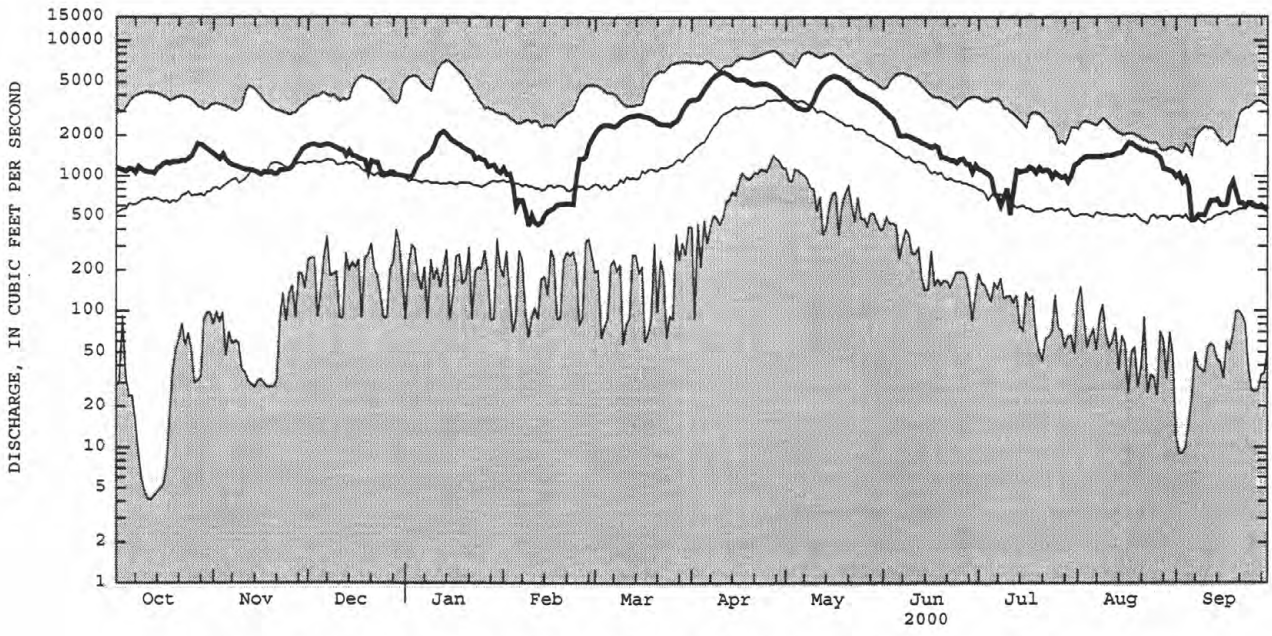
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	1480	1690	996	1150	2090	3690	3830	3100	1130	1240	991
2	1130	1410	1720	987	1030	2250	3710	3640	2950	1110	1320	1040
3	1110	1350	1730	1000	1040	2350	3760	3510	2780	1070	1370	903
4	1080	1460	1690	1120	863	2400	4050	3340	2660	1040	1400	971
5	1140	1320	1680	1260	587	2400	4430	3220	2330	970	1400	829
6	1120	1250	1710	1340	662	2370	4770	3180	2010	741	1400	469
7	1060	1210	1740	1390	661	2330	5130	3120	1990	699	1400	474
8	1180	1190	1710	1440	544	2390	5410	3140	2010	599	1400	513
9	1120	1170	1670	1510	427	2540	5660	3350	1980	692	1390	512
10	1090	1140	1630	1690	510	2630	5850	3670	1930	804	1430	510
11	1070	1120	1570	1950	451	2710	5910	4200	1880	514	1420	585
12	1070	1120	1560	2080	435	2780	5790	4610	1830	785	1430	656
13	1050	1110	1420	2150	451	2790	5630	4940	1770	1100	1460	657
14	1140	1090	1540	2040	506	2830	5400	5200	1730	1070	1480	670
15	1180	1060	1420	1900	545	2850	5220	5400	1680	1090	1500	611
16	1240	1030	1410	1820	558	2800	5210	5500	1630	1100	1630	607
17	1270	1080	1360	1770	579	2770	5220	5500	1690	1170	1770	615
18	1240	1060	1340	1710	610	2730	5190	5420	1640	1130	1750	813
19	1280	1080	1310	1640	616	2670	5030	5270	1380	1060	1680	912
20	1280	1040	1080	1590	618	2580	4850	5110	1380	1160	1630	749
21	1280	1040	1300	1540	624	2480	4800	4880	1350	1090	1560	630
22	1310	1110	1270	1500	623	2440	4830	4620	1310	1110	1570	631
23	1300	1110	1260	1340	617	2420	4870	4380	1310	1100	1530	588
24	1350	1120	1080	1380	973	2430	4870	4190	1260	974	1500	631
25	1410	1130	1040	1330	1340	2390	4850	4050	1330	1060	1490	631
26	1570	1190	1040	1310	1340	2510	4720	3960	1350	1010	1420	600
27	1740	1330	1070	1180	1400	2570	4600	3840	1240	976	1370	585
28	1720	1440	1070	1200	1720	2760	4420	3730	1230	997	1140	605
29	1660	1580	1030	1210	1900	3120	4200	3600	1070	906	1120	576
30	1590	1640	1020	1100	---	3380	3960	3450	1210	1000	1100	553
31	1530	---	1010	1060	---	3620	---	3290	---	1210	1070	---
TOTAL	39470	36460	43170	45533	23380	81380	146030	129140	53010	30467	44370	20117
MEAN	1273	1215	1393	1469	806	2625	4868	4166	1767	983	1431	671
MAX	1740	1640	1740	2150	1900	3620	5910	5500	3100	1210	1770	1040
MIN	1050	1030	1010	987	427	2090	3690	3120	1070	514	1070	469

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2000, BY WATER YEAR (WY)

MEAN	877	1178	1260	1115	944	1307	3148	2917	1304	749	593	611
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1908 - 2000	
ANNUAL TOTAL	419389		692527			
ANNUAL MEAN	1149		1892		1334	
HIGHEST ANNUAL MEAN					2030	1976
LOWEST ANNUAL MEAN					734	1965
HIGHEST DAILY MEAN	4070	Apr 11	5910	Apr 11	8500	Apr 27 1993
LOWEST DAILY MEAN	32	Sep 16	427	Feb 9	4.1	Oct 12 1947
ANNUAL SEVEN-DAY MINIMUM	58	Sep 7	475	Feb 8	4.6	Oct 10 1947
10 PERCENT EXCEEDS	2020		4250		2910	
50 PERCENT EXCEEDS	1050		1380		950	
90 PERCENT EXCEEDS	137		631		360	

04266500 RAQUETTE RIVER AT PIERCEFIELD, NY--Continued



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

04267500 RAQUETTE RIVER AT SOUTH COLTON, NY

LOCATION.--Lat 44°30'42", long 74°53'00", St. Lawrence County, Hydrologic Unit 04150305, on left bank 300 ft upstream from bridge on State Highway 56 at South Colton, 500 ft downstream from Orion Power New York powerplant, and 0.8 mi upstream from Cold Brook.
DRAINAGE AREA.--937 mi^2.
PERIOD OF RECORD.--January 1953 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 882.05 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair, and those below 800 ft^3/s, which are poor. Flow regulated 16 mi upstream by Carry Falls Reservoir since 1953; considerable natural storage in large lakes upstream from Piercefield. Large diurnal fluctuation caused by five powerplants upstream from gage. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,720 ft^3/s, May 11, 1971, gage height, 9.80 ft; minimum, 1.3 ft^3/s, Feb. 1, 1962, Aug. 8, 1964; minimum gage height, 1.38 ft, Nov. 16, 1994.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,260 ft^3/s, May 17, gage height, 9.04 ft; minimum, 15 ft^3/s, Aug. 30, gage height, 1.62 ft.

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	1470	1950	1420	504	1670	2200	4770	4580	3640	1470	1460	1890
2	1600	1970	1330	488	1740	2580	4730	4580	3630	1630	1520	1610
3	1550	1880	1620	406	1700	2660	4860	4480	3330	1490	1710	1810
4	1540	2090	1560	332	1560	2680	5250	3990	2970	1670	1850	1610
5	1560	2030	1500	347	1360	2670	5760	3680	2550	1520	1880	1430
6	1520	1990	1690	1190	1390	2640	5590	3640	2600	1330	2000	1750
7	1520	2070	1690	1370	1350	2870	6840	3710	2110	1550	1750	1580
8	1480	2250	1770	1490	1290	3090	7700	3900	2530	1630	1890	1410
9	1550	2010	1830	1560	1430	3000	7880	4130	2810	1540	1810	1200
10	1530	2030	1690	1480	1160	3190	7800	5960	2990	1680	1810	1370
11	1460	1990	1890	1570	1440	3000	7400	6680	2970	1570	1950	1290
12	1020	1750	1780	1740	1310	2990	7900	7150	2760	1360	1940	1190
13	1140	1590	1800	2930	1280	3120	7790	7240	2060	1440	1780	1070
14	1610	1750	1720	e2800	1320	3350	7400	6510	1930	1720	1510	931
15	1250	1570	1920	e2600	1410	3540	5950	5460	1960	1540	1740	1060
16	1490	1490	1670	e2800	1420	3510	5320	5780	2000	1420	1630	1230
17	1540	1730	1600	e2700	1170	3630	5810	7080	1750	1480	1630	1690
18	1420	1250	1560	e2500	1320	3610	5840	7060	1970	1520	1780	2030
19	1300	1730	1560	e1900	1300	3610	5610	7120	1300	1480	1760	1640
20	1430	1610	1500	e1600	1330	3580	4770	7170	1050	1530	1540	1310
21	1330	1550	1620	e1700	1340	3570	5080	6730	1290	1590	1750	1380
22	1470	1350	1540	e1600	1430	3630	5570	5690	1220	1570	1530	1070
23	1480	1380	1260	e1700	1350	3050	6440	4550	1430	1500	1720	1170
24	1540	1340	1460	e1700	1420	2760	6430	4160	1170	1590	1830	1000
25	1420	1410	1340	1810	1580	2470	6200	4170	1370	1470	2070	1070
26	1520	1370	1310	1670	1330	1920	5330	5010	1590	1700	2210	993
27	1470	1350	1500	1480	1250	1560	4930	4660	1290	1500	2140	1090
28	1630	1330	1060	1610	1060	2390	4910	4290	1480	1440	2030	1020
29	1940	1360	503	1570	1370	3170	4300	4220	1560	1510	2310	978
30	1910	1300	492	1650	---	3610	4580	3950	1640	1590	1850	910
31	1970	---	493	1550	---	4440	---	3850	---	1510	1870	---
TOTAL	46660	50470	45678	50347	40080	94090	178740	161180	62950	47540	56250	39782
MEAN	1505	1682	1473	1624	1382	3035	5958	5199	2098	1534	1815	1326
MAX	1970	2250	1920	2930	1740	4440	7900	7240	3640	1720	2310	2030
MIN	1020	1250	492	332	1060	1560	4300	3640	1050	1330	1460	910

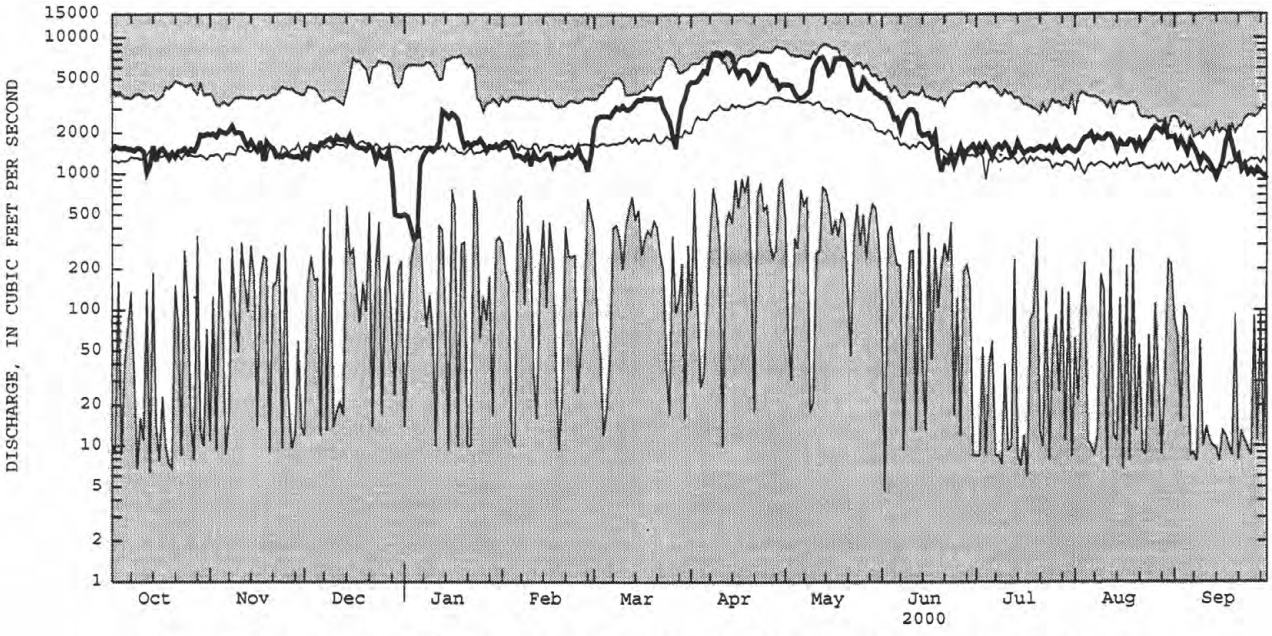
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2000, BY WATER YEAR (WY)

MEAN	1392	1628	1773	1715	1681	2047	3219	3148	1751	1283	1149	1109
MAX	3849	3248	4208	4138	3117	3985	5958	6260	3496	3356	2990	1816
(WY)	1978	1986	1984	1985	1996	1990	2000	1971	1972	1972	1986	1986
MIN	536	386	435	673	595	657	980	1041	656	462	535	557
(WY)	1997	1965	1965	1956	1961	1956	1995	1987	1962	1988	1985	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1953 - 2000	
ANNUAL TOTAL	530362		873767			
ANNUAL MEAN	1453		2387		1828	
HIGHEST ANNUAL MEAN					2661	1976
LOWEST ANNUAL MEAN					984	1965
HIGHEST DAILY MEAN	3630	Apr 10	7900	Apr 12	9060	May 14 1971
LOWEST DAILY MEAN	16	Sep 16	332	Jan 4	4.6	Jun 2 1954
ANNUAL SEVEN-DAY MINIMUM	440	Sep 10	437	Dec 30	239	Nov 1 1964
10 PERCENT EXCEEDS	2710		4950		3440	
50 PERCENT EXCEEDS	1440		1680		1540	
90 PERCENT EXCEEDS	511		1260		605	

e Estimated

04267500 RAQUETTE RIVER AT SOUTH COLTON, NY--Continued



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

04268000 RAQUETTE RIVER AT RAYMONDVILLE, NY

LOCATION.--Lat 44°50'20", long 74°58'45", St. Lawrence County, Hydrologic Unit 04150305, on right bank 250 ft upstream from bridge on Grant Road at Raymondville, 0.3 mi downstream from Trout Brook, 0.4 mi downstream from Orion Power New York powerplant, and 18.0 mi upstream from mouth.
DRAINAGE AREA.--1,125 mi^2.
PERIOD OF RECORD.--November 1943 to current year.
REVISED RECORDS.--WDR NY-82-1: Drainage area. WDR NY-85-1: 1983-84.
GAGE.--Water-stage recorder. 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 ft^3/s, Apr. 5, 1974, gage height, 8.40 ft; maximum gage height, 9.24 ft, Feb. 22, 1954 (ice jam); minimum discharge, 2.2 ft^3/s, Sept. 18, 19, 1966; minimum gage height, 0.42 ft, July 13, 1950.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,600 ft^3/s, Apr. 9, gage height, 7.72 ft; minimum, 80 ft^3/s, Sept. 5, gage height, 0.97 ft.

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	1720	2420	1760	377	e2100	2760	5260	5030	4090	2030	1890	2200
2	1720	2230	1670	674	e2100	3810	5420	4790	4070	1890	2290	1850
3	1690	2270	1760	776	e2100	3470	5650	5050	3970	1910	2160	1850
4	1720	2320	2110	963	e2000	e3100	6540	4680	3820	2050	2120	1930
5	1810	2370	2160	e1100	e1900	e3200	7420	4080	2410	1900	2260	2080
6	1880	2280	2140	e1300	e1700	3220	7010	4130	2420	1910	2180	1860
7	1840	2370	2150	2010	e1500	3330	7080	4110	3130	1880	2120	1700
8	1720	2480	2250	1970	e1500	3640	9110	4160	3070	1820	2110	1700
9	1660	2460	2260	1900	e1500	3890	11600	5730	2630	1820	2470	1500
10	1650	2210	2310	2040	e1600	4290	9620	7590	3380	1830	2580	1500
11	1680	1820	2450	2640	e1700	4010	9070	11200	3470	1860	2320	1630
12	1700	2210	2360	2550	e1700	3930	8990	8960	3350	1880	2370	1990
13	1370	1960	2270	e3000	e1600	3570	8780	8180	2470	1870	2310	2050
14	1970	1730	2270	e4000	e1600	3630	8910	8010	2400	1770	2210	2010
15	1820	1830	2280	e3800	e1800	4110	7740	6710	2400	1790	1760	2200
16	1950	1840	2370	e3500	e1700	4880	7410	5460	2260	1840	1950	2110
17	1930	1900	2290	e3500	e1600	4910	6620	7530	2040	1950	2030	1780
18	2080	1880	2090	e3300	e1700	4630	6470	8020	2100	1930	1990	1700
19	1960	1850	2010	e3000	e1600	4390	6430	8070	2070	1860	1960	1520
20	1750	1860	1940	e2200	e1600	4380	6010	7840	1660	1820	1940	1480
21	1790	1830	2290	e2100	e1700	4310	5760	7680	1480	1820	1910	1640
22	1760	1710	2190	e2000	e1800	4180	7330	7100	1640	1860	1890	1610
23	1870	1700	1610	e2100	e1700	3860	7400	5210	1530	1870	1820	1100
24	2100	1680	e1800	e2100	e1900	3290	7850	4710	1540	1810	1960	1510
25	2280	1650	e2000	e2000	e2200	3280	7280	4940	1610	1750	2370	1750
26	2390	1800	e1800	e2000	e2700	3040	6460	4810	1510	1770	2450	1670
27	2080	2840	e1900	e1900	e3700	2170	5290	5610	1780	1790	2430	1080
28	1680	2540	e1500	e2000	e4500	2720	5010	4980	1900	1770	2360	1190
29	2380	2150	e1000	e1900	4820	4420	5290	4580	1860	1630	2330	1410
30	2400	1960	e600	e2000	---	5190	5160	4500	1980	1830	2230	1150
31	2180	---	e500	e2000	---	5270	---	4360	---	1920	2250	---
TOTAL	58530	62150	60090	66700	59620	118880	213970	187810	74040	57430	67020	50750
MEAN	1888	2072	1938	2152	2056	3835	7132	6058	2468	1853	2162	1692
MAX	2400	2840	2450	4000	4820	5270	11600	11200	4090	2050	2580	2200
MIN	1370	1650	500	377	1500	2170	5010	4080	1480	1630	1760	1080

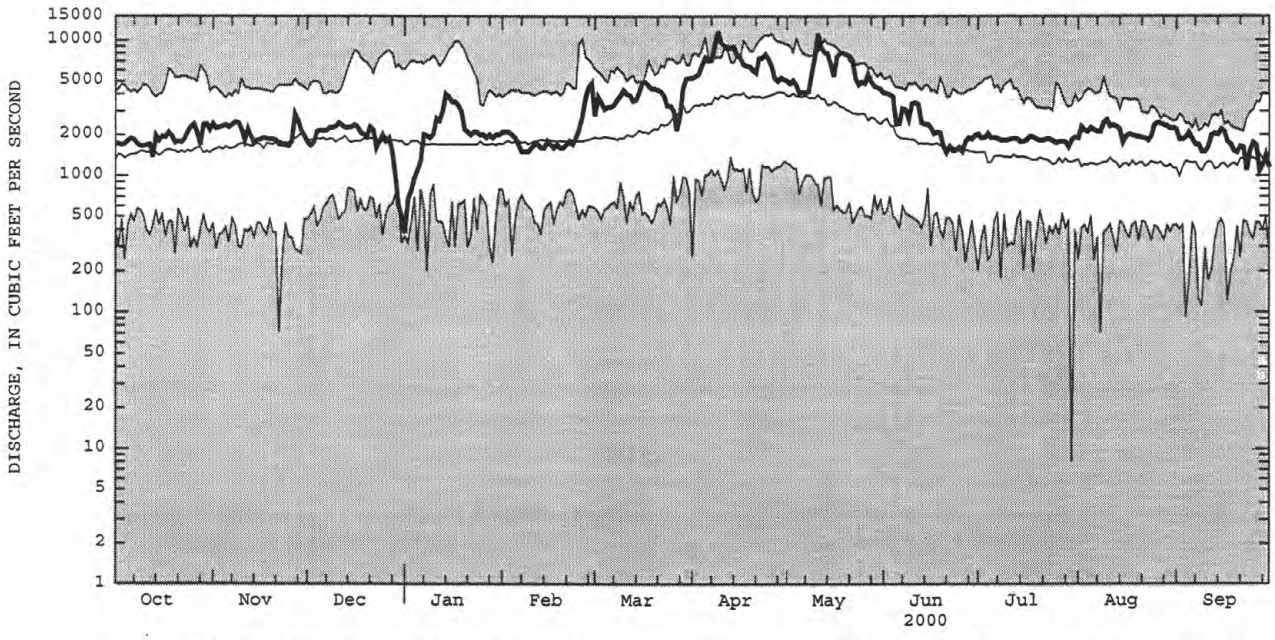
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)

MEAN	1610	1970	2110	2027	2026	2617	3975	3554	2001	1434	1281	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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1954 - 2000	
ANNUAL TOTAL	648771		1076990			
ANNUAL MEAN	1777		2943		2156	
HIGHEST ANNUAL MEAN					3022	1976
LOWEST ANNUAL MEAN					1148	1965
HIGHEST DAILY MEAN	4440	Apr 9	11600	Apr 9	11600	Apr 9 2000
LOWEST DAILY MEAN	328	Aug 20	377	Jan 1	8.1	Jul 30 1962
ANNUAL SEVEN-DAY MINIMUM	551	Aug 31	699	Dec 29	345	Nov 22 1953
10 PERCENT EXCEEDS	3200		5670		4030	
50 PERCENT EXCEEDS	1730		2100		1720	
90 PERCENT EXCEEDS	599		1610		847	

e Estimated

04268000 RAQUETTE RIVER AT RAYMONDVILLE, NY--Continued



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

04268800 WEST BRANCH ST. REGIS RIVER NEAR PARISHVILLE, NY

LOCATION.--Lat 44°35'55", long 74°44'15", St. Lawrence County, Hydrologic Unit 04150306, on right bank 25 ft upstream from highway bridge, 4.1 mi downstream from Mud Pond Outlet, 4.2 mi southeast of Parishville, and 4.8 mi upstream from Orion Power New York dam.
DRAINAGE AREA.--171 mi^2.
PERIOD OF RECORD.--October 1958 to September 1968, June 1991 to current year. Annual maximum, water years 1969-91.
GAGE.--Water-stage recorder. 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 ft^3/s, Dec. 29, 1984, gage height, 7.37 ft; maximum gage height, 7.51 ft, Feb. 25, 1985 (ice jam); minimum recorded discharge, 45 ft^3/s, Sept. 6, 1999, gage height, 0.87 ft, but may have been less during period of estimated record Jan. and Feb. 1991.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0400	ice jam	*5.34	Apr. 9	0945	2,070	4.03
Feb. 28	--	a2,700	ice jam	Apr. 16	1215	2,050	4.01
Mar. 29	1630	1,740	3.66	Apr. 22	1830	1,710	3.63
Apr. 5	1045	2,210	4.18	May 11	1115	*2,770	4.77

a About.

Minimum discharge, 77 ft^3/s, Sept. 10, 11, gage height, 1.09 ft.

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	199	215	e350	e140	e160	e1600	1010	517	315	257	238	90
2	190	209	e300	e150	e150	e1200	901	515	298	208	251	86
3	175	198	336	e300	e150	e1000	1090	489	284	233	249	86
4	195	196	400	e700	e150	e800	1700	447	265	489	231	96
5	257	192	502	e1000	e150	e560	2170	429	244	439	204	103
6	269	189	494	e800	e150	e490	1820	458	270	337	180	97
7	251	184	448	e700	e140	e430	1490	460	353	256	166	89
8	221	172	386	e600	e140	e410	1520	463	345	203	161	84
9	202	163	334	e500	e150	e470	1950	823	324	201	195	82
10	198	166	e300	e480	e150	e800	1520	1460	343	398	206	79
11	240	188	e310	e490	e140	e780	1510	2600	328	404	190	83
12	258	192	e310	e520	e140	e700	1240	2170	314	306	226	102
13	228	185	e300	e490	e140	e560	983	1600	282	218	222	231
14	377	195	e280	e400	e150	e500	884	1410	316	183	184	248
15	469	219	e260	e350	e150	e470	1130	1200	312	233	155	232
16	390	217	e270	e260	e140	e720	1940	966	315	262	187	264
17	342	193	e280	e250	e140	e800	1750	777	322	242	244	240
18	415	221	e230	e240	e150	e700	1370	723	299	206	237	192
19	434	206	e210	e230	e150	e600	1070	893	276	181	204	154
20	370	240	e200	e210	e150	e540	927	867	256	160	173	133
21	316	373	e210	e200	e140	e550	1030	777	236	143	150	133
22	273	435	e220	e190	e140	e570	1620	662	254	152	132	134
23	269	418	e230	e190	e170	e690	1590	573	235	165	130	127
24	595	377	e230	e190	e250	813	1340	562	200	158	148	222
25	714	331	e200	e180	e1000	863	1090	672	177	146	148	279
26	552	371	e170	e170	e1900	945	897	693	164	128	129	228
27	436	820	e150	e170	e2300	901	782	606	223	117	117	179
28	354	813	e150	e160	e2500	1090	691	516	287	156	110	194
29	297	643	e140	e160	e2200	1690	618	444	248	270	104	190
30	257	e500	e140	e160	---	1610	567	386	258	324	97	164
31	234	---	e140	e160	---	1290	---	340	---	277	95	---
TOTAL	9977	9021	8480	10740	13540	25142	38200	25498	8343	7452	5463	4621
MEAN	322	301	274	346	467	811	1273	823	278	240	176	154
MAX	714	820	502	1000	2500	1690	2170	2600	353	489	251	279
MIN	175	163	140	140	140	410	567	340	164	117	95	79
CFSM	1.88	1.76	1.60	2.03	2.73	4.74	7.45	4.81	1.63	1.41	1.03	.90
IN.	2.17	1.96	1.84	2.34	2.95	5.47	8.31	5.55	1.81	1.62	1.19	1.01

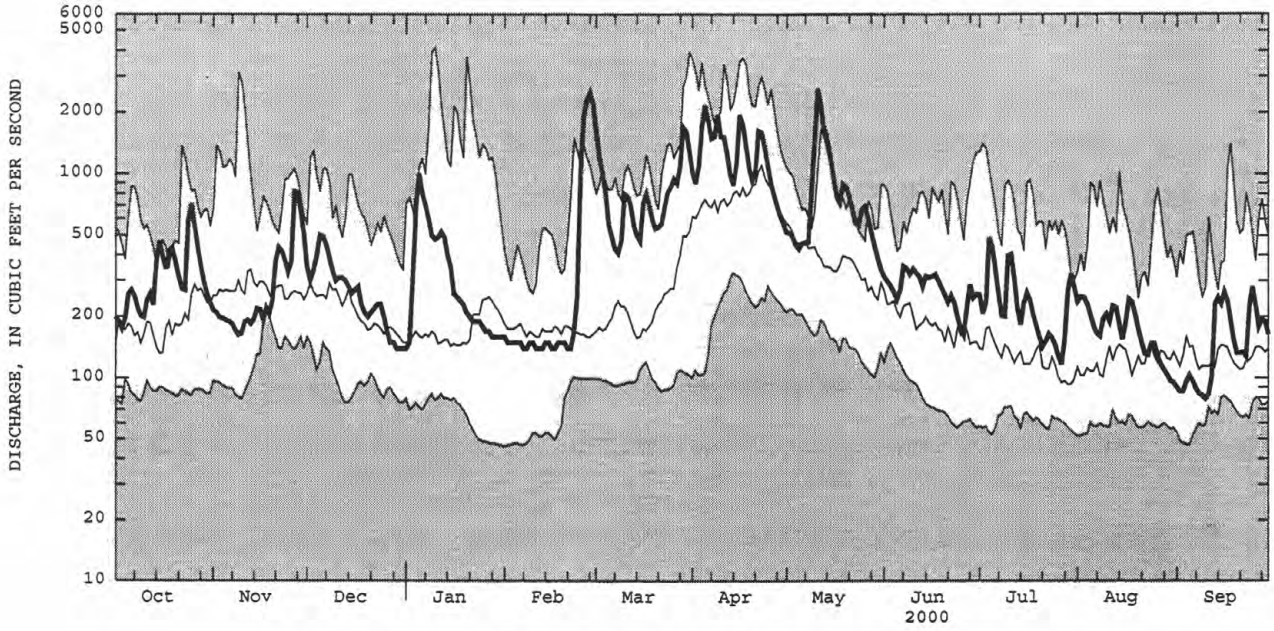
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

MEAN	242	334	261	296	225	374	964	436	248	185	170	165
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

e Estimated

04268800 WEST BRANCH ST. REGIS RIVER NEAR PARISHVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1959 - 2000	
ANNUAL TOTAL	103289		166477			
ANNUAL MEAN	283		455		326	
HIGHEST ANNUAL MEAN					455	2000
LOWEST ANNUAL MEAN					198	1965
HIGHEST DAILY MEAN	1910	Apr 4	2600	May 11	4140	Jan 10 1998
LOWEST DAILY MEAN	47	Sep 4	79	Sep 10	46	Feb 1 1961
ANNUAL SEVEN-DAY MINIMUM	51	Aug 31	88	Sep 6	47	Jan 28 1961
ANNUAL RUNOFF (CFSM)	1.65		2.66		1.91	
ANNUAL RUNOFF (INCHES)	22.47		36.22		25.92	
10 PERCENT EXCEEDS	561		1020		662	
50 PERCENT EXCEEDS	201		263		210	
90 PERCENT EXCEEDS	72		140		92	



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

04269000 ST. REGIS RIVER AT BRASHER CENTER, NY

LOCATION.--Lat 44°51'49", long 74°46'45", St. Lawrence County, Hydrologic Unit 04150306, on left bank 600 ft upstream from highway bridge at Brasher Center, and 6.5 mi downstream from West Branch.
DRAINAGE AREA.--612 mi^2.
PERIOD OF RECORD.--August 1910 to October 1917, November 1917 to December 1918 (monthly discharges only, published in WSP 1307), January 1919 to September 1996, October 1996 to September 1997 (annual maximum only), October 1997 to current year.
REVISED RECORDS.--WSP 1387: 1910-16, 1917(M). WDR NY-82-1: Drainage area.
GAGE.--Water-stage recorder. 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 ft^3/s, Apr. 6, 1937, gage height, 12.82 ft; maximum gage height, about 15.3 ft, Apr. 6, 1937 (ice jam); minimum discharge observed, about 34 ft^3/s, Aug. 8, 1917, gage height, 5.25 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	2215	7,840	10.06	Apr. 16	1715	6,350	9.48
Apr. 5	0645	6,060	9.36	May 11	0730	*9,320	*10.60
Apr. 9	0545	6,980	9.73				

Minimum discharge, 236 ft^3/s, Sept. 7, 11, gage height, 5.88 ft.

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

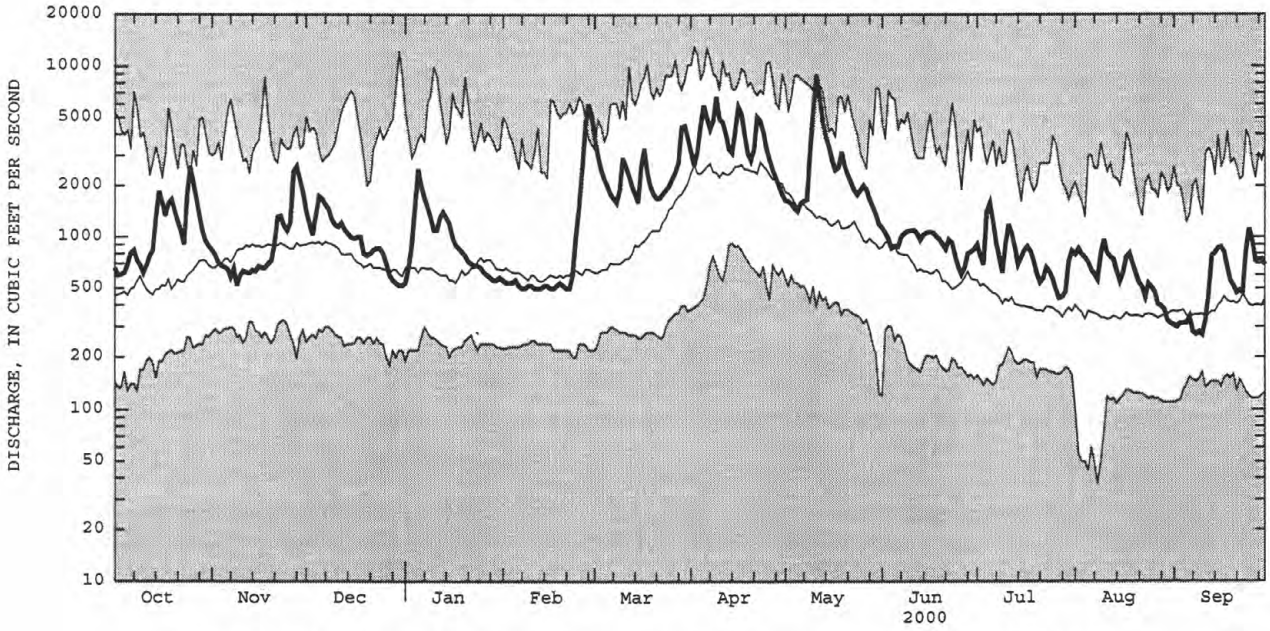
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	657	839	1430	e540	e560	e3800	3140	1650	1140	902	791	307
2	597	788	1200	e660	e540	e3000	2630	1630	1060	780	852	300
3	602	710	1030	e900	e540	e2500	3190	1580	975	687	792	314
4	617	680	1350	e1500	e540	e2200	4520	1480	862	1410	757	315
5	691	669	1740	e2500	e560	e2000	5910	1420	887	1580	712	316
6	803	650	1680	e2000	e520	e1800	5010	1580	879	1240	644	342
7	836	584	1550	e1700	e500	e1700	4330	1630	999	930	605	281
8	731	653	1460	e1500	e500	e1600	4840	1660	1050	763	564	272
9	684	521	1270	e1300	e520	e1900	6660	3200	1080	616	788	281
10	618	590	1180	e1100	e520	e2900	4940	5490	1090	910	963	270
11	682	633	1150	e1100	e500	e2600	4710	8960	1100	1180	808	328
12	775	621	1210	e1300	e500	e2300	4040	6680	1050	1050	766	457
13	836	614	1110	e1400	e500	e2000	3280	4780	962	863	739	773
14	1310	638	1050	e1300	e520	e1800	3120	3910	1030	690	628	806
15	1860	630	e1000	e1200	e520	e1600	4210	3420	1060	756	549	859
16	1600	674	e980	e1000	e500	e2600	5780	2830	1070	836	621	873
17	1340	661	e1000	e900	e500	e3300	5260	2480	1060	879	763	815
18	1580	660	e1000	e860	e520	e2400	4010	2560	1010	822	798	665
19	1660	697	e800	e820	e540	e2000	3110	3140	968	729	698	554
20	1430	725	e780	e780	e520	e1800	2830	2620	910	611	608	518
21	1230	902	e800	e720	e500	e1700	3270	2310	851	543	540	472
22	1080	1310	e840	e700	e500	e1700	5050	2090	960	573	508	486
23	905	1330	e860	e680	e600	e1800	4810	1890	923	661	446	472
24	1780	1170	e860	e680	e1000	e1900	4130	1780	775	626	532	824
25	2600	1090	e800	e660	e1500	e2000	3300	1890	668	567	508	1120
26	2100	1210	e700	e620	e2500	e2200	2830	2010	604	492	474	953
27	1680	2420	e600	e600	e4500	e2400	2470	1900	659	440	404	732
28	1330	2590	e560	e580	e6000	2740	2220	1660	797	445	395	735
29	1080	2170	e540	e560	e5200	4420	2010	1510	818	479	377	742
30	944	1830	e520	e560	---	4480	1790	1360	847	721	327	686
31	885	---	e520	e580	---	3790	---	1190	---	827	314	---
TOTAL	35523	29259	31570	31300	32720	74930	117400	82290	28144	24608	19271	16868
MEAN	1146	975	1018	1010	1128	2417	3913	2655	938	794	622	562
MAX	2600	2590	1740	2500	6000	4480	6660	8960	1140	1580	963	1120
MIN	597	521	520	540	500	1600	1790	1190	604	440	314	270
CFSM	1.87	1.59	1.66	1.65	1.84	3.95	6.39	4.34	1.53	1.30	1.02	.92
IN.	2.16	1.78	1.92	1.90	1.99	4.55	7.14	5.00	1.71	1.50	1.17	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2000, BY WATER YEAR (WY)

MEAN	763	1005	974	898	771	1515	2818	1552	833	548	476	531
MAX	2203	2467	2674	2678	2268	3434	5576	4512	2848	1486	1564	1541
(WY)	1978	1928	1984	1913	1981	1913	1993	1971	1947	1998	1986	1981
MIN	296	374	367	273	304	337	996	495	247	225	129	155
(WY)	1965	1931	1961	1931	1931	1941	1995	1941	1941	1941	1934	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1910 - 2000	
ANNUAL TOTAL	330266		523883			
ANNUAL MEAN	905		1431		1057	
HIGHEST ANNUAL MEAN					1884	1947
LOWEST ANNUAL MEAN					581	1941
HIGHEST DAILY MEAN	5310	Apr 4	8960	May 11	13000	Apr 2 1916
LOWEST DAILY MEAN	165	Sep 3	270	Sep 10	37	Aug 8 1917
ANNUAL SEVEN-DAY MINIMUM	177	Aug 31	297	Sep 4	49	Aug 3 1917
ANNUAL RUNOFF (CFSM)	1.48		2.34		1.73	
ANNUAL RUNOFF (INCHES)	20.07		31.84		23.46	
10 PERCENT EXCEEDS	1770		3140		2240	
50 PERCENT EXCEEDS	654		908		690	
90 PERCENT EXCEEDS	254		508		290	

e Estimated



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

04270000 SALMON RIVER AT CHASM FALLS, NY

LOCATION.--Lat 44°45'22", long 74°13'09", Franklin County, Hydrologic Unit 04150307, on right bank 0.1 mi downstream from Orion Power New York powerplant at Chasm Falls, and 3.0 mi downstream from Duane Stream.
DRAINAGE AREA.--132 mi^2.
PERIOD OF RECORD.--July 1925 to September 1982, October 1986 to current year.
REVISED RECORDS.--WSP 729: 1931 (m). WSP 759: Drainage area.
GAGE.--Water-stage recorder. 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 ft^3/s, Apr. 1, 1998, gage height, 5.43 ft; minimum, 9.8 ft^3/s, Sept. 26, 27, 1963.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 29, 1984, reached a stage of 5.63 ft, from floodmarks, discharge, 3,700 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,240 ft^3/s, May 11, gage height, 4.42 ft; minimum, 24 ft^3/s, June 8, gage height, 0.50 ft.

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

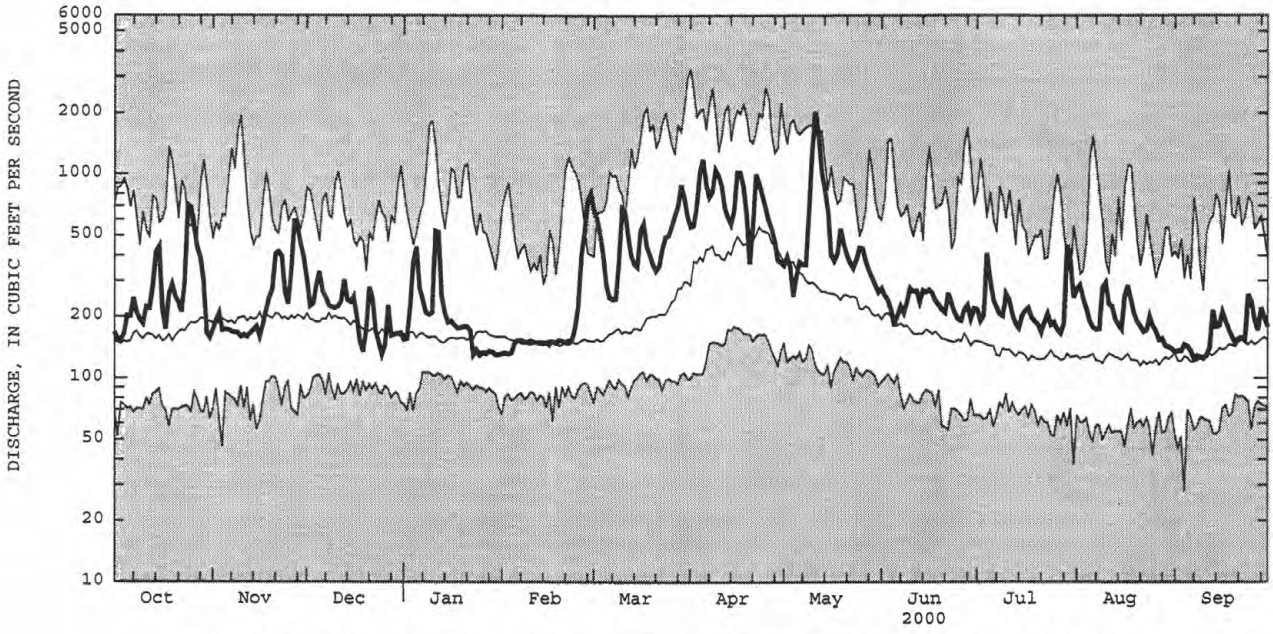
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	168	173	304	155	132	665	552	359	276	218	274	134
2	156	192	226	156	133	604	559	394	255	191	286	136
3	154	208	232	226	132	506	705	354	242	202	246	136
4	165	172	287	373	133	403	1030	253	216	409	219	146
5	202	174	332	438	148	287	1180	315	181	307	190	143
6	201	173	266	276	154	250	895	371	203	244	178	136
7	247	169	249	242	154	244	774	362	225	223	173	125
8	210	168	228	210	151	245	819	361	209	206	174	129
9	193	167	223	205	150	363	1050	670	237	202	278	127
10	185	160	221	210	153	678	988	1300	277	259	293	125
11	224	163	225	526	150	652	873	2030	267	243	231	129
12	221	160	239	519	150	492	684	1550	269	205	225	141
13	282	166	304	252	150	399	614	1020	238	185	195	215
14	413	172	242	210	150	364	569	840	270	176	183	179
15	440	179	237	188	149	352	664	664	265	202	174	180
16	219	160	251	191	151	527	1020	404	272	214	252	210
17	174	182	202	183	151	571	1020	378	261	221	285	190
18	258	214	152	177	149	444	866	407	240	198	241	173
19	287	248	135	177	154	402	637	538	230	190	207	160
20	252	273	173	179	152	364	366	457	217	183	189	148
21	234	405	279	179	150	337	554	402	210	168	180	156
22	211	416	249	172	149	355	1000	370	261	188	169	158
23	302	396	171	131	153	428	905	348	234	206	172	153
24	704	265	150	138	175	491	790	381	209	183	200	257
25	688	232	131	130	224	499	688	435	195	188	180	238
26	540	339	145	134	397	552	593	433	192	173	170	193
27	436	599	227	132	517	625	540	375	217	166	154	172
28	391	552	162	136	746	696	470	340	228	186	156	221
29	300	452	164	135	804	882	380	312	196	448	144	198
30	167	390	166	131	---	767	371	287	220	377	142	179
31	158	---	167	131	---	623	---	265	---	249	139	---
TOTAL	8782	7719	6739	6642	6261	15067	22156	16975	7012	7010	6299	4987
MEAN	283	257	217	214	216	486	739	548	234	226	203	166
MAX	704	599	332	526	804	882	1180	2030	277	448	293	257
MIN	154	160	131	130	132	244	366	253	181	166	139	125

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2000, BY WATER YEAR (WY)

MEAN	195	219	203	196	168	276	548	335	202	158	148	158
MAX	540	446	401	502	409	637	890	948	540	393	350	322
(WY)	1978	1928	1928	1998	1981	1976	1960	1971	1947	1947	1981	1981
MIN	98.4	93.5	106	101	90.7	102	206	129	89.8	79.3	65.4	87.0
(WY)	1958	1935	1935	1961	1936	1940	1995	1941	1941	1941	1934	1941

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1925 - 2000	
ANNUAL TOTAL	82663		115649			
ANNUAL MEAN	226		316		234	
HIGHEST ANNUAL MEAN					364	1947
LOWEST ANNUAL MEAN					152	1965
HIGHEST DAILY MEAN	1120	Apr 5	2030	May 11	3280	Apr 1 1998
LOWEST DAILY MEAN	82	Sep 6	125	Sep 7	28	Sep 4 1934
ANNUAL SEVEN-DAY MINIMUM	87	Sep 1	130	Sep 6	55	Aug 5 1941
10 PERCENT EXCEEDS	404		629		414	
50 PERCENT EXCEEDS	174		226		175	
90 PERCENT EXCEEDS	110		150		104	

04270000 SALMON RIVER AT CHASM FALLS, NY--Continued



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

04271500 GREAT CHAZY RIVER AT PERRY MILLS, NY

LOCATION.--Lat 45°00'00", long 73°30'05", Clinton County, Hydrologic Unit 02010006, on left bank 500 ft upstream from highway bridge at Perry Mills, and 7.5 mi upstream from Corbeau Creek.
DRAINAGE AREA.--243 mi^2.
PERIOD OF RECORD.--September 1928 to September 1968, March 1990 to current year. Water years 1985, 1987-89 (annual maximum only).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 164.93 ft above 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 ft^3/s, significant undetermined amounts of flow bypass the gage. Records prior to October 1968 affected by diurnal fluctuation at low and medium flow by sawmill immediately upstream. Occasional regulation by Chazy Lake (usable capacity, about 765 mil ft^3) from which the Clinton Correctional Facility at Dannemora (Saranac River basin) obtains its water supply (about 1 ft^3/s). Several measurements of water temperature were made during the year. Satellite and telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,700 ft^3/s, Nov. 9, 1996, gage height, 12.24 ft; maximum gage height, 12.91 ft, Feb. 28, 2000 (ice jam), from floodmark in gage well; minimum discharge, about 0.8 ft^3/s, Sept. 18, 1932; minimum gage height, 1.22 ft, Sept. 6, 14, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0900	ice jam	a*12.91	Apr. 9	1245	3,000	7.02
Feb. 28	1600	b*6,700	ice jam	Apr. 16	0730	3,090	7.12
Mar. 10	0815	2,660	6.65	May 11	1515	3,370	7.40

a From floodmark in gage well.
b About.

Minimum discharge, 36 ft^3/s, Sept. 23, gage height, 1.50 ft.

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	137	250	e370	e170	e150	e3200	737	411	227	183	107	53
2	149	237	e330	e180	e150	1900	674	472	211	164	173	51
3	105	238	330	e220	e150	1170	851	461	194	133	132	52
4	107	221	437	e440	e140	e700	1750	393	171	306	106	55
5	172	200	515	e680	e130	e540	2060	479	158	345	92	63
6	206	189	462	e640	e130	e500	1240	557	154	255	79	54
7	231	172	431	e560	e120	e500	1070	608	169	174	76	47
8	196	143	349	e500	e120	e520	1430	590	165	138	77	43
9	165	131	288	e460	e120	e800	2710	1660	169	118	101	41
10	155	132	266	e450	e130	2400	1870	3130	196	121	224	39
11	175	130	289	e1000	e130	1440	1680	3200	344	133	151	39
12	218	125	289	e1100	e120	881	1270	2320	537	116	116	44
13	179	125	277	e800	e120	e600	1050	1390	353	99	101	55
14	352	130	262	e500	e110	506	1010	1500	275	89	89	75
15	661	e140	e250	e370	e110	545	1920	1010	258	123	83	68
16	457	e160	e240	e310	e110	1590	2890	689	269	168	104	67
17	343	e170	e220	e270	e110	1770	1980	517	279	322	209	64
18	363	184	e200	e240	e110	890	1230	529	255	445	159	56
19	503	197	e190	e220	e110	685	887	939	223	303	122	49
20	401	312	e190	e210	e120	619	714	705	196	189	105	44
21	328	670	e180	e190	e120	612	859	542	166	143	90	41
22	282	710	e190	e180	e120	683	2280	468	218	145	82	41
23	345	575	e200	e180	e120	728	1820	459	267	153	80	38
24	1120	474	e200	e170	e130	862	2170	556	203	139	89	59
25	981	385	e200	e160	e150	843	1820	765	163	117	90	98
26	617	394	e190	e150	e210	924	1030	700	151	103	78	76
27	467	892	e190	e150	e2500	865	818	542	157	93	68	58
28	381	856	e190	e150	e4700	941	690	440	192	88	62	64
29	330	623	e180	e140	e5000	1720	539	345	151	87	62	78
30	299	493	e180	e140	---	1230	461	280	137	101	57	65
31	273	---	e170	e140	---	890	---	248	---	114	55	---
TOTAL	10698	9658	8255	11070	15540	32054	41510	26905	6608	5207	3219	1677
MEAN	345	322	266	357	536	1034	1384	868	220	168	104	55.9
MAX	1120	892	515	1100	5000	3200	2890	3200	537	445	224	98
MIN	105	125	170	140	110	500	461	248	137	87	55	38

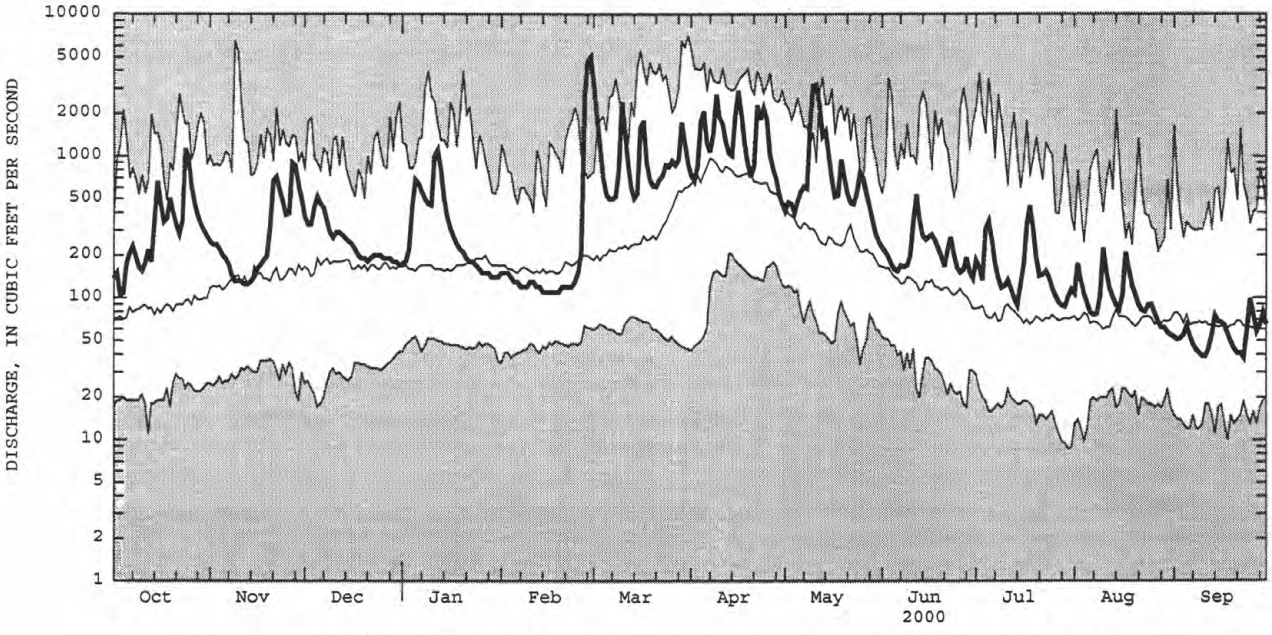
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2000, BY WATER YEAR (WY)

MEAN	148	218	204	258	213	506	938	385	197	127	89.9	86.3
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1928 - 2000	
ANNUAL TOTAL	98300		172401			
ANNUAL MEAN	269		471		280	
HIGHEST ANNUAL MEAN					514	1947
LOWEST ANNUAL MEAN					97.2	1965
HIGHEST DAILY MEAN	2500	Mar 23	5000	Feb 29	7090	Mar 31 1998
LOWEST DAILY MEAN	11	Sep 14	38	Sep 23	8.7	Jul 30 1991
ANNUAL SEVEN-DAY MINIMUM	14	Aug 31	44	Sep 6	11	Jul 26 1991
10 PERCENT EXCEEDS	638		1080		635	
50 PERCENT EXCEEDS	170		214		140	
90 PERCENT EXCEEDS	31		78		45	

e Estimated

04271500 GREAT CHAZY RIVER AT PERRY MILLS, NY--Continued



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

04271815 LITTLE CHAZY RIVER NEAR CHAZY, NY

LOCATION.--Lat 44°54'08", long 73°24'56", Clinton County, Hydrologic Unit 02010006, on right bank at downstream side of bridge on Stetson Road, 0.2 mi upstream from abandoned dam, 1.4 mi northeast of Chazy, and 2.2 mi upstream from mouth.
DRAINAGE AREA.--50.3 mi^2.
PERIOD OF RECORD.--March 1990 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 115 ft above 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 ft^3/s, Nov. 10, 1996, gage height, 10.40 ft, outside gage height was 11.12 ft, from crest-stage gage; minimum, 0.42 ft^3/s, Sept. 7, 8, 1991; minimum gage height, 1.36 ft, several days during August and September, 1991.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 10	1945	*730	*4.62	No other peak greater than base discharge.			

Minimum discharge, 3.8 ft^3/s, Sept. 12, gage height, 1.66 ft.

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	15	31	53	14	e12	e480	230	153	48	20	9.8	4.6
2	13	29	43	16	e12	389	204	162	44	19	11	4.5
3	12	29	43	18	e12	307	228	151	41	17	11	4.5
4	13	27	46	e35	e12	262	404	125	37	26	9.8	4.5
5	19	25	50	e70	e11	213	454	129	32	43	8.6	4.4
6	23	23	49	e44	e11	e190	379	132	30	35	7.8	4.4
7	24	21	45	e38	e11	182	306	133	31	26	7.6	4.4
8	21	20	41	e34	e11	174	348	130	30	20	8.5	4.4
9	19	19	37	32	e10	259	447	309	30	17	11	4.3
10	17	18	e35	42	e10	442	437	522	32	17	15	4.2
11	18	18	e33	172	e10	458	418	593	45	18	14	4.2
12	17	17	e31	181	e10	e330	408	493	89	17	14	4.1
13	16	17	e30	108	e10	e250	367	405	65	15	12	4.6
14	25	18	e29	e56	e9.8	175	358	379	48	14	10	4.1
15	66	18	e28	e32	e9.7	167	428	306	44	12	8.9	7.7
16	68	20	e27	e25	e9.6	266	466	254	43	12	11	8.7
17	47	20	e26	e21	e9.7	349	443	202	43	18	13	8.3
18	41	20	e25	e18	e9.9	261	374	182	36	203	14	7.0
19	38	22	e25	e17	e9.9	193	314	233	32	208	14	6.5
20	37	29	e24	e16	e10	171	270	207	29	100	11	6.1
21	38	35	e30	e16	e10	170	278	172	35	55	9.1	5.6
22	31	41	e40	e15	e11	201	390	151	37	46	7.9	4.6
23	39	39	e34	e14	e11	243	409	135	35	42	7.6	4.4
24	125	35	e26	e14	e12	291	406	144	32	68	8.4	6.5
25	148	31	e20	e14	e13	298	405	189	25	44	8.1	7.0
26	110	38	e19	e13	e40	281	387	170	20	16	6.9	6.4
27	74	121	e17	e13	e300	254	300	134	26	5.8	6.1	5.7
28	51	147	16	e13	e540	258	243	104	25	12	5.6	6.0
29	43	114	14	e12	e500	366	212	83	22	12	5.2	6.2
30	38	78	e14	e12	---	340	180	67	19	11	4.9	6.2
31	35	---	e14	e12	---	273	---	53	---	10	4.7	---
TOTAL	1281	1120	964	1137	1647.6	8493	10493	6602	1105	1178.8	296.5	164.1
MEAN	41.3	37.3	31.1	36.7	56.8	274	350	213	36.8	38.0	9.56	5.47
MAX	148	147	53	181	540	480	466	593	89	208	15	8.7
MIN	12	17	14	12	9.6	167	180	53	19	5.8	4.7	4.1
CFSM	.82	.74	.62	.73	1.13	5.45	6.95	4.23	.73	.76	.19	.11
IN.	.95	.83	.71	.84	1.22	6.28	7.76	4.88	.82	.87	.22	.12

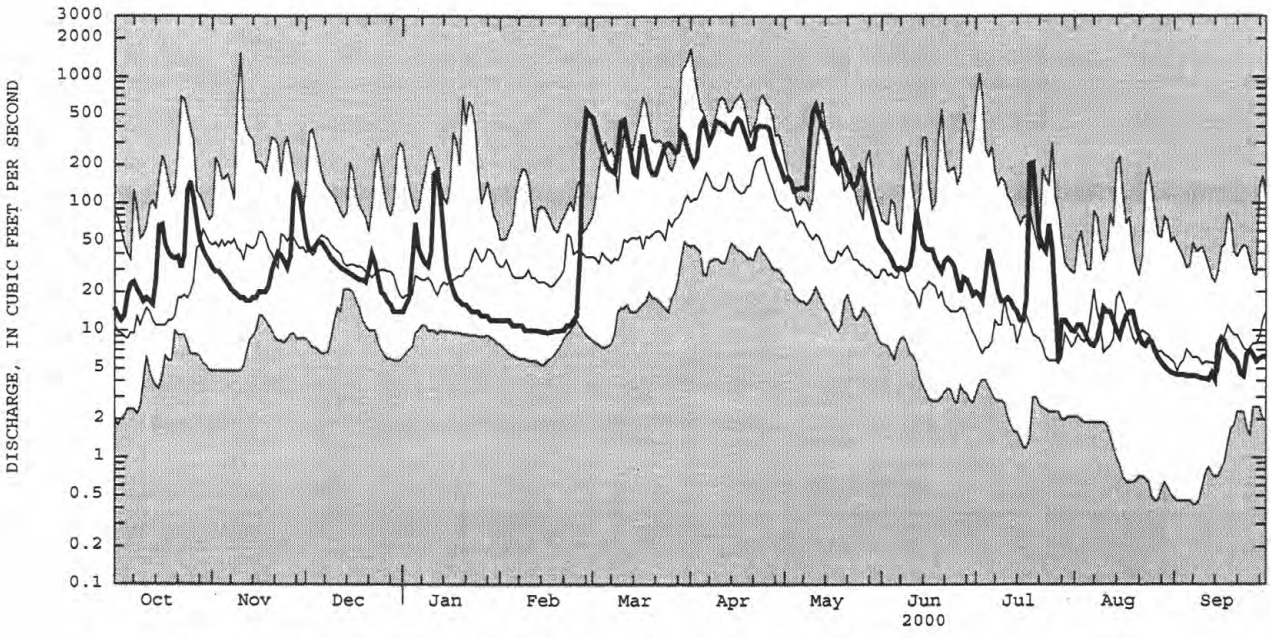
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	44.7	72.9	46.4	54.5	37.8	115	209	77.5	43.2	35.2	17.9	11.8
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	12010.44		34482.0			
ANNUAL MEAN	32.9		94.2		62.9	
HIGHEST ANNUAL MEAN					95.8	1998
LOWEST ANNUAL MEAN					28.1	1992
HIGHEST DAILY MEAN	272	Mar 23	593	May 11	1670	Apr 1 1998
LOWEST DAILY MEAN	.94	Sep 7	4.1	Sep 12	.43	Sep 7 1991
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 3	4.3	Sep 8	.45	Sep 2 1991
ANNUAL RUNOFF (CFSM)	.65		1.87		1.25	
ANNUAL RUNOFF (INCHES)	8.88		25.50		16.99	
10 PERCENT EXCEEDS	78		308		160	
50 PERCENT EXCEEDS	19		30		29	
90 PERCENT EXCEEDS	2.1		7.7		4.8	

e Estimated

04271815 LITTLE CHAZY RIVER NEAR CHAZY, NY--Continued



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

04273500 SARANAC RIVER AT PLATTSBURGH, NY

LOCATION.--Lat 44°40'54", long 73°28'18", Clinton County, Hydrologic Unit 02010006, on right bank at Plattsburgh, 600 ft downstream from Imperial Paper and Color Corp. dam, 3.0 mi upstream from mouth, and 5.5 mi downstream from Mead Brook.
DRAINAGE AREA.--608 mi^2.
PERIOD OF RECORD.--March 1903 to September 1930, October 1943 to current year. Published as "near Plattsburgh," 1903-30.
REVISED RECORDS.--WSP 345: Drainage area. WSP 384: 1909-10 (monthly discharge only). WSP 1387: 1907-8. WSP 1437: 1908 (minimum daily only).
GAGE.--Water-stage recorder. 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 ft^3/s from Saranac River and Mead and West Brooks, tributaries upstream from station, for municipal supply. About 1 ft^3/s diverted from Great Chazy River basin into Saranac River for water supply of State Institutions at Dannemora. 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 ft^3/s, Nov. 9, 1996, gage height, 12.11 ft; minimum discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,350 ft^3/s, Apr. 9, gage height, 8.21 ft; minimum, 107 ft^3/s, Sept. 20, gage height, 2.24 ft.

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	794	869	1000	e470	e580	2270	2330	2050	1470	808	638	416
2	734	844	927	e500	e540	2110	2250	2100	1420	798	688	413
3	728	576	979	e680	e500	2050	2500	1960	1350	823	701	424
4	699	508	996	e900	e520	1800	4120	1900	1130	1160	688	449
5	616	485	1080	e1000	e520	1640	4450	1840	1230	925	755	408
6	679	504	1050	e940	e500	1450	3500	1910	1100	804	618	397
7	669	622	1000	e860	e520	1350	3310	1940	1040	655	517	417
8	611	707	978	e840	e500	1280	3420	1840	1060	588	576	426
9	688	744	889	934	e520	1580	5400	3060	1050	542	624	418
10	714	739	852	963	e490	2790	4200	5360	1080	761	635	420
11	828	752	892	1110	e490	2110	3780	5380	1100	748	554	602
12	788	741	853	1220	e500	1860	3400	4260	1220	695	615	602
13	727	740	839	1090	e490	1610	3200	3660	1110	741	582	521
14	925	763	819	889	e500	1510	3090	3720	1060	655	558	481
15	1100	742	831	800	e520	1450	3380	3310	1080	665	581	493
16	981	739	847	803	e520	1780	4520	2830	1160	789	641	514
17	900	715	852	e660	e520	1980	3820	2530	1010	814	679	493
18	943	752	766	e540	e540	1660	3340	2410	1010	833	718	527
19	973	691	625	e600	e560	1520	2940	2770	1070	717	738	594
20	958	689	753	e620	e520	1460	2770	2490	983	639	660	321
21	884	918	1040	e560	e520	1430	3020	2330	1070	621	626	517
22	831	972	943	e520	e540	1470	4120	2110	827	598	561	479
23	919	949	788	e460	e560	1820	3800	2010	852	621	614	461
24	1230	856	693	e420	e660	2090	3980	2120	631	564	579	493
25	1280	758	623	e500	e880	2160	3510	2190	599	544	567	491
26	1180	860	718	e520	e1300	2180	2910	2020	690	433	507	460
27	1110	1390	715	e520	e1200	2080	2620	1860	751	533	498	476
28	1020	1270	e600	e500	e1800	2640	2390	1740	710	534	488	515
29	974	1110	e540	e520	2500	3690	2260	1670	693	559	480	513
30	914	1080	e480	e540	---	2840	2150	1570	758	620	521	411
31	888	---	e490	e580	---	2510	---	1540	---	533	470	---
TOTAL	27285	24085	25458	22059	20310	60170	100480	78480	30314	21320	18677	14152
MEAN	880	803	821	712	700	1941	3349	2532	1010	688	602	472
MAX	1280	1390	1080	1220	2500	3690	5400	5380	1470	1160	755	602
MIN	611	485	480	420	490	1280	2150	1540	599	433	470	321

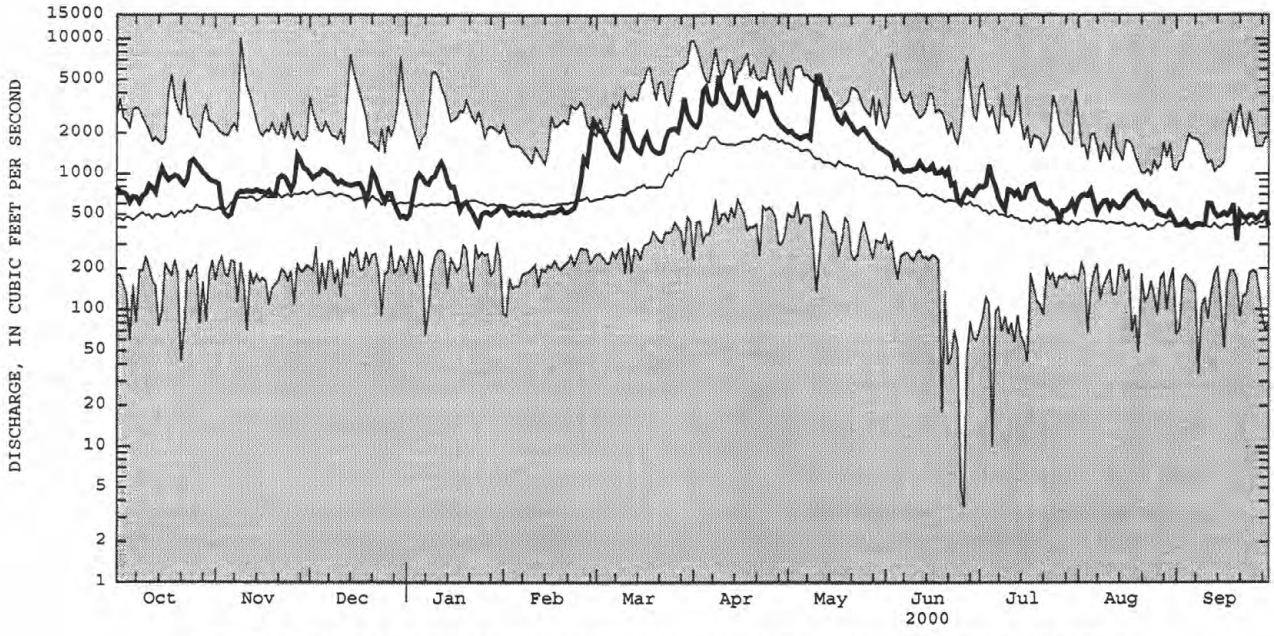
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2000, BY WATER YEAR (WY)

MEAN	625	738	732	700	661	1099	1996	1379	802	568	476	491
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1903 - 2000	
ANNUAL TOTAL	276934		442790			
ANNUAL MEAN	759		1210		856	
HIGHEST ANNUAL MEAN					1458	1947
LOWEST ANNUAL MEAN					460	1965
HIGHEST DAILY MEAN	3600	Apr 4	5400	Apr 9	10200	Nov 9 1996
LOWEST DAILY MEAN	232	Sep 3	321	Sep 20	3.6	Jun 26 1979
ANNUAL SEVEN-DAY MINIMUM	244	Aug 31	418	Sep 1	38	Jun 21 1979
10 PERCENT EXCEEDS	1280		2630		1640	
50 PERCENT EXCEEDS	700		821		640	
90 PERCENT EXCEEDS	281		500		325	

e Estimated

04273500 SARANAC RIVER AT PLATTSBURGH, NY--Continued



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

04273700 SALMON RIVER AT SOUTH PLATTSBURGH, NY

LOCATION.--Lat 44°38'24", long 73°29'43", Clinton County, Hydrologic Unit 02010004, on left bank 32 ft upstream from bridge on Salmon River Road, 0.4 mi west of State Highway 22, and 3.9 mi upstream from mouth, at South Plattsburgh.
DRAINAGE AREA.--63.3 mi^2.
PERIOD OF RECORD.--May 1959 to September 1968 (no winter records prior to October 1965), March 1990 to current year. Occasional low-flow measurements, water years 1954, 1957-58. Annual maximum, water years 1969-86.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 220.53 ft above 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 ft^3/s, Nov. 9, 1996, gage height, 7.56 ft, from floodmark in gage well; minimum discharge, 3.0 ft^3/s, Sept. 17, 1967.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1245	ice jam	a*5.83	Apr. 9	0730	868	3.90
Feb. 28	1845	*1,750	5.19	Apr. 16	0715	738	3.66
Mar. 9	2400	509	3.18	Apr. 21	2345	676	3.54
Mar. 28	2215	618	3.42	May 9	2200	1,660	5.07
Apr. 4	1200	791	3.76	May 14	0345	566	3.31

a Recorded; outside gage height was 6.97 ft, from crest-stage gage.

Minimum discharge, 15 ft^3/s, Sept. 23, gage height, 0.56 ft.

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	38	33	e38	e30	e25	e540	135	95	58	41	47	18
2	28	32	e39	e38	e25	e350	124	107	56	33	55	19
3	25	35	40	e64	e25	338	183	90	51	34	36	20
4	54	33	49	e100	e24	230	631	81	46	65	31	22
5	77	30	51	e110	e23	201	443	90	46	47	25	20
6	65	29	47	e86	e22	186	217	103	53	35	23	18
7	57	28	47	e80	e22	161	192	119	73	31	25	17
8	47	28	42	e75	e22	e140	273	98	57	29	26	17
9	42	28	39	e72	e22	e250	736	776	63	28	28	19
10	38	29	36	e75	e23	344	417	1060	76	44	27	17
11	39	30	38	e120	e23	161	293	969	75	41	23	17
12	37	28	37	e80	e23	e100	228	419	80	33	33	19
13	34	29	36	e70	e22	e80	203	285	64	29	27	25
14	65	31	35	e60	e22	e74	238	474	88	27	23	21
15	70	34	e35	e50	e21	e74	385	235	74	27	23	24
16	53	33	e35	e47	e22	e80	626	161	101	49	27	24
17	45	31	e34	e45	e23	e82	333	136	72	69	26	20
18	50	31	e33	e42	e24	89	204	137	55	76	22	19
19	50	32	e32	e39	e24	92	157	161	54	43	21	18
20	45	35	e31	e36	e25	103	137	125	47	34	20	19
21	41	38	e32	e34	e26	128	303	113	41	31	19	17
22	37	38	e33	e31	e28	147	570	104	43	34	19	16
23	65	38	e34	e29	e28	172	486	96	38	35	22	17
24	95	35	e35	e28	e30	199	535	150	34	30	30	23
25	67	32	e36	e27	e34	179	311	139	33	27	23	22
26	53	46	e35	e26	e60	176	190	116	32	25	20	19
27	45	88	e33	e25	e300	154	154	91	41	24	19	18
28	40	72	e29	e26	e1000	338	138	78	42	24	20	23
29	41	56	e28	e26	e900	438	119	72	32	24	18	22
30	35	47	e28	e27	---	223	105	65	43	40	18	20
31	34	---	e28	e27	---	163	---	58	---	28	18	---
TOTAL	1512	1109	1125	1625	2868	5992	9066	6803	1668	1137	794	590
MEAN	48.8	37.0	36.3	52.4	98.9	193	302	219	55.6	36.7	25.6	19.7
MAX	95	88	51	120	1000	540	736	1060	101	76	55	25
MIN	25	28	28	25	21	74	105	58	32	24	18	16
CFSM	.77	.58	.57	.83	1.56	3.05	4.77	3.47	.88	.58	.40	.31
IN.	.89	.65	.66	.95	1.69	3.52	5.33	4.00	.98	.67	.47	.35

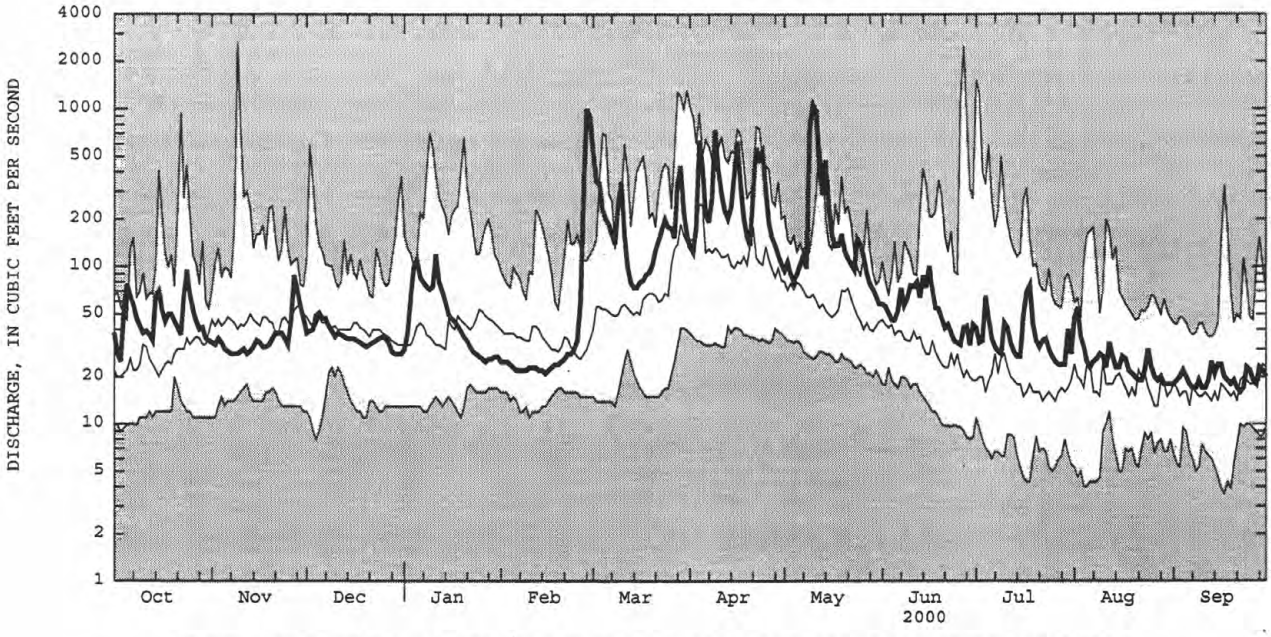
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	41.0	59.7	47.2	59.8	46.5	118	178	80.0	56.2	40.3	25.6	21.8
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

e Estimated

04273700 SALMON RIVER AT SOUTH PLATTSBURGH, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	16375		34289			
ANNUAL MEAN	44.9		93.7		64.2	
HIGHEST ANNUAL MEAN					121	1998
LOWEST ANNUAL MEAN					28.0	1967
HIGHEST DAILY MEAN	356	Apr 4	1060	May 10	2640	Nov 9 1996
LOWEST DAILY MEAN	10	Sep 5	16	Sep 22	3.6	Sep 17 1967
ANNUAL SEVEN-DAY MINIMUM	11	Aug 31	18	Sep 6	4.5	Sep 14 1967
ANNUAL RUNOFF (CFSM)	.71		1.48		1.01	
ANNUAL RUNOFF (INCHES)	9.62		20.15		13.79	
10 PERCENT EXCEEDS	73		208		127	
50 PERCENT EXCEEDS	32		39		37	
90 PERCENT EXCEEDS	14		22		13	



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

04273800 LITTLE AUSABLE RIVER NEAR VALCOUR, NY

LOCATION.--Lat 44°35'39", long 73°29'48", Clinton County, Hydrologic Unit 02010004, on left bank at upstream side of bridge on Fuller Road, 2.8 mi southwest of Valcour, and 2.9 mi upstream from mouth.
DRAINAGE AREA.--67.8 mi^2.
PERIOD OF RECORD.--Occasional low-flow measurements, water years 1956-1961, 1966, 1973-1974. October 1991 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 260 ft above 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 ft^3/s, June 27. 1998, gage height, 13.78 ft, outside gage height was about 14.6 ft, from floodmark, from rating curve extended above 3,300 ft^3/s on basis of peak flow from contracted-opening measurement at site 0.4 mi upstream; minimum discharge, 1.4 ft^3/s, July 23, 1999, gage height, 0.95 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	unknown	ice jam	a*5.49	May 9	2200	*1,760	4.86

a From crest-stage gage.

Minimum discharge, 9.1 ft^3/s, Sept. 10, 11, gage height, 1.14 ft.

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	35	33	e50	e30	e23	289	150	102	56	32	69	13
2	34	32	e46	e37	e22	e200	133	102	52	29	55	21
3	27	35	40	e57	e21	e140	173	98	48	28	41	19
4	48	35	49	e110	e20	e120	465	93	43	44	35	18
5	73	33	53	e92	e21	e100	470	93	41	47	30	17
6	85	32	51	e75	e20	e98	281	98	46	37	26	15
7	87	30	50	e62	e20	e99	219	107	66	30	26	14
8	72	29	45	e50	e19	e100	244	118	69	28	24	15
9	49	28	40	e42	e19	143	537	664	74	25	22	12
10	39	28	37	e43	e20	218	432	808	81	41	20	11
11	37	29	38	e60	e20	174	345	782	83	46	18	11
12	34	29	37	e110	e19	e140	286	488	84	35	23	11
13	31	30	37	e70	e18	e110	246	279	78	26	23	17
14	45	32	36	e52	e18	e90	275	504	87	21	19	18
15	53	32	e36	e42	e18	e85	381	276	81	21	20	21
16	52	32	e36	e37	e19	e95	462	175	96	40	23	22
17	50	30	e35	e33	e20	e100	336	138	93	73	24	18
18	50	30	e34	e32	e21	e100	222	124	80	88	21	17
19	45	30	e33	e30	e20	e110	173	139	67	75	19	15
20	41	31	e31	e29	e21	e120	144	122	54	49	17	14
21	38	35	e31	e28	e22	132	221	107	45	33	14	14
22	36	36	e30	e26	e22	144	391	96	41	32	13	11
23	55	35	e32	e26	e24	162	404	91	36	31	14	11
24	75	35	e34	e25	e28	174	480	111	32	28	20	14
25	85	35	e36	e24	e32	163	361	113	30	24	18	15
26	75	50	e34	e24	e60	155	246	111	28	21	15	14
27	61	80	e31	e23	e270	145	184	96	45	18	15	13
28	61	87	e28	e22	e700	223	153	83	43	18	14	16
29	50	77	e27	e22	462	373	127	75	35	17	13	17
30	38	63	e28	e22	---	284	111	67	34	26	13	15
31	35	---	e27	e23	---	193	---	61	---	55	15	---
TOTAL	1596	1153	1152	1358	2019	4779	8652	6321	1748	1118	719	459
MEAN	51.5	38.4	37.2	43.8	69.6	154	288	204	58.3	36.1	23.2	15.3
MAX	87	87	53	110	700	373	537	808	96	88	69	22
MIN	27	28	27	22	18	85	111	61	28	17	13	11
CFSM	.76	.57	.55	.65	1.03	2.27	4.25	3.01	.86	.53	.34	.23
IN.	.88	.63	.63	.75	1.11	2.62	4.75	3.47	.96	.61	.39	.25

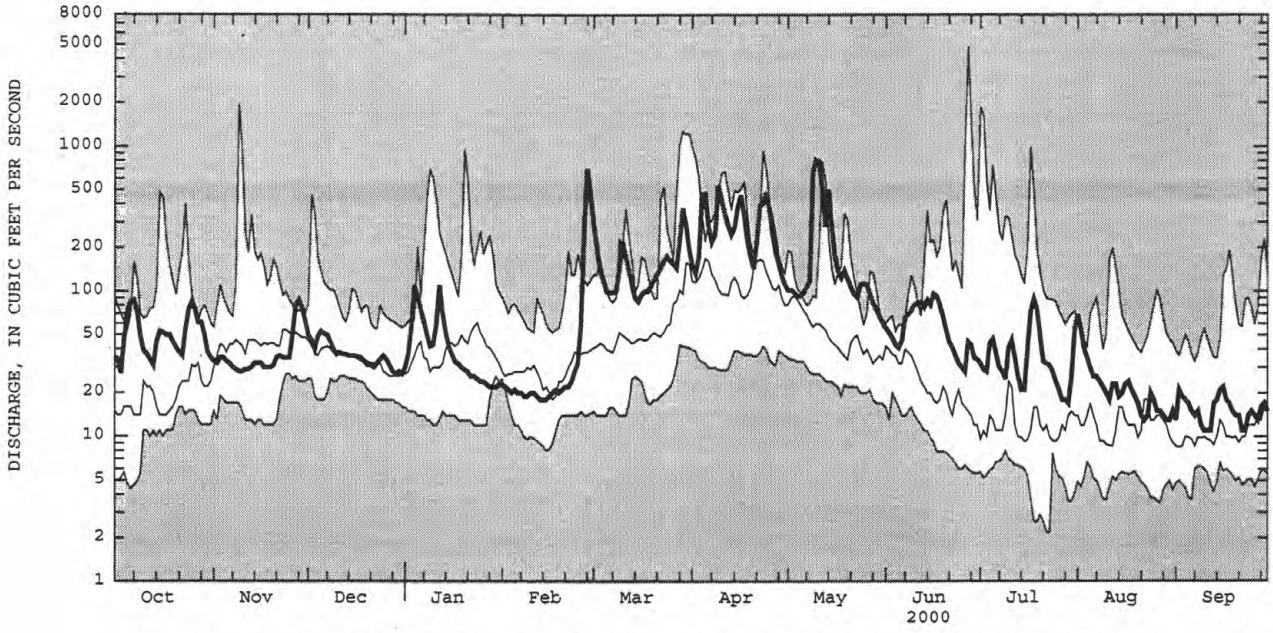
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

MEAN	38.1	59.8	41.7	64.1	40.7	101	175	79.4	70.9	54.4	20.5	20.2
MAX	103	171	103	147	69.6	251	329	204	370	333	66.0	64.1
(WY)	1999	1997	1997	1998	2000	1998	1993	2000	1998	1998	1998	1998
MIN	11.2	23.0	27.7	15.5	15.1	41.6	36.9	26.5	12.1	8.21	7.65	6.58
(WY)	1995	1992	1994	1994	1992	1994	1995	1995	1999	1992	1992	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	16435.4		31074			
ANNUAL MEAN	45.0		84.9		63.8	
HIGHEST ANNUAL MEAN					136	1998
LOWEST ANNUAL MEAN					26.3	1995
HIGHEST DAILY MEAN	526	Mar 23	808	May 10	4850	Jun 27 1998
LOWEST DAILY MEAN	2.2	Jul 22	11	Sep 10	2.2	Jul 22 1999
ANNUAL SEVEN-DAY MINIMUM	2.7	Jul 17	13	Sep 6	2.7	Jul 17 1999
ANNUAL RUNOFF (CFSM)	.66		1.25		.94	
ANNUAL RUNOFF (INCHES)	9.02		17.05		12.79	
10 PERCENT EXCEEDS	81		205		124	
50 PERCENT EXCEEDS	33		38		33	
90 PERCENT EXCEEDS	8.0		18		9.3	

e Estimated

04273800 LITTLE AUSABLE RIVER NEAR VALCOUR, NY--Continued



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

04275500 AUSABLE RIVER NEAR AU SABLE FORKS, NY

LOCATION.--Lat 44°27'05", long 73°38'35", Clinton County, Hydrologic Unit 02010004, on left bank 1.8 mi downstream from confluence of East and West Branches, and 1.8 mi east of Au Sable Forks.
DRAINAGE AREA.--446 mi^2.
PERIOD OF RECORD.--August 1910 to September 1968, March 1990 to current year. Prior to October 1924, published as "at Au Sable Forks". Monthly discharge only for winter periods during 1911 and 1913 water years, published in WSP 1307.
REVISED RECORDS.--WSP 1307: 1911-19 (M), 1922-24 (M).
GAGE.--Water-stage recorder. Datum of gage is 505.65 ft above 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 ft^3/s, Nov. 9, 1996, gage height, 13.83 ft, from rating curve extended above 13,000 ft^3/s on basis of runoff comparison of peak flow from contracted-opening measurement at site 3.9 mi downstream; maximum gage height, at least 14.5 ft, 200 ft upstream from gage, Mar. 13, 1990 (ice jam); minimum discharge, practically no flow July 21, 1912, result of unusual regulation.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 23, 1990 (ice jam), reached a stage of 14.5 ft, from floodmark 200 ft upstream from gage.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 28	1900	9,030	7.35	Apr. 9	0645	6,530	6.36
Apr. 4	1500	*9,060	*7.36	May 11	0400	6,810	6.48

Minimum discharge, 158 ft^3/s, Sept. 10, 11, 12, gage height, 1.35 ft.

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	1220	630	644	e340	e280	1580	1290	1380	598	425	582	174
2	748	544	580	e430	e270	1250	1200	1540	538	349	710	183
3	559	598	594	e580	e270	921	1690	1560	520	309	621	290
4	540	593	628	e1000	e270	722	6390	1410	485	351	503	287
5	643	482	685	e1800	e260	672	4720	2260	489	325	396	270
6	720	440	687	1100	e260	559	2530	2680	580	286	329	218
7	753	435	679	856	e250	526	2060	2560	1030	255	298	194
8	630	401	606	634	e250	572	1880	2550	830	234	288	179
9	691	387	526	541	e250	1250	5120	4690	692	244	275	168
10	1150	396	499	e480	e250	3570	3050	4240	697	497	272	164
11	901	488	507	e440	e250	1830	2280	5790	658	570	282	158
12	752	463	452	e410	e250	1270	1750	3380	696	410	832	160
13	600	438	448	e390	e240	884	1440	2580	613	323	618	222
14	678	429	430	e370	e230	738	1410	4530	760	281	429	287
15	862	449	431	e360	e230	699	2340	2780	658	262	360	275
16	742	440	468	e350	e220	e740	4460	1930	861	810	405	391
17	662	393	e450	e340	e220	e760	2920	1500	771	1170	564	337
18	654	395	e400	e330	e210	e720	1960	1460	622	699	526	263
19	665	382	e370	e330	e210	e700	1570	2530	578	495	412	223
20	588	416	685	e320	e220	e660	1430	1750	529	388	339	199
21	569	727	973	e310	e220	695	2860	1410	460	329	299	179
22	480	804	835	e310	e220	816	4440	1200	447	369	248	177
23	974	779	655	e300	e230	953	3910	1050	466	425	251	172
24	1710	715	e500	e290	e240	1160	3500	1480	435	373	291	189
25	1330	643	e460	e280	e500	1230	2560	1910	372	314	294	268
26	985	754	e440	e280	e2500	1550	2000	1650	364	274	253	250
27	818	2930	e420	e270	e3600	1340	1660	1270	461	258	231	215
28	716	1850	e400	e270	e2500	4290	1420	1020	513	257	216	217
29	623	1200	e380	e270	2570	4620	1340	883	393	297	196	217
30	564	875	e370	e270	---	2370	1500	771	417	599	184	206
31	626	---	e350	e280	---	1660	---	661	---	492	179	---
TOTAL	24153	20476	16552	14531	17470	41307	76680	66405	17533	12670	11683	6732
MEAN	779	683	534	469	602	1332	2556	2142	584	409	377	224
MAX	1710	2930	973	1800	3600	4620	6390	5790	1030	1170	832	391
MIN	480	382	350	270	210	526	1200	661	364	234	179	158
CFSM	1.75	1.53	1.20	1.05	1.35	2.99	5.73	4.80	1.31	.92	.85	.50
IN.	2.01	1.71	1.38	1.21	1.46	3.45	6.40	5.54	1.46	1.06	.97	.56

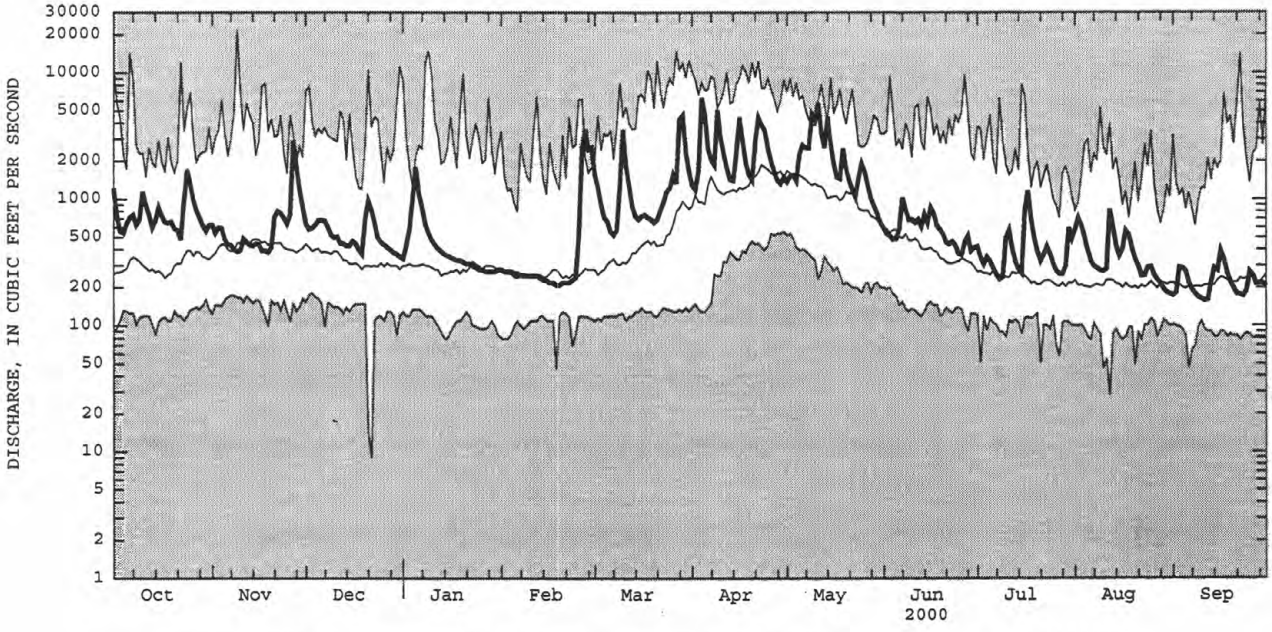
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2000, BY WATER YEAR (WY)

MEAN	500	613	520	460	360	858	1878	1388	614	360	288	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

04275500 AUSABLE RIVER NEAR AU SABLE FORKS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1910 - 2000	
ANNUAL TOTAL	251284		326192			
ANNUAL MEAN	688		891		683	
HIGHEST ANNUAL MEAN					1087	1947
LOWEST ANNUAL MEAN					380	1965
HIGHEST DAILY MEAN	6890	Sep 17	6390	Apr 4	22000	Nov 9 1996
LOWEST DAILY MEAN	107	Sep 4	158	Sep 11	9.0	Dec 22 1912
ANNUAL SEVEN-DAY MINIMUM	110	Aug 31	177	Sep 6	72	Aug 8 1923
ANNUAL RUNOFF (CFSM)	1.54		2.00		1.53	
ANNUAL RUNOFF (INCHES)	20.96		27.21		20.82	
10 PERCENT EXCEEDS	1310		2020		1510	
50 PERCENT EXCEEDS	481		540		350	
90 PERCENT EXCEEDS	148		238		165	



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

04276500 BOUQUET RIVER AT WILLSBORO, NY

LOCATION.--Lat 44°21'30", long 73°23'50", Essex County, Hydrologic Unit 02010004, on right bank 0.5 mi upstream from bridge on State Highway 22, 2.5 mi downstream from North Branch Bouquet River, and 3.0 mi upstream from mouth, at Willsboro.
DRAINAGE AREA.--270 mi^2.
PERIOD OF RECORD.--August to September 1904 and August to November 1908 (gage heights and discharge measurements only), July 1923 to September 1968, March 1990 to current year. Water years 1980, 1985, 1987-89 (annual maximum only).
GAGE.--Water-stage recorder. 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 ft^3/s, Nov. 9, 1996, gage height, 10.93 ft, from floodmark in gage well; maximum gage height, 11.49 ft, from floodmark in gage well, Feb. 27, 2000 (ice jam); minimum discharge, 8.8 ft^3/s, Sept. 20, 1957, gage height, 1.84 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 27	unknown	ice jam	a*11.49	Apr. 5	0215	3,210	6.10
Mar. 29	0300	*3,270	6.14	Apr. 22	0830	3,030	5.96

a From floodmark in gage well.

Minimum discharge, 62 ft^3/s, Sept. 12, gage height, 2.34 ft.

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	479	186	e300	e120	e170	920	717	707	321	148	161	74
2	343	171	e240	e110	e160	708	653	666	292	134	308	76
3	245	285	299	e240	e150	572	746	662	273	126	327	87
4	273	342	286	e450	e150	458	2190	590	236	131	260	99
5	400	259	293	e600	e140	415	2310	652	253	131	180	96
6	350	222	282	e500	e140	373	1140	798	268	120	143	88
7	329	201	262	e450	e140	349	920	767	533	115	130	72
8	292	194	233	e400	e130	347	898	714	462	111	130	74
9	262	180	216	e350	e130	582	1570	1040	362	103	122	71
10	321	173	214	e320	e130	1490	1330	1220	378	200	114	69
11	305	183	203	e280	e120	846	1090	2090	335	223	113	66
12	265	184	200	e250	e120	638	967	1260	339	153	384	63
13	233	170	184	e240	e110	e450	869	1010	315	121	295	73
14	232	173	184	e230	e110	e400	871	1880	355	106	205	96
15	288	178	e170	e220	e110	430	1060	1200	373	99	179	127
16	278	174	e170	e200	e110	457	1720	896	369	266	178	166
17	246	159	e160	e190	e110	469	1240	720	350	905	199	127
18	227	150	e150	e180	e100	e330	912	642	285	674	160	108
19	216	146	e140	e170	e100	e340	778	935	262	370	139	98
20	209	152	e190	e160	e98	402	699	754	237	247	123	93
21	195	153	e350	e160	e98	402	1040	653	210	193	110	86
22	188	173	e280	e150	e110	461	2870	591	202	185	100	85
23	288	170	e240	e150	e140	522	2600	541	204	181	100	79
24	689	168	e220	e140	e190	617	2250	659	181	159	118	83
25	452	161	e200	e140	e300	634	1690	1040	164	135	117	84
26	337	198	e180	e140	e600	658	1210	771	158	120	102	85
27	277	1380	e160	e140	e1400	634	1000	596	170	112	93	85
28	239	989	e150	e140	e1200	1210	893	501	185	109	89	87
29	221	581	e140	e150	e1000	2510	795	443	156	105	85	85
30	203	435	e130	e170	---	1150	767	389	149	129	80	85
31	196	---	e120	e170	---	867	---	346	---	139	73	---
TOTAL	9078	8290	6546	7310	7566	20641	37795	25733	8377	6050	4917	2667
MEAN	293	276	211	236	261	666	1260	830	279	195	159	88.9
MAX	689	1380	350	600	1400	2510	2870	2090	533	905	384	166
MIN	188	146	120	110	98	330	653	346	149	99	73	63
CFSM	1.08	1.02	.78	.87	.97	2.47	4.67	3.07	1.03	.72	.59	.33
IN.	1.25	1.14	.90	1.01	1.04	2.84	5.21	3.55	1.15	.83	.68	.37

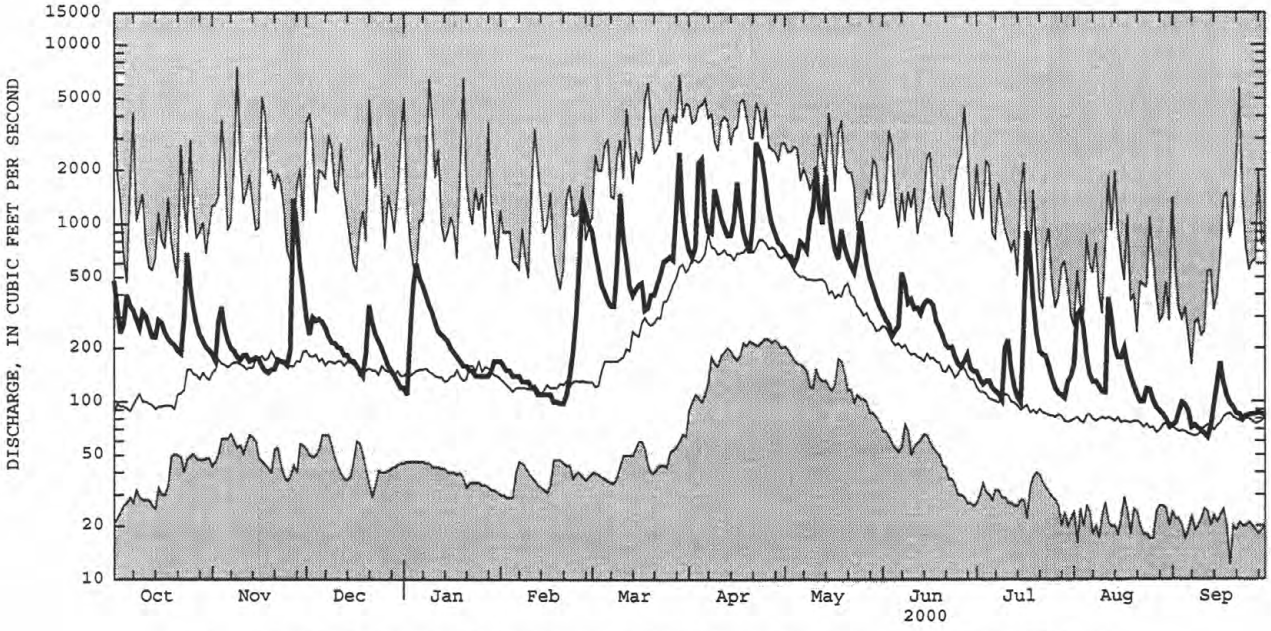
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2000, BY WATER YEAR (WY)

MEAN	178	262	235	230	182	464	945	546	254	148	106	108
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

e Estimated

04276500 BOUQUET RIVER AT WILLSBORO, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1923 - 2000	
ANNUAL TOTAL	117143		144970			
ANNUAL MEAN	321		396		303	
HIGHEST ANNUAL MEAN					496	1998
LOWEST ANNUAL MEAN					122	1965
HIGHEST DAILY MEAN	2480	Apr 4	2870	Apr 22	8400	Oct 1 1924
LOWEST DAILY MEAN	20	Sep 5	63	Sep 12	12	Sep 19 1957
ANNUAL SEVEN-DAY MINIMUM	24	Sep 1	70	Sep 7	20	Sep 23 1941
ANNUAL RUNOFF (CFSM)	1.19		1.47		1.12	
ANNUAL RUNOFF (INCHES)	16.14		19.97		15.25	
10 PERCENT EXCEEDS	716		920		700	
50 PERCENT EXCEEDS	220		222		153	
90 PERCENT EXCEEDS	40		100		60	



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

04276842 PUTNAM CREEK EAST OF CROWN POINT CENTER, NY

LOCATION.--Lat 43°56'33", long 73°27'51", Essex County, Hydrologic Unit 02010001, on right bank 200 ft upstream from bridge at Fish Hatchery, 200 ft downstream from Rennie Brook, and 0.2 mi east of Crown Point Center.
DRAINAGE AREA.--51.6 mi^2.
PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water year 1966. March 1990 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 220 ft above 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 ft^3/s, Apr. 17, 1993, gage height, 7.5 ft, from reconstructed graph, outside gage height was 8.14 ft, from crest-stage gage; minimum discharge, 0.53 ft^3/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 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 28	2230	*924	*6.45	No other peak greater than base discharge.			

Minimum discharge, 5.4 ft^3/s, Sept. 27, gage height, 3.92 ft.

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	46	37	90	e27	e30	306	207	116	59	18	69	8.1
2	42	35	74	e26	e27	253	179	126	54	16	85	8.0
3	36	61	67	e35	e26	200	209	114	48	14	88	9.2
4	49	61	64	e50	e24	162	632	99	44	15	76	9.9
5	68	53	62	e190	e23	143	624	92	40	13	57	9.3
6	70	46	59	e170	22	125	374	101	61	12	45	8.7
7	59	39	55	148	21	120	266	90	152	11	39	8.3
8	49	36	50	116	20	132	220	81	123	10	33	7.8
9	44	34	46	92	20	220	270	87	91	13	29	7.3
10	41	33	44	90	19	354	250	146	78	28	24	6.8
11	38	37	44	129	e18	287	216	335	71	29	22	6.7
12	35	36	41	e90	e18	253	203	272	62	24	27	7.0
13	33	36	38	e60	18	207	178	254	61	19	26	8.9
14	37	37	36	e46	20	169	184	389	74	16	24	8.2
15	40	35	e35	e40	24	151	231	288	75	16	25	10
16	38	33	e34	e36	e21	e140	283	211	68	75	30	11
17	35	31	e33	e33	e20	e130	257	163	65	116	31	9.8
18	33	29	e33	e30	e21	131	212	154	63	113	28	9.2
19	33	28	e34	e28	e22	122	184	153	55	85	22	8.4
20	30	27	40	e26	e21	118	160	131	47	63	18	7.8
21	28	27	73	e25	e19	126	251	114	42	48	16	7.6
22	27	26	70	e24	e20	144	522	104	40	43	14	7.0
23	59	26	59	e22	22	167	625	101	35	35	14	6.5
24	102	26	44	e21	28	191	435	213	31	29	17	6.7
25	95	24	38	e21	96	209	300	257	28	24	15	6.4
26	79	37	e34	e20	172	287	229	191	26	20	14	5.9
27	65	142	e30	e20	e320	270	201	145	24	18	13	5.7
28	57	172	e28	e19	e500	540	182	118	21	16	11	6.6
29	49	145	e30	e19	428	708	156	97	19	15	10	6.1
30	44	113	e32	e19	---	405	133	81	20	31	9.4	6.0
31	40	---	e28	e23	---	279	---	68	---	38	8.7	---
TOTAL	1501	1502	1445	1695	2040	7049	8373	4891	1677	1023	940.1	234.9
MEAN	48.4	50.1	46.6	54.7	70.3	227	279	158	55.9	33.0	30.3	7.83
MAX	102	172	90	190	500	708	632	389	152	116	88	11
MIN	27	24	28	19	18	118	133	68	19	10	8.7	5.7
CFSM	.94	.97	.90	1.06	1.36	4.41	5.41	3.06	1.08	.64	.59	.15
IN.	1.08	1.08	1.04	1.22	1.47	5.08	6.04	3.53	1.21	.74	.68	.17

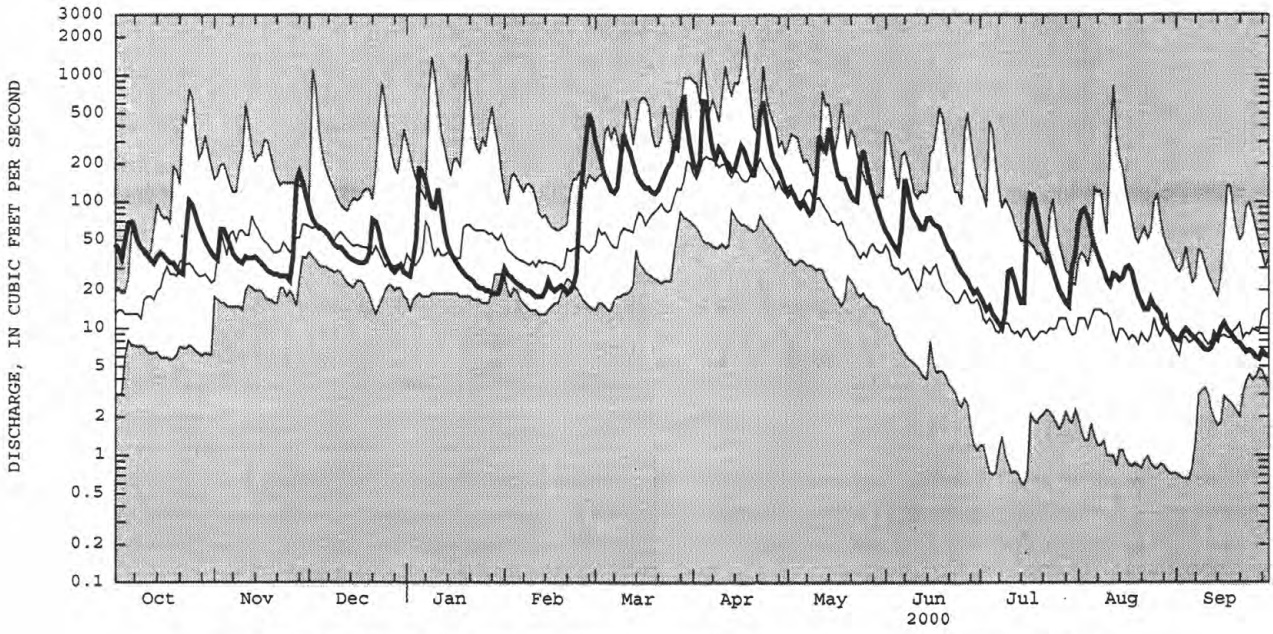
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	44.5	70.8	72.3	89.0	50.2	139	258	105	46.6	21.9	25.2	13.5
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	29.5	28.2	22.1	17.8	48.9	64.7	25.4	5.21	2.79	1.04	3.02
(WY)	1995	1995	1998	1994	1992	1993	1995	1999	1999	1999	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	21700.56		32371.0			
ANNUAL MEAN	59.5		88.4		76.2	
HIGHEST ANNUAL MEAN					100	1996
LOWEST ANNUAL MEAN					40.5	1995
HIGHEST DAILY MEAN	654	Apr 2	708	Mar 29	2200	Apr 17 1993
LOWEST DAILY MEAN	.65	Sep 5	5.7	Sep 27	.59	Jul 15 1995
ANNUAL SEVEN-DAY MINIMUM	.69	Aug 30	6.2	Sep 24	.69	Aug 30 1999
ANNUAL RUNOFF (CFSM)	1.15		1.71		1.48	
ANNUAL RUNOFF (INCHES)	15.64		23.34		20.07	
10 PERCENT EXCEEDS	134		220		187	
50 PERCENT EXCEEDS	35		40		36	
90 PERCENT EXCEEDS	1.8		12		6.4	

e Estimated

04276842 PUTNAM CREEK EAST OF CROWN POINT CENTER, NY--Continued



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

04278000 LAKE GEORGE AT ROGERS ROCK, NY

LOCATION.--Lat 43°48'28", long 73°27'30", Essex County, Hydrologic Unit 02010001, on west shore about 500 ft north of Hooper's dock at Rogers Rock, and 0.4 mi west of Baldwin.
DRAINAGE AREA.--233 mi^2 at outlet at Ticonderoga.
PERIOD OF RECORD.--July 1913 to current year.
REVISED RECORDS.--WDR NY-87-1: Datum.
GAGE.--Water-stage recorder. Datum of gage is 316.06 ft above 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 mi^2. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 5.09 ft, Apr. 9, 1936; minimum, 0.64 ft, Dec. 20, 1941.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.28 ft, May 14; minimum, 2.72 ft, Feb. 11.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.46	3.40	3.33	3.05	2.90	3.10	3.62	3.89	3.76	3.64	3.94	3.51
2	3.44	3.37	3.34	3.07	2.87	3.12	3.61	3.85	3.75	3.65	3.99	3.46
3	3.41	3.45	3.31	3.02	2.83	3.11	3.61	3.87	3.72	3.64	4.01	3.49
4	3.36	3.42	3.30	3.18	2.80	3.10	3.78	3.87	3.72	3.65	3.97	3.42
5	3.41	3.35	3.30	3.25	2.82	3.11	3.90	3.86	3.71	3.62	3.90	3.43
6	3.44	3.32	3.30	3.27	2.83	3.09	3.88	3.83	3.74	3.63	3.86	3.45
7	3.39	3.30	3.25	3.26	2.82	3.09	3.85	3.84	3.91	3.61	3.83	3.47
8	3.43	3.29	3.23	3.25	2.80	3.09	3.83	3.80	3.92	3.62	3.79	3.47
9	3.42	3.32	3.21	3.21	2.80	3.13	3.90	3.82	3.85	3.66	3.77	3.42
10	3.41	3.26	3.20	3.19	2.77	3.18	3.93	3.83	3.81	3.79	3.71	3.43
11	3.40	3.25	3.21	3.29	2.79	3.22	3.88	4.03	3.75	3.75	3.69	3.45
12	3.41	3.31	3.16	3.25	2.79	3.28	3.87	4.05	3.79	3.72	3.71	3.47
13	3.45	3.31	3.16	3.21	2.80	3.30	3.85	4.08	3.80	3.69	3.70	3.46
14	3.39	3.34	3.12	3.20	2.85	3.30	3.85	4.24	3.86	3.66	3.67	3.46
15	3.40	3.30	3.18	3.14	2.91	3.30	3.86	4.24	3.87	3.64	3.65	3.48
16	3.41	3.29	3.20	3.16	2.90	3.29	3.83	4.21	3.86	3.84	3.68	3.45
17	3.37	3.25	3.18	3.07	2.86	3.32	3.84	4.16	3.86	3.97	3.63	3.45
18	3.29	3.25	3.12	3.04	2.84	3.33	3.87	4.16	3.83	3.97	3.58	3.42
19	3.34	3.26	3.10	3.03	2.86	3.32	3.88	4.03	3.82	3.87	3.57	3.41
20	3.35	3.26	3.13	3.02	2.89	3.31	3.87	4.03	3.80	3.82	3.56	3.41
21	3.35	3.26	3.19	3.03	2.89	3.29	3.90	3.99	3.81	3.80	3.53	3.45
22	3.36	3.27	3.17	3.01	2.86	3.30	3.97	3.94	3.80	3.79	3.54	3.38
23	3.45	3.25	3.14	2.97	2.84	3.31	4.06	3.91	3.76	3.74	3.56	3.39
24	3.47	3.26	3.10	2.94	2.80	3.32	4.08	3.96	3.73	3.69	3.53	3.36
25	3.47	3.25	3.10	2.90	2.81	3.36	4.05	3.99	3.73	3.65	3.54	3.33
26	3.48	3.29	3.14	2.97	2.85	3.41	4.04	3.95	3.69	3.62	3.54	3.33
27	3.42	3.44	3.08	2.95	2.87	3.42	4.04	3.88	3.67	3.58	3.51	3.34
28	3.45	3.47	3.09	2.92	2.99	3.50	4.00	3.83	3.64	3.60	3.48	3.22
29	3.39	3.44	3.09	2.89	3.06	3.63	3.96	3.82	3.62	3.61	3.51	3.29
30	3.40	3.36	3.07	2.88	---	3.63	3.91	3.82	3.63	3.62	3.51	3.29
31	3.41	---	3.02	2.91	---	3.62	---	3.82	---	3.79	3.51	---
MEAN	3.41	3.32	3.18	3.08	2.85	3.29	3.88	3.95	3.77	3.71	3.68	3.41
MAX	3.48	3.47	3.34	3.29	3.06	3.63	4.08	4.24	3.92	3.97	4.01	3.51
MIN	3.29	3.25	3.02	2.88	2.77	3.09	3.61	3.80	3.62	3.58	3.48	3.22

WTR YR 2000 MEAN 3.46 MAX 4.24 MIN 2.77

04279085 LAKE CHAMPLAIN NORTH OF WHITEHALL, NY

LOCATION.--Lat 43°37'18", long 73°25'08", Washington County, Hydrologic Unit 02010001, on U.S. Coast Guard navigation structure
PERIOD OF RECORD.--October 1998 to current year.
GAGE.--Water-stage recorder. Datum of gage is sea level (New York State Department of Environmental Conservation bench mark).
REMARKS.--Area of lake surface about 490 mi^2. Total volume below 92.5 ft elevation, reported by Lake Champlain Studies Center, 902.2 bil ft^3. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 101.21 ft, Apr. 25, 2000; minimum elevation, 93.33 ft, Sept. 13, 1999.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 101.21 ft, Apr. 25; minimum elevation, 93.95 ft, Sept. 30.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95.11	95.69	96.42	95.33	95.33	97.12	98.26	100.19	99.67	97.03	96.25	95.27
2	95.19	95.62	95.95	95.35	95.38	97.07	98.29	100.51	99.37	96.90	95.92	95.55
3	95.37	95.40	95.88	95.43	95.31	97.11	98.45	100.07	99.53	96.89	95.95	95.42
4	95.66	95.39	95.91	95.48	95.33	97.11	98.72	99.85	99.35	96.92	96.04	95.65
5	95.47	95.37	95.84	95.87	95.22	97.12	98.98	99.93	99.17	97.07	96.03	95.51
6	95.31	95.62	95.90	95.51	95.24	97.16	99.09	99.94	99.25	96.82	95.87	95.20
7	95.40	95.78	96.26	95.55	95.19	97.08	99.28	99.77	99.14	96.88	95.80	94.94
8	95.01	95.60	96.00	95.53	95.14	97.09	99.44	99.88	98.72	96.69	95.84	94.79
9	95.01	95.14	95.92	95.53	95.00	97.03	99.81	99.88	98.85	96.44	95.75	95.05
10	95.17	95.69	95.73	95.63	95.19	97.61	99.58	100.00	98.87	96.57	95.87	94.98
11	95.35	95.94	96.02	95.66	95.12	97.45	99.81	100.41	98.86	96.63	95.94	94.83
12	95.30	95.19	96.02	95.92	95.11	97.71	99.94	100.59	98.66	96.50	95.97	94.60
13	94.87	95.31	95.84	96.07	95.04	97.69	99.85	100.61	98.49	96.37	95.86	94.94
14	95.68	95.10	96.10	95.95	95.16	97.52	99.56	100.91	98.21	96.24	95.80	94.82
15	95.23	95.43	95.82	95.85	95.13	97.50	99.62	100.86	98.01	96.28	95.75	94.91
16	94.97	95.43	95.69	95.76	95.05	97.73	100.32	100.79	98.11	96.82	95.75	94.89
17	95.25	95.40	95.74	95.97	95.15	98.28	100.45	100.69	98.14	96.64	95.85	94.67
18	95.86	95.11	95.87	95.81	95.09	97.84	100.14	100.50	98.17	96.44	95.81	94.78
19	95.36	95.03	95.81	95.74	95.12	97.67	100.07	100.91	98.08	96.46	95.80	94.68
20	95.21	95.02	95.55	95.73	95.04	97.66	100.16	100.59	98.00	96.44	95.79	94.71
21	95.26	95.15	95.72	95.75	95.04	97.68	100.08	100.46	97.62	96.29	95.74	94.61
22	95.06	95.14	95.73	95.65	94.98	97.66	100.36	100.39	97.67	96.27	95.56	94.79
23	95.31	95.26	95.72	95.55	94.93	97.65	100.68	100.25	97.76	96.23	95.47	94.60
24	95.53	95.18	95.78	95.53	95.00	97.73	100.84	100.20	97.57	96.21	95.57	94.70
25	95.70	95.35	95.63	95.66	95.10	97.64	100.85	100.17	97.38	96.17	95.50	94.75
26	95.59	95.38	95.41	95.59	95.21	97.69	100.69	100.16	97.38	96.05	95.46	94.70
27	96.00	95.65	95.64	95.54	95.47	97.67	100.58	100.26	97.39	96.00	95.58	94.48
28	95.59	95.83	95.49	95.48	96.63	97.79	100.56	100.22	97.31	95.94	95.60	95.06
29	95.83	95.94	95.51	95.42	97.41	97.83	100.52	100.05	97.30	95.88	95.39	94.53
30	95.70	96.38	95.44	95.36	---	98.14	100.67	99.73	97.21	95.87	95.25	94.21
31	95.56	---	95.48	95.36	---	98.31	---	99.43	---	96.09	95.23	---
MEAN	95.38	95.45	95.80	95.63	95.28	97.56	99.85	100.26	98.31	96.45	95.74	94.89
MAX	96.00	96.38	96.42	96.07	97.41	98.31	100.85	100.91	99.67	97.07	96.25	95.65
MIN	94.87	95.02	95.41	95.33	94.93	97.03	98.26	99.43	97.21	95.87	95.23	94.21

WTR YR 2000 MEAN 96.72 MAX 100.91 MIN 94.21

04280000 POULTNEY RIVER BELOW FAIR HAVEN, VT

LOCATION.--Lat 43°37'40", long 73°18'50", Rutland County, Hydrologic Unit 02010001, on right bank, 0.3 mi downstream from Carver Falls, 1.9 mi upstream from Hubbardton River, and 3.2 mi northwest of Fair Haven.
DRAINAGE AREA.--187 mi^2.
PERIOD OF RECORD.--Discharge records: October 1928 to current year.
Water-quality records: Water year 1954.
REVISED RECORDS.--WSP 1114: 1929(M), 1932-35.
GAGE.--Water-stage recorder. Elevation of gage is 105 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by powerplant upstream and Lake Bomoseen.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft^3/s, July 20, 1945, gage height, 24.36 ft, from high-water mark in well, from rating curve extended above 2,600 ft^3/s on basis of computations of flow over dam at gage heights 16.10 ft, 21.40 ft, and 24.36 ft; minimum daily discharge, 2.1 ft^3/s, August 8, 1965, September 13, 1977.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1915	* 5,250	* 15.71	Aug. 1	0515	2,640	11.46

Minimum daily discharge, 35 ft^3/s, September 26-30.

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	181	281	393	100	e165	1420	430	347	178	137	2080	81
2	139	230	290	92	e150	1150	409	373	163	117	1240	76
3	122	206	266	101	e150	943	518	422	152	103	992	73
4	122	206	255	398	e155	763	1000	357	137	110	778	71
5	153	174	249	911	e147	674	1560	320	133	99	617	69
6	134	163	251	571	e142	482	1110	305	153	89	507	67
7	118	149	240	503	e140	344	869	288	707	81	341	66
8	110	138	222	407	e140	364	651	257	689	78	265	66
9	108	135	206	286	e145	460	635	253	596	90	228	60
10	105	136	198	296	e137	802	666	304	392	310	205	58
11	146	162	214	625	e134	779	670	719	270	229	191	60
12	218	155	196	487	e135	896	698	733	264	160	189	52
13	199	157	184	394	e130	947	649	692	276	125	191	48
14	195	156	177	419	e150	775	652	1300	284	111	181	55
15	205	164	179	453	e240	728	727	1140	308	148	173	56
16	192	175	188	420	e290	656	794	867	412	508	200	63
17	167	168	193	e250	e270	664	694	705	430	1010	288	66
18	70	152	177	e230	e255	537	676	431	616	643	248	62
19	78	125	153	e210	e240	499	669	427	566	435	210	51
20	76	123	152	e200	e235	524	633	384	440	227	181	48
21	78	126	265	e170	e230	600	563	347	238	174	164	49
22	75	125	244	e180	e220	621	686	332	304	159	146	54
23	350	124	208	e185	e215	498	853	474	423	132	131	48
24	656	110	199	e180	e235	498	799	674	272	121	134	41
25	423	118	195	e155	e430	446	736	856	220	105	134	37
26	343	157	189	e165	e870	457	644	701	200	95	124	35
27	341	749	189	e165	e1300	469	637	396	174	95	113	35
28	368	966	175	e160	3620	470	658	349	152	82	105	35
29	336	749	166	e165	2760	562	585	308	140	79	97	35
30	310	668	152	e185	---	525	392	269	142	88	90	35
31	295	---	90	e180	---	471	---	230	---	606	84	---
TOTAL	6413	7247	6455	9243	13430	20024	21263	15560	9431	6546	10627	1652
MEAN	207	242	208	298	463	646	709	502	314	211	343	55.1
MAX	656	966	393	911	3620	1420	1560	1300	707	1010	2080	81
MIN	70	110	90	92	130	344	392	230	133	78	84	35
CFSM	1.11	1.29	1.11	1.59	2.48	3.45	3.79	2.68	1.68	1.13	1.83	.29
IN.	1.28	1.44	1.28	1.84	2.67	3.98	4.23	3.10	1.88	1.30	2.11	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2000, BY WATER YEAR (WY)

MEAN	140	224	259	262	262	524	668	321	164	105	84.0	91.6
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	84300.9		127891			
ANNUAL MEAN	231		349		258	
HIGHEST ANNUAL MEAN					527	1976
LOWEST ANNUAL MEAN					66.9	1965
HIGHEST DAILY MEAN	3900	Jan 25	3620	Feb 28	7010	Jan 20 1996
LOWEST DAILY MEAN	7.4	Sep 1	a 35	Sep 26	b 2.1	Aug 8 1965
ANNUAL SEVEN-DAY MINIMUM	7.5	Aug 31	36	Sep 24	3.0	Aug 13 1965
INSTANTANEOUS PEAK FLOW			c 5250	Feb 28	c 14800	Jul 20 1945
INSTANTANEOUS PEAK STAGE			15.71	Feb 28	d 24.36	Jul 20 1945
ANNUAL RUNOFF (CFSM)	1.24		1.87		1.38	
ANNUAL RUNOFF (INCHES)	16.77		25.44		18.77	
10 PERCENT EXCEEDS	602		727		614	
50 PERCENT EXCEEDS	152		220		136	
90 PERCENT EXCEEDS	12		80		28	

a Also occurred on September 27-30.
b Also occurred on September 13, 1977.
c From rating curve extended above 2,600 ft^3/s as explained above.
d From high-water mark in well.
e Estimated.

04280450 METTAWEE RIVER NEAR MIDDLE GRANVILLE, NY

LOCATION.--Lat 43°27'50", long 73°17'05", Washington County, Hydrologic Unit 02010001, on right bank 110 ft downstream from bridge on County Highway 21 and 2.2 mi north of Middle Granville.
DRAINAGE AREA.--167 mi^2.
PERIOD OF RECORD.--March 1990 to current year.
REVISED RECORDS.--WDR NY-97-1: 1993, 1994(P), 1996.
GAGE.--Water-stage recorder. Elevation of gage is 320 ft above 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, 8,600 ft^3/s, Jan. 24, 1999, gage height, 11.25 ft, minimum discharge, 8.1 ft^3/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 ft^3/s, on basis of runoff comparison of peak discharge from contracted-opening measuremnet at Grays Corners near Whitehall (drainage area 200 mi^2). Flood of May 31, 1984, reached a discharge of about 5,400 ft^3/s, on basis of slope-area measurement of peak flow 2.8 mi upstream at Middle Granville (drainage area 156 mi^2).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 5	0130	2,010	6.57	Apr. 4	1345	2,240	6.81
Feb. 28	1300	*4,520	*8.71				

Minimum discharge, 43 ft^3/s, Sept. 29, 30, gage height, 3.19 ft.

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	284	211	367	e120	e190	1080	407	451	295	133	903	89
2	212	201	319	116	e170	913	393	576	270	114	562	86
3	181	280	306	125	e160	730	488	489	267	105	443	94
4	191	244	316	803	e170	610	1550	435	230	127	367	86
5	205	215	314	1330	e160	544	1520	437	205	173	305	79
6	179	198	293	e640	e160	484	1060	439	286	120	263	73
7	158	184	285	573	e150	451	850	398	799	107	305	68
8	145	175	264	488	e120	469	744	367	452	102	321	64
9	138	167	241	428	e130	556	813	339	388	124	261	61
10	134	167	238	430	e140	875	783	369	366	479	247	58
11	145	207	271	768	e140	640	772	631	309	259	228	55
12	131	172	237	613	e120	1010	786	481	345	184	356	53
13	119	175	220	474	e110	850	710	526	320	149	285	82
14	133	168	212	e400	e250	700	718	979	409	128	252	70
15	145	166	219	e360	e660	649	791	686	374	140	287	80
16	129	156	223	e310	e400	665	782	589	317	1220	345	79
17	122	146	215	e220	e320	653	674	554	340	1050	300	64
18	120	136	192	e240	e250	e520	610	525	370	650	249	58
19	111	132	e170	e290	e240	e500	576	643	352	471	222	55
20	109	129	e180	e330	e230	525	518	550	290	380	196	55
21	112	141	249	e280	e210	574	603	493	253	317	177	54
22	107	133	217	e230	e200	580	791	468	292	287	160	51
23	489	128	189	e210	e210	555	748	461	278	245	158	49
24	601	124	e170	e250	e300	534	696	726	226	215	205	55
25	445	124	e170	e280	e800	507	624	698	202	191	159	56
26	372	180	e180	e280	e1100	524	579	616	188	169	140	50
27	328	700	e200	e250	1350	473	673	529	171	170	126	48
28	289	601	e170	e210	3280	523	613	470	153	157	118	46
29	268	471	e160	e180	1640	556	550	418	138	142	107	44
30	244	416	e140	e190	---	497	507	374	154	136	101	45
31	227	---	e140	e200	---	448	---	331	---	849	95	---
TOTAL	6573	6647	7067	11618	13360	19195	21929	16048	9039	9093	8243	1907
MEAN	212	222	228	375	461	619	731	518	301	293	266	63.6
MAX	601	700	367	1330	3280	1080	1550	979	799	1220	903	94
MIN	107	124	140	116	110	448	393	331	138	102	95	44
CFSM	1.27	1.33	1.37	2.24	2.76	3.71	4.38	3.10	1.80	1.76	1.59	.38
IN.	1.46	1.48	1.57	2.59	2.98	4.28	4.88	3.57	2.01	2.03	1.84	.42

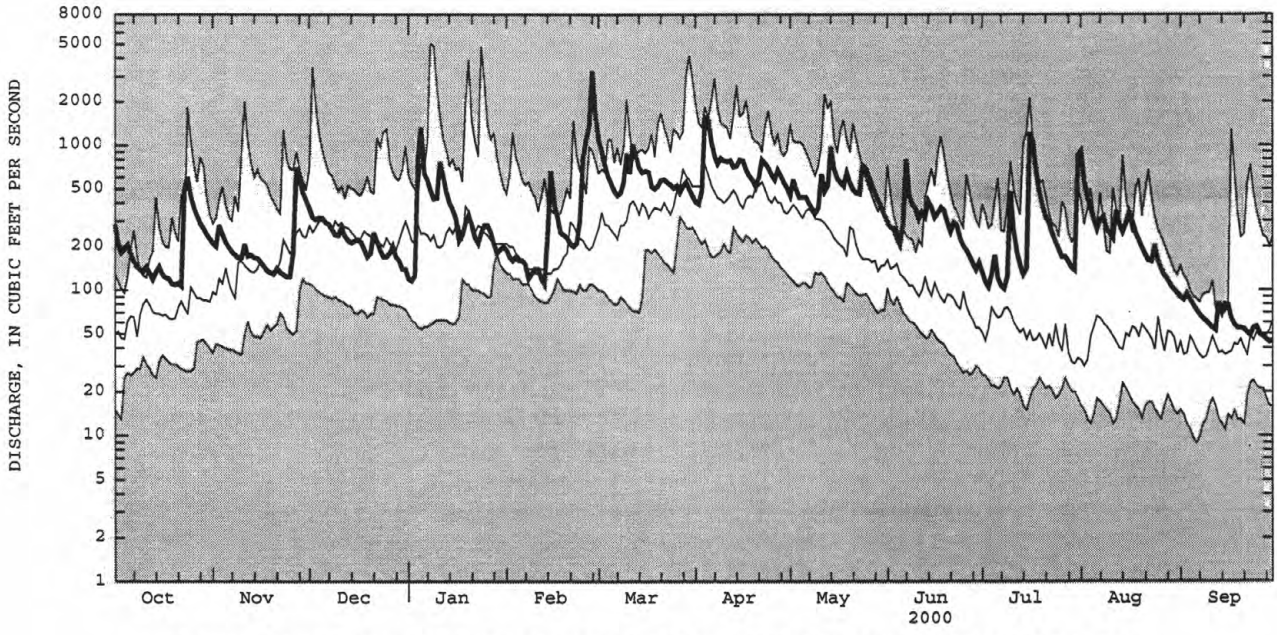
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	117	227	301	408	261	503	597	357	153	132	105	64.3
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	179	116	243	238	135	54.1	24.5	20.0	16.8
(WY)	1998	1999	1999	1994	1992	1992	1995	1995	1999	1995	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	87874.5		130719			
ANNUAL MEAN	241		357		265	
HIGHEST ANNUAL MEAN					357	2000
LOWEST ANNUAL MEAN					155	1995
HIGHEST DAILY MEAN	4840	Jan 24	3280	Feb 28	5080	Jan 8 1998
LOWEST DAILY MEAN	8.9	Sep 6	44	Sep 29	8.9	Sep 6 1999
ANNUAL SEVEN-DAY MINIMUM	11	Sep 3	49	Sep 24	11	Sep 3 1999
ANNUAL RUNOFF (CFSM)	1.44		2.14		1.59	
ANNUAL RUNOFF (INCHES)	19.57		29.12		21.58	
10 PERCENT EXCEEDS	539		703		594	
50 PERCENT EXCEEDS	170		262		165	
90 PERCENT EXCEEDS	20		107		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.

04294500 LAKE CHAMPLAIN AT BURLINGTON, VT

LOCATION.--Lat 44°28'52", long 73°13'27", Chittenden County, Hydrologic Unit 02010003, 50 ft south of Gulf Oil Co. dock at Burlington, 0.1 mi north of Burlington Water Department pumping station, and 0.5 mi north of railroad station.
PERIOD OF RECORD.--Gage heights: May 1907 to current year.
Water-quality records: Water year 1971.
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 October 1999, at datum 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, 101.03 ft, May 14,15, affected by seiche; minimum , 94.59 ft, September 30, affected by seiche.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95.46	95.93	96.15	95.56	95.54	96.85	98.49	100.46	99.77	97.28	96.05	95.50
2	95.49	95.86	96.13	95.55	95.52	97.05	98.50	100.40	99.64	97.18	96.09	95.47
3	95.49	95.89	96.12	95.54	95.49	97.16	98.56	100.32	99.56	97.14	96.14	95.46
4	95.54	95.82	96.13	95.55	95.46	97.21	98.78	100.20	e99.40	97.09	96.16	95.44
5	95.56	95.80	96.11	95.69	95.42	97.25	99.11	100.15	e99.24	97.02	96.15	95.38
6	95.52	95.80	96.13	95.72	95.40	97.26	99.31	100.11	e99.12	96.96	96.10	95.35
7	95.52	95.79	96.16	95.77	95.36	97.25	99.41	100.03	99.10	96.90	96.07	95.26
8	95.45	95.74	96.15	95.78	95.33	97.25	99.50	99.99	99.00	96.83	96.05	95.19
9	95.41	95.63	96.12	95.77	95.28	97.24	99.70	100.05	98.95	96.74	96.05	95.19
10	95.44	95.65	96.07	95.80	95.29	97.43	99.82	100.23	98.89	96.70	96.02	95.18
11	95.47	95.65	96.05	95.88	95.28	97.58	99.93	100.56	98.83	96.65	96.02	95.11
12	95.47	95.54	96.06	95.97	95.26	97.71	99.99	100.84	98.74	96.63	96.04	95.04
13	95.41	95.53	96.05	96.02	95.23	97.73	99.99	100.90	98.66	96.59	96.01	95.09
14	95.49	95.43	96.04	96.03	95.27	97.71	99.95	101.00	98.53	96.53	95.97	95.09
15	95.50	95.47	96.01	96.01	95.29	97.70	99.97	100.55	98.41	96.47	95.94	95.10
16	95.46	95.45	95.97	95.95	95.25	97.74	100.18	100.99	98.40	96.48	95.94	95.07
17	95.47	95.44	95.97	95.97	95.26	97.87	100.32	100.92	98.34	96.53	95.95	95.01
18	95.53	95.40	95.99	95.93	95.25	97.88	100.31	100.79	98.28	96.58	95.96	95.01
19	95.51	95.35	95.96	95.90	95.25	97.84	100.27	100.82	98.20	96.56	95.93	94.98
20	95.47	95.31	95.83	95.87	95.22	97.82	100.24	100.77	98.12	96.54	95.88	94.96
21	95.48	95.38	95.91	95.85	95.20	97.82	100.23	100.69	98.02	96.49	95.85	94.91
22	95.41	95.42	95.92	95.81	95.18	97.80	100.33	100.59	97.94	96.45	95.80	94.90
23	95.50	95.48	95.90	95.75	95.15	97.80	100.49	100.49	97.88	96.41	95.74	94.85
24	95.67	95.49	95.90	95.72	95.15	97.84	100.65	100.41	97.79	96.37	95.73	94.82
25	95.85	95.52	95.84	95.71	95.20	97.85	100.78	100.39	97.68	96.33	95.73	94.82
26	95.90	95.55	95.75	95.70	95.25	97.90	100.80	100.35	97.61	96.27	95.69	94.81
27	95.98	95.70	95.75	95.67	95.44	97.94	100.77	100.31	97.57	96.21	95.66	94.76
28	95.96	95.92	95.70	95.63	95.98	98.02	100.73	100.24	97.51	96.15	95.65	94.74
29	95.98	96.06	95.67	95.60	96.52	98.17	100.66	100.15	97.43	96.12	95.60	94.71
30	95.96	96.14	95.64	95.56	---	98.37	100.58	100.00	97.36	96.08	95.53	94.62
31	95.91	---	95.62	95.56	---	98.46	---	99.86	---	96.04	95.50	---
MEAN	95.59	95.64	95.96	95.77	95.37	97.66	99.94	100.44	98.47	96.59	95.90	95.06
MAX	95.98	96.14	96.16	96.03	96.52	98.46	100.80	101.00	99.77	97.28	96.16	95.50
MIN	95.41	95.31	95.62	95.54	95.15	96.85	98.49	99.86	97.36	96.04	95.50	94.62

CAL YR 1999 MEAN 95.70 MAX 98.37 MIN 93.81
WTR YR 2000 MEAN 96.87 MAX 101.00 MIN 94.62

e Estimated.

04295000 RICHELIEU RIVER (LAKE CHAMPLAIN) AT ROUSES POINT, NY

LOCATION.--Lat 44°59'46", long 73°21'37", Clinton County, Hydrologic Unit 02010006, on left bank at outlet of Lake Champlain in Rouses Point, and 1.0 mi south of Fort Montgomery ruins.
DRAINAGE AREA.--8,277 mi^2.
PERIOD OF RECORD.--October 1863 to December 1870 (maximum and minimum monthly gage heights at St. Johns, Quebec, published in WSP 97) and March 1871 to current year (daily gage heights prior to October 1970, elevations thereafter: those for 1871-1907 published in WSP 894). Gage heights prior to October 1, 1925, published as "Richelieu River at Fort Montgomery, Rouses Point". Discharge records for January 1875 to September 1916 at "Chambly, Quebec," published in WSP 65, 82, 97, 129, 170, 206, 424, and 1307 have been found to be unreliable and should not be used. Daily discharge record for "Richelieu River at Fryers Rapids, Quebec," published in Water Survey of Canada annual reports.
GAGE.--Water-stage recorder. Datum of gage is 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 mi^2. Total volume below 92.5 ft elevation, reported by Lake Champlain Studies Center, 902.2 bil ft^3. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 101.88 ft, Apr. 25, 1993; minimum observed, 92.17 ft, Oct. 23, 1941.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known since at least 1827, 102.1 ft, May 4, 1869, from marks at railroad bridge near present gage, according to data published on p. 428 of the Report of the Board of Engineers on Deep Waterways, 1900: U.S. 56th Cong., 2d sess. H. Doc. 149.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 101.27 ft, May 18; minimum, 94.41 ft, Sept. 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95.55	95.93	96.01	95.57	95.50	96.82	98.44	100.42	99.69	97.27	96.23	95.46
2	95.46	96.09	96.10	95.53	95.45	96.98	98.45	100.24	99.61	97.23	96.22	95.38
3	95.41	96.02	96.14	95.46	95.43	97.07	98.46	100.23	99.40	97.11	96.16	95.37
4	95.38	95.88	96.12	95.63	95.39	97.14	98.70	100.18	99.27	97.06	96.10	95.24
5	95.46	95.96	96.24	95.56	95.38	97.17	99.00	100.06	99.20	96.92	96.08	95.26
6	95.51	95.72	96.11	95.87	95.36	97.17	99.27	100.01	99.04	96.88	96.16	95.28
7	95.44	95.63	96.00	95.79	95.31	97.20	99.31	99.97	98.98	96.76	96.12	95.36
8	95.72	95.66	96.07	95.84	95.31	97.19	99.35	99.87	99.02	96.73	96.05	95.32
9	95.54	95.86	96.11	95.81	95.30	97.20	99.53	99.91	98.86	96.76	96.09	95.17
10	95.49	95.45	96.16	95.81	95.20	97.28	99.72	100.19	98.76	96.66	96.00	95.15
11	95.39	95.48	95.85	95.90	95.21	97.50	99.76	100.44	98.67	96.59	95.96	95.26
12	95.42	95.69	95.95	95.86	95.20	97.59	99.83	100.73	98.65	96.57	95.93	95.31
13	95.67	95.52	95.98	95.86	95.17	97.64	99.89	100.91	98.60	96.53	95.95	95.08
14	95.21	95.65	95.90	95.88	95.18	97.68	100.01	100.94	98.71	96.51	95.95	95.10
15	95.51	95.29	96.03	95.99	95.23	97.66	99.99	100.96	98.62	96.47	95.97	95.09
16	95.71	95.26	96.04	95.97	95.24	97.64	99.98	100.93	98.40	96.43	95.97	95.05
17	95.48	95.31	95.93	95.84	95.19	97.65	100.12	100.86	98.29	96.52	95.88	95.13
18	95.32	95.37	95.89	95.87	95.19	97.79	100.26	100.85	98.20	96.55	95.91	95.00
19	95.46	95.49	95.91	95.85	95.18	97.81	100.22	100.66	98.16	96.50	95.88	95.06
20	95.54	95.41	96.26	95.80	95.18	97.77	100.12	100.71	98.08	96.49	95.80	95.01
21	95.45	95.35	95.84	95.77	95.15	97.75	100.13	100.63	98.11	96.50	95.76	95.01
22	95.62	95.44	95.88	95.75	95.14	97.75	100.19	100.53	97.96	96.45	95.78	94.84
23	95.44	95.44	95.88	95.74	95.13	97.74	100.25	100.44	97.81	96.38	95.85	95.01
24	95.58	95.57	95.79	95.68	95.10	97.75	100.44	100.39	97.78	96.34	95.74	94.82
25	95.81	95.45	95.88	95.59	95.14	97.85	100.60	100.34	97.74	96.30	95.72	94.79
26	95.99	95.60	96.00	95.62	95.28	97.84	100.68	100.28	97.61	96.30	95.72	94.77
27	95.87	95.65	95.65	95.60	95.46	97.93	100.67	100.19	97.53	96.25	95.64	94.81
28	96.07	95.86	95.74	95.58	95.92	97.97	100.63	100.11	97.46	96.17	95.58	94.64
29	95.93	95.96	95.65	95.56	96.44	98.21	100.53	100.03	97.39	96.10	95.64	94.74
30	96.04	95.95	95.64	95.53	---	98.29	100.42	99.99	97.31	96.07	95.62	94.85
31	96.00	---	95.55	95.52	---	98.38	---	99.91	---	96.11	95.56	---
MEAN	95.60	95.63	95.95	95.73	95.32	97.59	99.83	100.38	98.43	96.56	95.90	95.08
MAX	96.07	96.09	96.26	95.99	96.44	98.38	100.68	100.96	99.69	97.27	96.23	95.46
MIN	95.21	95.26	95.55	95.46	95.10	96.82	98.44	99.87	97.31	96.07	95.56	94.64

CAL YR 1999 MEAN 95.68 MAX 98.27 MIN 93.81
WTR YR 2000 MEAN 96.84 MAX 100.96 MIN 94.64

LAKES AND RESERVOIRS IN STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04260990 CRANBERRY LAKE AT CRANBERRY LAKE, NY--Lat 44°13'14", long 74°50'55", St. Lawrence County, Hydrologic Unit 04150302, on right wall at outlet structure, at village of Cranberry Lake. **DRAINAGE AREA**, 140 mi^2. **PERIOD OF RECORD**, April 1923 to current year. **GAGE**, nonrecording gage read daily at 1200 hours. Datum of gage is 1,469.75 ft above 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 ft^3. Crest at spillway is at elevation, 1,486.43 ft. Length of spillway is 110 ft. Area of water surface at crest elevation is 10.9 mi^2. Records provided by Oswegatchie River-Cranberry Reservoir Commission.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 2,985 mil ft^3, May 13-15, 1971, gage height, 18.5 ft; minimum observed, 70 mil ft^3, Apr. 1-4, 1956, gage height, 6.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 2,650 mil ft^3, May 12-14, gage height, 17.4 ft; minimum observed, 1,460 mil ft^3, Feb. 9-14, 22-24, gage height, 13.0 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 1999 TO SEPTEMBER 2000

Date	Gage height (feet) *	Contents (million ft^3)	Change in contents (equivalent in ft^3/s)
	04260990 Cranberry Lake		
Sept. 30	16.2	2,296	
Oct. 31	16.0	2,240	- 20.9
Nov. 30	16.2	2,296	+ 21.6
Dec. 31	14.5	1,840	-170
CAL YR 1999	-	-	+ 0.82
Jan. 31	13.6	1,606	- 87.4
Feb. 29	14.4	1,814	+ 83.0
Mar. 31	15.6	2,128	+117
Apr. 30	16.9	2,500	+144
May 31	16.8	2,470	- 11.2
June 30	16.5	2,380	- 34.7
July 31	16.8	2,470	+ 33.6
Aug. 31	16.2	2,296	- 65.0
Sept. 30	15.7	2,156	- 54.0
WTR YR 2000	-	-	- 4.43

* 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 2000 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 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
Housatonic River basin								
Stony Brook near Dover Plains, NY (01199477)	Lat 41°42'38", long 73°37'18", Dutchess County, Hydrologic Unit 01100005, on town road, 100 ft upstream from mouth, and 2.9 mi southwest of Dover Plains. Datum of gage is 730 ft, from topographic map. Drainage area is 1.93 mi^2.	1976-2000	9- 3-00	1.45	68	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‡, 1993-2000	4- 5-00	1.77	14	1- 9-98	2.37	35
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‡, 1988-2000	4- 5-00	7.63	4,270	1- 9-98	12.84	11,500
Schroon River at Riverbank, NY (01317000)	Lat 43°36'34", long 73°44'17", Warren County, Hydrologic Unit 02020001, on right bank 30 ft upstream from highway bridge, and 11.8 mi downstream from Schroon Lake, at Riverbank. Datum of gage is 699.31 ft. Drainage area is 527 mi^2.	1908-25, 1926-70‡, 1987-2000	3-28-00	7.22	4,270	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.	1979-2000	2-28-00	4.54	80	1-19-96	6.56	149

‡ Operated as a continuous-record gaging station.
f From floodmark.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
Hudson River basin								
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‡, 1997-2000	6- 7-00	a6.4	2,380	12-31-48	f9.4	7,470
Steele Creek at Ilion, NY (01342730)**	Lat 43°00'05", long 75°02'44", Herkimer County, Hydrologic Unit 02020004, at bridge on Whitney Street in Ilion, and 2.6 mi upstream from mouth. Datum of gage is 470 ft, from topographic map. Drainage area is 26.2 mi^2.	1964-66, 1967-68‡, 1969, 1971-84, 2000	5-13-00	5.69	2,100	2-20-81	5.30	1,810
Vly Brook near Morehouseville, NY (01342797)	Lat 43°23'43", long 74°50'00", Hamilton County, Hydrologic Unit 02020004, at culvert on State Highway 8, 0.6 mi upstream 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.	1993-2000	4- 4-00	10.65	263	10-21-95	af11.2	a320
West Canada Creek at Nobleboro, NY (01342800)**	Lat 43°23'47", long 74°51'35", Herkimer County, Hydrologic Unit 02020004, at bridge on State Highway 8, 2.9 mi northeast of Wilmurt, in village of Nobleboro. Datum of gage is 1,389.16 ft. Drainage area is 193 mi^2.	1958-66, 1967-68‡, 1969-76, 1987-98, 2000	5-13-00	f9.04	a8,750	q12-29-84 1- 9-98	f13.93 c12.25	20,000 a15,000
Spruce Lake Tributary near Salisbury Center, NY (01347460)**	Lat 43°10'51", long 74°48'44", Herkimer County, Hydrologic Unit 02020004, at culvert on town road (Jerseyfield Road), 1.3 mi upstream from mouth, and 2.9 mi north of Salisbury Center. Datum of gage is 1,400 ft, from topographic map. Drainage area is 0.54 mi^2.	1975-86, 2000	5-13-00	f3.85	a50	10-17-77 4-18-82	3.94 4.53	72 64
East Canada Creek at East Creek (01348000)**	Lat 43°01'00", long 74°44'28", Herkimer County, Hydrologic Unit 02020004, on right bank 1.2 mi upstream from mouth, and 3.5 mi northwest of St. Johnsville, at East Creek. Datum of gage is 335.70 ft. Drainage area is 289 mi^2.	1946-95‡, 1996, 1998, 2000	5-13-00	f7.96	15,000	10- 2-45	f9.0	d24,000
North Creek near Ephratah, NY (01348420)	Lat 43°00'28", long 74°33'54", Fulton County, Hydrologic Unit 02020004, at culvert on town road, 0.4 mi upstream from mouth, 1.2 mi northwest of Ephratah. Datum of gage is 740 ft, from topographic map. Drainage area is 6.52 mi^2.	1975-2000	5-13-00	8.02	368	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 topographic map. Drainage area is 168 mi^2.	1980-83‡, 1984, 1992-2000	6- 7-00	a11.0	7,500	9-17-99	f13.50	11,800

a About.
f From floodmark.
‡ Operated as a continuous-record gaging station.
** Not an active site.
q Peak outside period of record.
c Backwater.
d Dam failure.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
Hudson River basin--Continued								
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, 1988-2000	6- 7-00	10.24	11,200	12-31-48	f19.8	29,800
Catskill Creek at Oak Hill, NY (01361500)	Lat 42°24'16", long 74°09'07", Greene County, Hydrologic Unit 02020006, on right bank 150 ft downstream from highway bridge in southernmost part of Oak Hill, and 250 ft downstream from small tributary. Datum of gage is 612.65 ft. Drainage area is 98.0 mi^2.	1911-28, 1929-77†, 1980, 1987-2000	6- 7-00	12.07	8,420	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†, 1961-2000	7-16-00	7.16	1,880	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, 1994-2000	6- 6-00	7.49	220	10-15-55	f12.40	1,830
Rutgers Creek at Gardnerville, NY (01368500)	Lat 41°20'40", long 74°29'10", Orange County, Hydrologic Unit 02020007, on right bank 2.2 mi upstream from mouth, 8 mi southwest of Middletown, at highway bridge in Gardnerville. Datum of gage is 404.48 ft. Drainage area is 59.7 mi^2.	1944-48, 1949-68†, 1984, 1987-90, 1993-2000	4-24-00	5.52	1,360	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, 1987-2000	6- 7-00	6.34	810	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.	1975-2000	6- 7-00	2.55	192	9-16-99	6.01	2,000
Passaic River basin								
Torne Brook at Ramapo, NY (01387410)	Lat 41°08'34", long 74°09'44", Rockland County, Hydrologic Unit 02030103, 0.3 mi upstream from mouth, and 0.5 mi east of Ramapo. Datum of gage is 328.46 ft. Drainage area is 2.60 mi^2.	1960-2000	6- 7-00	5.73	251	11- 8-77	11.02	1,520

f From floodmark.
† Operated as a continuous-record gaging station.
b Ice jam.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
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.	1984-2000	7-15-00	4.43	2,140	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 upstream 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 11.2 mi^2.	1976-2000	2-28-00 4- 4-00	b8.69 7.08	- 155	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 topographic map. Drainage area is 82.5 mi^2.	1962-64, 1985, 1987-2000	1- 4-00 5-10-00	b16.32 14.64	- 2,050	12-29-84	f19.15	13,600
Sandy Creek near Adams, NY (04250750)	Lat 43°48'48", long 76°04'30", Jefferson County, Hydrologic Unit 04140102, on left bank 250 ft upstream from bridge on Liberty Street, 2.5 mi downstream from Adams, and 10.0 mi upstream from mouth. Datum of gage is 523.71 ft. Drainage area is 128 mi^2.	1958-95‡, 1996-2000	11-27-99	8.57	5,170	1-19-96	f11.06	7,700
Moose River at McKeever, NY (04254500)	Lat 43°36'36", long 75°06'35", Herkimer County, Hydrologic Unit 04150101, on left bank 0.5 mi west of McKeever, and 1.9 mi downstream from confluence of Middle and South Branches. Datum of gage is 1,479.92 ft. Drainage area is 363 mi^2.	1869, 1901-22, 1923-70‡, 1982, 1985, 1987-2000	1- 5-00	9.55	6,920	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, 1993-2000	1- 3-00 1- 4-00	b12.28 11.09	- 147	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‡, 1969-2000	11-27-99	5.83	6,390	3- 6-79 12-29-84	b11.10 f10.63	- 17,200

f From floodmark.
b Ice jam.
‡ Operated as a continuous-record gaging station.
d Dam failure.
a About.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
St. Lawrence River basin								
Elm Creek near Hermon, NY (04265100)	Lat 44°26'15", long 75°12'49", St. Lawrence County, Hydrologic Unit 04150304, at bridge 2.7 mi southeast of Hermon, and 6.8 mi upstream from confluence with Tanner Creek. Datum of gage is 539.41 ft. Drainage area is 32.6 mi^2.	1959-68‡, 1969-2000	2-28-00 5-11-00	b7.73 7.50	- 772	4- 6-74 1-24-99	9.07 b9.28	a1,270 a750
Plum Brook near Grantville, NY (04268200)	Lat 44°52'46", long 74°54'54", St. Lawrence County, Hydrologic Unit 04150305, on right bank 430 ft upstream from bridge at junction of Brouse and Grant Roads, 1.0 mi upstream from mouth, 1.4 mi north of Grantville, 2.3 mi southwest of Massena city limits. Datum of gage is 203.15 ft. Drainage area is 43.9 mi^2.	1959-63‡, 1964-2000	5-11-00	5.74	850	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.	1995-2000	5-10-00	19.45	24	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‡, 1967-2000	5- 9-00	7.53	4,430	3-10-92 7- 5-96	b10.43 9.42	- 6,980
West Branch Ausable River near Lake Placid, NY (04274000)	Lat 44°18'40", long 73°55'00", Essex County, Hydrologic Unit 02010004, on right bank 150 ft upstream from Monument Falls, 4 mi downstream from Lake Placid outlet, and 4 mi northeast of Lake Placid. Datum of gage is 1,620.76 ft. Drainage area is 116 mi^2.	1920-27, 1928-68‡, 1983-2000	4- 4-00	7.44	3,080	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‡, 1996-2000	2-27-00 3-28-00	b8.05 7.34	- 6,040	11- 9-96	15.22	23,900

‡ Operated as a continuous-record gaging station.
b Ice jam.
a About.

Discharge measurements made at miscellaneous sites during water year 2000

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Hudson River basin				
01301830 Whippoorwill Creek	Kensico Reservoir	Lat 41°07'30", long 73°44'36", Westchester County, Hydrologic Unit 02030102, at culvert on King Street (State Highway 120), about 0.1 mi upstream from mouth, and 2.0 mi east of Pleasantville.	1.47		7-12-00	*0.14
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		7-12-00	*0.10
01301870 Kensico Tributary E-11	Kensico Reservoir	Lat 41°04'08", long 73°43'07", Westchester County, Hydrologic Unit 02030102, at culvert on northbound I-684, about 150 ft upstream from mouth, adjacent to Westchester County Airport, about 3.0 mi east of Valhalla.	0.38		7-12-00	*0.09
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	12-15-99 1-11-00 2-29-00 3- 8-00 6-12-00	1,640 1,850 6,130 1,600 2,470
01374488 Brady Brook	East Branch Croton River	Lat 41°31'55", long 73°35'07", Dutchess County, Hydrologic Unit 02030101, at bridge on State Highway 22, about 1.0 mi upstream from mouth, and about 1.5 mi south of Pawling.	7.80		7-12-00	*2.24
01374491 Stephens Brook	East Branch Croton River	Lat 41°30'30", long 73°35'13", Putnam County, Hydrologic Unit 02030101, at bridge on State Highway 22 near Thunder Ridge Road, about 0.5 mi upstream from mouth, and about 1.2 mi southeast of Patterson.	1.45		7-12-00	*0.43
0137449305 Quaker Brook	East Branch Croton River	Lat 41°29'55", long 73°32'01", Putnam County, Hydrologic Unit 02030101, at bridge on Haviland Hollow Road (County Route 68) at New York/Connecticut border, about 1.0 mi north of Putnam Lake.	6.92		7-12-00	*2.00
0137449380 Haviland Hollow Brook	East Branch Croton River	Lat 41°29'39", long 73°32'47", Putnam County, Hydrologic Unit 02030101, at bridge on Brimstone Road/Phillard Court, 0.75 mi downstream from Quaker Brook, and about 1.0 mi north of Putnam Lake.	9.71		7-12-00	*3.21
0137449435 Putnam Lake Tributary	Putnam Lake	Lat 41°28'22", long 73°32'06", Putnam County, Hydrologic Unit 02030101, at culvert on Lake Shore Drive, about 100 ft east of Putnam Lake, near New York/Connecticut border.	0.52		7-12-00 8- 8-00	*0.25 0.56
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		8- 8-00 9-14-00	5.00 *0.63
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		7-11-00	*0.99
0137452005 Tonetta Brook	East Branch Croton River	Lat 41°23'29", long 73°37'04", Putnam County, Hydrologic Unit 02030101, at mouth, at bridge on Railroad Avenue, in Brewster.	3.20		7-11-00 8- 8-00	*1.18 12.2

* Base flow.
‡ Operated as a continuous-record gaging station.

Discharge measurements made at miscellaneous sites during water year 2000--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Hudson River basin--Continued				
01374540 Holly Stream	East Branch Croton River	Lat 41°22'18", long 73°38'14", Putnam County, Hydrologic Unit 02030101, at bridge on U.S. Highway 202, 0.1 mi upstream from mouth, 1.9 mi southwest of Brewster, and 2.1 mi northeast of Croton Falls.	4.82	1962, 1964-66, 1970, 1973	7-11-00	*1.47
0137454970 West Branch Croton River Tributary #3	West Branch Croton River	Lat 41°27'35", long 73°47'35", Putnam County, Hydrologic Unit 02030101, at culvert at intersection of Richardsville Road and Waterfall Lane, 0.17 mi upstream of confluence with West Branch Croton River, and about 0.5 mi southwest of Sagamore Lake.	0.60		7-10-00	*0.12
01374580 Boyd Corners Reservoir	West Branch Reservoir	Lat 41°27'03", long 73°44'17", Putnam County, Hydrologic Unit 02030101, at outlet, at bridge on State Highway 301, 1.0 mi southeast of Kent Cliffs, near East Boyds Lake Road.	22.4		7-10-00	22.9
01374596 Gypsy Trail Creek	West Branch Reservoir	Lat 41°25'54", long 73°41'58", Putnam County, Hydrologic Unit 02030101, at bridge on Gypsy Trail Road, about 0.2 mi north of State Highway 301, and 1.0 mi west of Carmel.	3.61		7-10-00	*1.82
0137462040 West Branch Croton River Tributary	West Branch Croton River	Lat 41°23'51", long 73°42'03", Putnam County, Hydrologic Unit 02030101, behind NYSEG power substation off Drewsville Road, about 0.3 mi east of U.S. Highway 6, and about 3.0 mi northeast of Mahopac.	0.26		7-11-00	*0.06
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		7-10-00	*0.09
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	8- 8-00	1.97
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		7-10-00 8- 8-00	*1.67 5.27
01374775 North Salem Tributary	Titicus River	Lat 41°20'10", long 73°33'58", Westchester County, Hydrologic Unit 02030101, at culvert near intersection of Peach Lake Road and Wallace Road, about 75 ft upstream from mouth, in North Salem.	0.91		7-13-00	*0.06
01374780 Titicus River	Titicus Reservoir	Lat 41°19'32", long 73°35'25", Westchester County, Hydrologic Unit 02030101, at bridge on State Highway 124 (June Road), 0.4 mi southeast of Salem Center.	12.4	1974, 1976	7-12-00	*2.21
01374788 Crook Brook	Titicus River	Lat 41°19'24", long 73°35'49", Westchester County, Hydrologic Unit 02030101, at bridge on Quaker Hill Road, 0.2 mi upstream from Titicus River, and 0.4 mi south of Salem Center.	3.88	1976	7-12-00	*0.60
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 upstream from mouth, and 2.0 mi east of Baldwin Place.	0.07		7-11-00	*0.01

* Base flow.

Discharge measurements made at miscellaneous sites during water year 2000--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Hudson River basin--Continued				
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	7-10-00	*1.82
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		7-12-00 8-30-00	*4.62 4.98
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	7-12-00	*2.44
01374921 Stone Hill River Tributary	Stone Hill River	Lat 41°14'45", long 73°41'06", Westchester County, Hydrologic Unit 02030101, at bridge on northbound ramp to Sawmill Parkway near intersection of Railroad Avenue and Harris Road, 0.2 mi east of Bedford Hills.	1.21		8- 1-00 8-10-00	2.95 1.60
01374963 Hallocks Mill Brook	Muscoot River	Lat 41°17'08", long 73°45'58", Westchester County, Hydrologic Unit 02030101, at bridge on Pine Bridges Road, 1.0 mi upstream from Muscoot River, in Amawalk.	11.4	1976	7-10-00 8-10-00	*4.70 8.41
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		7-12-00 8-10-00	*0.72 2.72
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	8-10-00	13.9
01374988 Gedney Brook	New Croton Reservoir	Lat 41°12'52", long 73°46'14", Westchester County, Hydrologic Unit 02030101, at bridge on Seven Bridges Road, 0.1 mi upstream from New Croton Reservoir, and 1.6 mi west of Mt. Kisco.	2.01	1976	7-11-00	*0.67
0137498902 East Tributary	Cornell Brook	Lat 41°12'16", long 73°46'55", Westchester County, Hydrologic Unit 02030101, at culvert on Random Farms Drive, about 0.6 mi upstream from mouth, and about 1.0 mi north of Millwood.	0.40		7-11-00	*0.46
0137498904 Cornell Brook	New Croton Reservoir	Lat 41°12'35", long 73°47'05", Westchester County, Hydrologic Unit 02030101, at culvert on Overbrook Drive, about 0.8 mi upstream from mouth, and about 1.0 mi north of Millwood.	0.98		7-11-00	*0.23
0137498960 Locke Ledge Tributary #5	New Croton Reservoir	Lat 41°14'08", long 73°47'18", Westchester County, Hydrologic Unit 02030101, at bridge on Saw Mill River Road (County Route 118), about 0.1 mi upstream from mouth, near Somers.	0.84		7-11-00	*0.24
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	7-10-00	*1.26

* Base flow.

Discharge measurements made at miscellaneous sites during water year 2000--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Delaware River basin				
01421200 Cadosia Creek	East Branch Delaware River	Lat 41°58'03", long 75°15'51", Delaware County, Hydrologic Unit 02040102, at bridge on State Highway 236, 0.3 mi upstream from mouth, at Cadosia.	17.9	1949-50, 1955, 1957-71, 1973-99	6- 9-00 7-13-00	16.0 *7.97
01426000 Oquaga Creek	West Branch Delaware River	Lat 42°03'31", long 75°25'42", Broome County, Hydrologic Unit 02040101, on left bank, 150 ft downstream from Bone Creek, 0.3 mi upstream from mouth, 0.1 mi upstream from Mill Street bridge, in Deposit.	67.6	1941-73‡, 1975-76, 1979-99	6- 9-00 7-13-00 8-29-00	58.2 *18.5 *6.17
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‡, 1978-99	7-12-00 8-18-00 8-30-00 9-14-00	*15.9 81.7 *20.9 47.1
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, 1945, 1960-62, 1965-99	7-11-00	218
		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	1909-99	4-24-00 6-13-00 7-24-00 8-28-00	947 790 404 704
04257310 Beaver River	Black River	Lat 43°53'09", long 75°09'50", Lewis County, Hydrologic Unit 04150101, at outlet of Beaver Lake, 500 ft downstream from Alder Creek, near Number Four.	218		9-28-99 10-19-99 10-26-99	630 171 552

* Base flow.
‡ Operated as a continuous-record gaging station.

Mohawk River Flow Distribution

A total of 24 discharge measurements were made July 27-28, 1999, in branches 1, 2, and 3 of the Mohawk River just downstream from the gaging station, Mohawk River at Cohoes (01357500). Measurements were also made at the gaging station. The measurements were made during controlled releases through the Adirondack Hydro Development Corporation's (AHDC) facility located downstream from the gaging station. Flow releases ranged from 500 ft^3/s to 2,000 ft^3/s and 2 discharge measurements were made in each branch and at the gaging station in increments of 500 ft^3/s.

LOCATION	DATE	RELEASE (ft^3/s)	MEASURED DISCHARGE (ft^3/s) #1	#2
01357500	7-27-99	1,500	1,560	1,550
	7-27-99	500	664	745
	7-28-99	1,000	994	1,030
	7-28-99	2,000	2,440	2,400
branch 1	7-27-99	1,500	55.6	56.2
	7-27-99	500	14.6	14.0
	7-28-99	1,000	37.8	33.5
	7-28-99	2,000	83.2	77.7
branch 2	7-27-99	1,500	613	591
	7-27-99	500	345	303
	7-28-99	1,000	449	455
	7-28-99	2,000	708	718
branch 3	7-27-99	1,500	508	578
	7-27-99	500	452	430
	7-28-99	1,000	374	363
	7-28-99	2,000	615	560

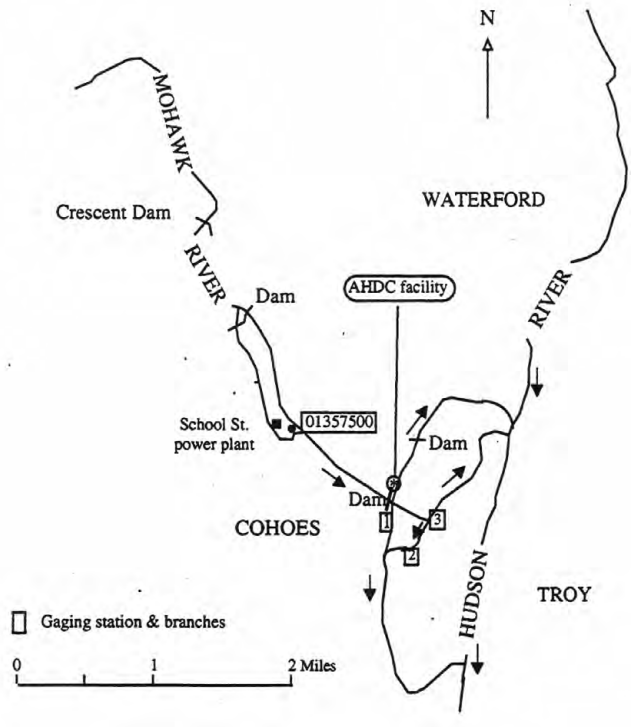


Figure 10.--Location of gaging station Mohawk River at Cohoes (01357500) and branches 1, 2, and 3 of the Mohawk River.

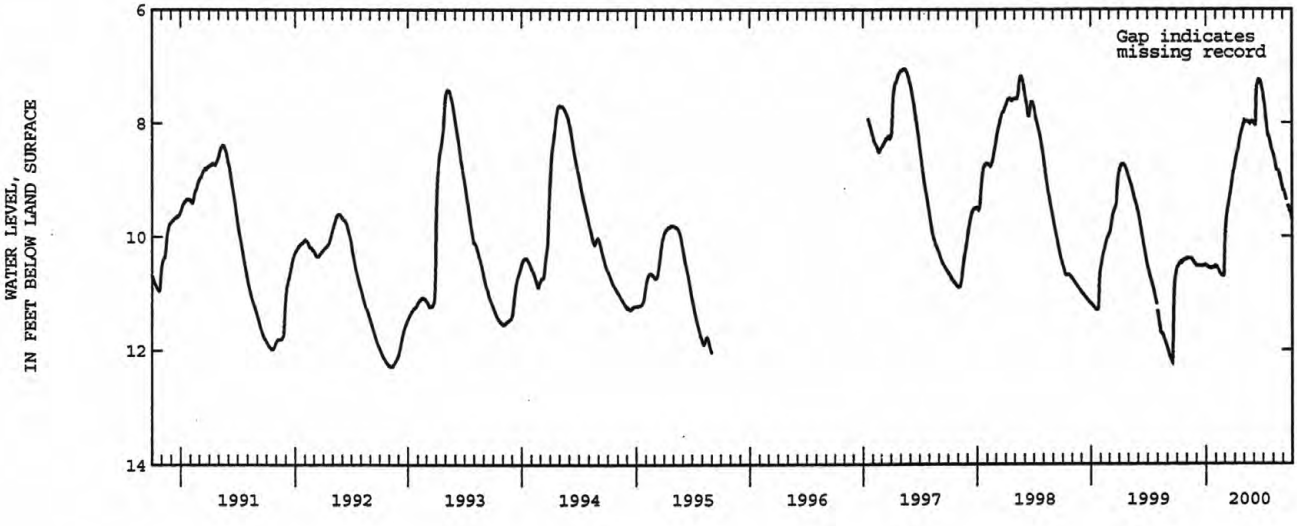
ALBANY COUNTY

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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.54	10.40	10.52	10.51	10.53	10.13	8.76	8.00	8.00	7.51	8.55	9.19
2	10.54	10.39	10.52	10.51	10.53	9.97	8.72	7.98	8.01	7.56	8.56	9.20
3	10.53	10.38	10.52	10.52	10.53	9.86	8.69	7.99	8.02	7.61	8.59	9.20
4	10.52	10.38	10.52	10.53	10.53	9.77	8.64	7.99	8.03	7.64	8.61	9.20
5	10.51	10.39	10.52	10.53	10.54	9.70	8.62	7.98	8.04	7.68	8.64	9.22
6	10.50	10.39	10.52	10.54	10.56	9.65	8.59	7.97	8.06	7.73	8.67	9.24
7	10.49	10.39	10.52	10.54	10.57	9.62	8.58	7.97	7.94	7.79	8.69	9.26
8	10.48	10.39	10.52	10.55	10.58	9.57	8.54	7.97	7.67	7.84	8.73	9.28
9	10.48	10.39	10.52	10.55	10.59	9.53	8.52	7.97	7.47	7.90	8.76	9.30
10	10.47	10.39	10.52	10.55	10.60	9.51	8.51	7.97	7.38	7.95	8.79	9.31
11	10.46	10.39	10.52	10.55	10.61	9.49	8.50	7.98	7.34	7.99	8.82	9.34
12	10.46	10.39	10.52	10.55	10.62	9.44	8.47	7.98	7.33	8.05	8.84	9.36
13	10.45	10.39	10.52	10.56	10.64	9.42	8.45	7.99	7.32	8.11	8.85	9.37
14	10.44	10.39	10.52	10.57	10.64	9.38	8.40	7.99	7.30	8.16	---	---
15	10.44	10.39	10.52	10.57	10.65	9.34	8.36	7.99	7.26	8.20	---	---
16	10.44	10.39	10.52	10.57	10.66	9.30	8.32	8.00	7.24	8.23	---	---
17	10.45	10.40	10.52	10.56	10.67	9.27	8.30	8.00	7.24	8.23	---	9.46
18	10.44	10.41	10.52	10.56	10.67	9.24	8.27	8.00	7.25	8.24	8.84	9.47
19	10.44	10.42	10.52	10.56	10.68	9.20	8.25	8.00	7.25	8.26	8.86	9.49
20	10.44	10.43	10.52	10.55	10.69	9.16	8.22	8.01	7.25	8.27	8.89	9.49
21	10.43	10.43	10.52	10.55	10.69	9.12	8.20	8.00	7.26	8.30	8.92	9.52
22	10.42	10.45	10.52	10.54	10.70	9.08	8.17	8.00	7.27	8.32	8.95	9.56
23	10.41	10.45	10.52	10.54	10.70	9.04	8.15	7.99	7.28	8.35	8.97	9.57
24	10.41	10.46	10.52	10.55	10.70	9.00	8.13	7.97	7.31	8.38	8.96	9.56
25	10.41	10.47	10.52	10.55	10.70	8.96	8.12	7.97	7.33	8.41	8.98	9.58
26	10.41	10.48	10.51	10.55	10.70	8.92	8.10	7.97	7.36	8.44	9.02	9.61
27	10.40	10.48	10.51	10.55	10.65	8.90	8.07	7.98	7.39	8.47	9.06	9.62
28	10.40	10.49	10.51	10.54	10.51	8.86	8.05	7.98	7.42	8.48	9.09	9.66
29	10.40	10.50	10.50	10.52	10.31	8.84	8.03	7.98	7.45	8.50	9.11	9.69
30	10.40	10.51	10.50	10.52	---	8.82	8.02	7.99	7.47	8.52	9.15	9.70
31	10.40	---	10.51	10.52	---	8.79	---	8.00	---	8.53	9.17	---
TOTAL	324.01	312.61	326.04	326.86	307.75	288.88	250.75	247.56	224.94	251.65	239.07	254.45
MEAN	10.45	10.42	10.52	10.54	10.61	9.32	8.36	7.99	7.50	8.12	8.85	9.42
MAX	10.54	10.51	10.52	10.57	10.70	10.13	8.76	8.01	8.06	8.53	9.17	9.70
MIN	10.40	10.38	10.50	10.51	10.31	8.79	8.02	7.97	7.24	7.51	8.55	9.19



DUTCHESS COUNTY

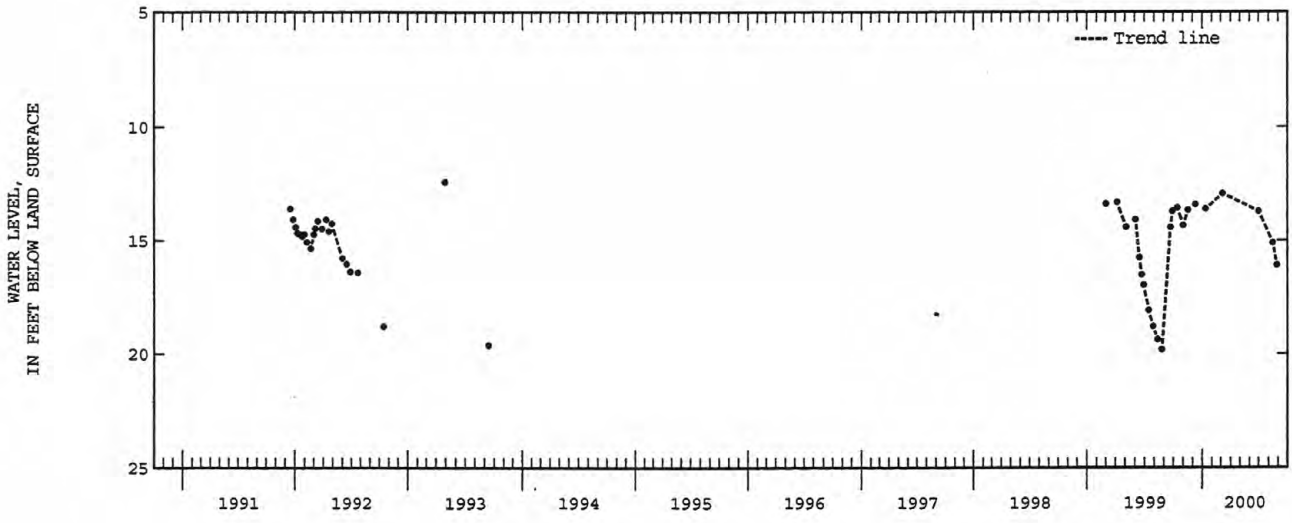
414128073475201. Local number, Du 1009.

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.
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 to September 1999.
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 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	13.57	NOV 16	13.67 Z	JAN 11	13.61	JUN 30	13.72	AUG 28	16.10 Z
NOV 01	14.34	DEC 09	13.41	MAR 06	12.94	AUG 15	15.12		

Z Measured by USGS personnel.



ONEIDA COUNTY

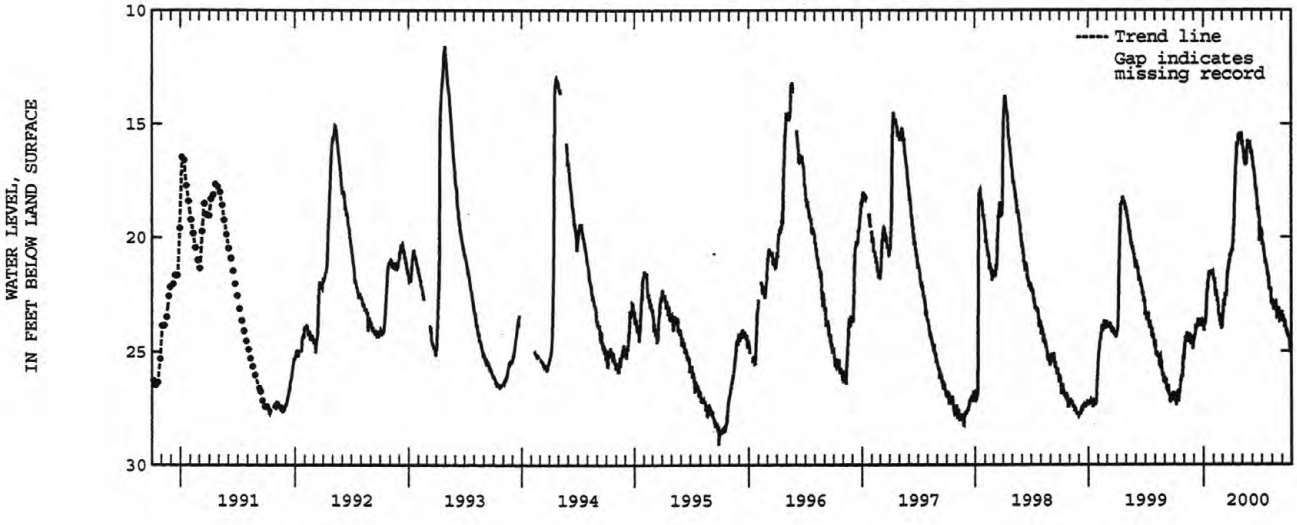
433112075091501. Local number, Oe 151.

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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.91	25.01	24.43	23.89	21.80	23.56	20.36	15.79	16.58	20.10	22.84	23.32
2	27.12	24.85	24.48	24.12	21.87	23.36	20.20	15.79	16.51	20.35	22.73	23.51
3	27.24	24.67	24.43	23.84	21.87	23.10	19.88	16.06	16.73	20.30	22.99	23.47
4	27.01	24.63	24.28	23.69	21.87	22.79	19.53	16.13	16.87	20.30	23.01	23.47
5	26.83	24.41	24.33	23.69	22.16	22.78	19.52	16.10	17.00	20.31	22.90	23.74
6	27.29	24.35	24.13	23.71	22.31	23.04	19.19	16.30	16.93	20.58	23.16	23.70
7	27.40	24.52	23.85	23.58	22.57	22.90	18.48	16.60	17.11	20.61	23.19	23.64
8	27.01	24.51	24.07	23.42	22.49	22.64	17.97	16.66	17.23	20.69	23.04	23.60
9	26.84	24.29	24.01	23.18	22.33	22.45	17.66	16.77	17.35	20.88	22.97	23.93
10	26.82	24.19	23.83	22.80	22.50	22.53	17.32	16.70	17.47	21.04	23.06	23.99
11	27.02	24.32	23.92	22.39	22.58	22.51	16.92	16.83	17.91	21.02	23.07	23.86
12	27.13	24.39	23.95	22.33	22.84	22.60	16.62	16.67	17.85	21.03	22.83	23.83
13	27.11	24.45	23.76	22.26	22.80	22.32	16.50	16.52	17.84	21.10	22.82	23.94
14	27.25	24.47	23.68	21.95	22.68	21.98	16.04	16.76	18.01	21.27	22.88	24.12
15	27.00	24.61	23.58	21.86	22.90	21.75	15.82	16.54	18.23	21.22	23.23	24.11
16	26.89	24.30	23.66	21.81	23.04	21.53	15.96	16.12	18.37	21.36	23.47	24.04
17	26.73	24.35	23.78	21.61	23.42	21.45	15.88	15.92	18.66	21.54	23.45	24.20
18	26.81	24.33	23.62	21.55	23.37	21.43	15.85	15.72	18.64	21.66	23.33	24.31
19	26.62	24.49	23.85	21.55	23.47	21.28	15.63	15.79	18.64	21.70	23.15	24.27
20	26.45	24.55	23.65	21.55	23.37	21.10	15.45	15.93	18.76	21.68	23.25	24.36
21	26.22	24.71	23.68	21.54	23.74	21.07	15.44	16.07	18.98	21.77	23.10	24.38
22	26.35	24.55	23.91	21.54	23.65	21.07	15.47	15.86	19.07	22.11	23.14	24.32
23	26.12	24.42	23.85	21.55	23.73	20.93	15.62	15.82	19.14	22.32	23.31	24.35
24	26.09	24.32	23.91	21.54	23.90	20.72	15.61	15.94	20.18	22.19	23.47	24.45
25	26.04	24.42	23.77	21.57	23.82	20.80	15.62	15.91	19.83	22.29	23.67	24.77
26	26.16	24.37	23.56	21.69	23.78	20.80	15.52	16.00	19.59	22.29	23.66	25.08
27	25.79	24.85	23.69	21.46	23.97	20.67	15.51	16.17	19.64	22.31	23.59	24.97
28	25.49	24.90	23.83	21.54	23.96	20.67	15.38	16.26	19.75	22.25	23.62	24.76
29	25.27	24.78	23.94	21.52	23.72	20.52	15.48	16.26	19.65	22.68	23.42	24.67
30	25.28	24.39	23.79	21.65	---	20.57	15.90	16.21	19.71	22.91	23.36	24.81
31	25.29	---	23.86	21.77	---	20.60	---	16.25	---	22.96	23.32	---

WTR YEAR 2000 HIGHEST 15.27 Apr. 21, 2000 LOWEST 27.88 Oct. 6, 1999



ST. LAWRENCE COUNTY

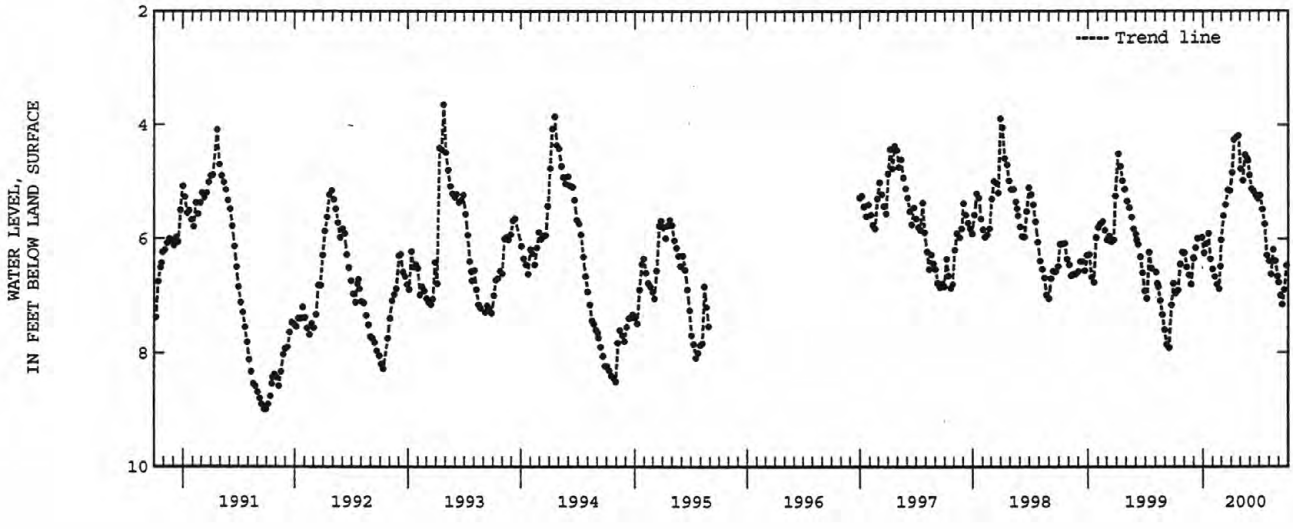
444904074455201. Local number, St 40.

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.
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 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	6.96	DEC 06	6.16	FEB 21	6.88	APR 24	4.19	JUN 26	5.29	AUG 31	6.77 Z
11	6.91	13	6.00	25	6.49 Z	MAY 01	4.77	JUL 03	5.24	SEP 06	7.00
18	6.45	28	5.98	28	6.02	08	4.97	10	5.48	11	7.16
25	6.24	JAN 03	6.25	MAR 06	5.59	15	4.53	17	5.74	18	6.90
NOV 01	6.25	10	6.09	13	5.40	22	4.59	24	6.29	25	6.47
08	6.50	17	5.91	20	5.14	25	4.63 Z	31	6.39		
15	6.64	24	6.36	27	5.15	30	4.88	AUG 07	6.62		
22	6.80	31	6.54	APR 03	4.84	JUN 05	5.12	14	6.19		
29	6.33	FEB 07	6.67	10	4.26	12	5.16	21	6.39		
30	6.35 Z	14	6.80	17	4.22	19	5.23	28	6.66		

Z Measured by USGS personnel.



SARATOGA COUNTY

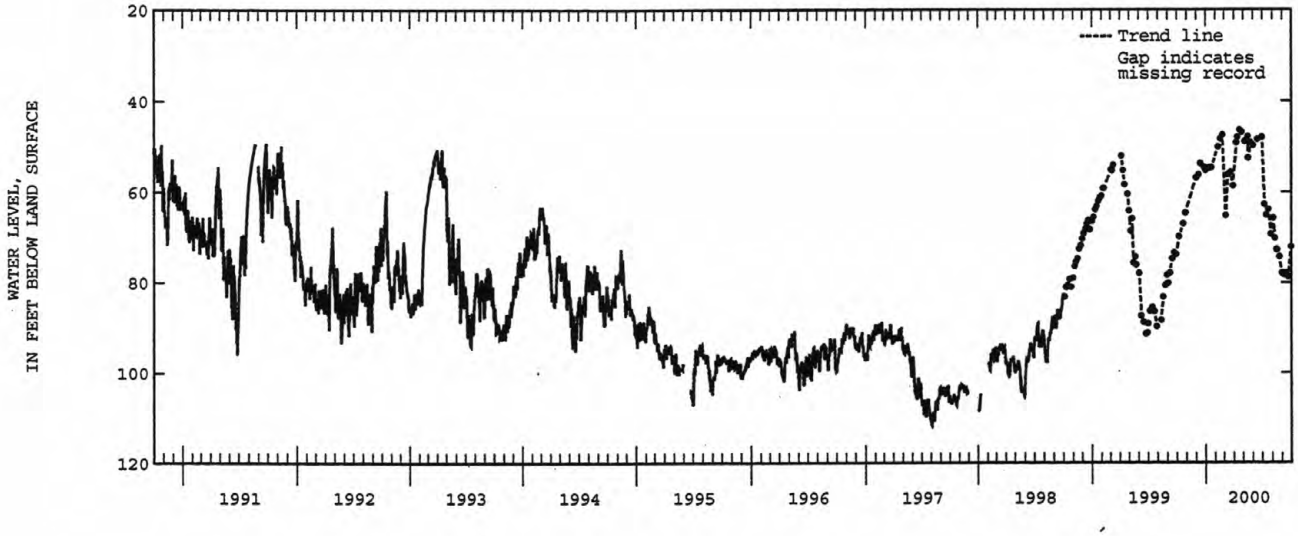
425242073473201. Local number, Sa 1100.

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.--Water-stage recorder--hourly. Recorder removed May 24, 1999 and weekly measurements by observer since June 1999.
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 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 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	69.90	DEC 31	55.32	MAR 12	56.23	MAY 05	48.98	JUL 12	65.07	AUG 31	77.90
20	67.07	JAN 05	54.90	15	56.07	14	47.90	19	63.90	SEP 06	78.23
27	64.65	12	54.73	21	55.73	17	52.57	27	69.32	13	77.90
NOV 30	56.90	19	54.65	28	58.65	24	49.15	AUG 04	65.82	20	78.73
DEC 01	56.90	FEB 09	50.15	APR 09	49.23	JUN 01	49.82	09	70.23	29	72.15
08	56.23	16	48.40	12	48.07	14	48.57	15	72.73 Z		
15	53.73	23	47.57	19	46.48	29	48.07	16	72.82		
26	54.57	MAR 05	65.23	26	46.90	JUL 07	62.73	23	74.32		

Z Measured by USGS personnel.



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 2000 water year are published immediately following the discharge records for those sites.

NAWQA ground-water data collected in the Hudson River basin during the 2000 water year are compiled in a table in this section also. Additional information describing data-collection methods is summarized at the beginning of the table. More detailed explanations of the data-collection methods are available in the following reports:

Koterba, M., Wilde, F., and Lapham, W., 1995, Ground-water data collection protocols and procedures for the National Water-Quality Assessment program: Collection and documentation of water-quality samples and related data: U.S. Geological Survey Open-File Report 95-399, 113 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.

Schedule 2001/2010 method

(MDL, method detection limit; ug/L, microgram per liter)

Parameter Code	Compound Name	MDL	Unit	Parameter Code	Compound Name	MDL	Unit
49260	Acetochlor	0.002	ug/L	39532	Malathion	0.005	ug/L
46342	Alachlor (Lasso)	0.002	ug/L	39415	Metolachlor (Dual)	0.002	ug/L
04040	Atrazine, deethyl-	0.002	ug/L	82630	Metribuzin (Lexone, Sencor)	0.004	ug/L
39632	Atrazine	0.001	ug/L	82671	Molinate (Ordram)	0.004	ug/L
82686	Azinphos-methyl (Guthion)	0.001	ug/L	82684	Napropamide (Devrinol)	0.003	ug/L
82673	Benfluralin (Benefin, Balan, Bonalin)	0.002	ug/L	39542	Parathion, Ethyl-	0.004	ug/L
04028	Butylate (Genate Plus, Suntan+)	0.002	ug/L	82667	Parathion, Methyl- (Penncap-M)	0.006	ug/L
82680	Carbaryl (Sevin)	0.003	ug/L	82669	Pebulate (Tillam)	0.004	ug/L
82674	Carbofuran (Furandan)	0.003	ug/L	82683	Pendimethalin	0.004	ug/L
38933	Chlorpyrifos	0.004	ug/L	82687	Permethrin, *cis-*	0.005	ug/L
04041	Cyanazine	0.004	ug/L	82664	Phorate (Thimet)	0.002	ug/L
82682	Dacthal (DCPA, Chlorthal-dimethyl)	0.002	ug/L	82676	Pronamide (Kerb, Propyzamid)	0.003	ug/L
34653	DDE, *p,p'-*	0.006	ug/L	04037	Prometon	0.018	ug/L
39572	Diazinon	0.002	ug/L	04024	Propachlor (Ramrod)	0.007	ug/L
39381	Dieldrin	0.001	ug/L	82679	Propanil (Stampede)	0.004	ug/L
82660	Diethylaniline, 2,6-	0.003	ug/L	82685	Propargite (Omite, alkyl sulfite)	0.013	ug/L
82667	Disulfoton	0.017	ug/L	04035	Simazine (Aquazine, Princep)	0.005	ug/L
82668	EPTC (Eptam)	0.002	ug/L	82681	Thiobencarb (Bolero)	0.002	ug/L
82663	Ethalfluralin (Sonalin)	0.004	ug/L	82670	Tebuthiuron (Spike)	0.010	ug/L
82672	Ethoprop (Mocap, Ethoprophos)	0.003	ug/L	82665	Terbacil (Sinbar)	0.007	ug/L
04095	Fonofos	0.003	ug/L	82675	Terbufos (Counter)	0.013	ug/L
34253	HCH, alpha-	0.002	ug/L	82678	Triallate (Avadex BW, Far-Go)	0.001	ug/L
39341	HCH, gamma- (Lindane)	0.004	ug/L	82661	Trifluralin (Treflan)	0.002	ug/L
82666	Linuron (Lorox, Linex)	0.002	ug/L	04022	Terbuthylazine	0.100	ug/L

USGS Kansas District Organic Geochemistry Laboratory **GCMS method**

Parameter Code	Compound Name	MDL	Unit	Parameter Code	Compound Name	MDL	Unit
38401	Ametryn	0.05	ug/L	04036	Prometryn	0.05	ug/L
61709	Cyanazine Amide	0.05	ug/L	38535	Propazine	0.05	ug/L
04038	Deisopropyl Atrazine	0.05	ug/L	38888	Terbutryn	0.05	ug/L

USGS Kansas District Organic Geochemistry Laboratory **HPLC method**

Parameter Code	Compound Name	MDL	Unit	Parameter Code	Compound Name	MDL	Unit
61029	Acetachlor Ethanesulfonic Acid	0.20	ug/L	61030	Acetachlor Oxanilic Acid	0.20	ug/L
50009	Alachor Ethanesulfonic Acid	0.20	ug/L	61031	Alachlor Oxanilic Acid	0.20	ug/L
61043	Metachlor Ethanesulfonic Acid	0.20	ug/L	61044	Metolachlor Oxanilic Acid	0.20	ug/L

USGS Kansas District Organic Geochemistry Laboratory **LCMS method**

Parameter Code	Compound Name	MDL	Unit	Parameter Code	Compound Name	MDL	Unit
61029	Acetachlor Ethanesulfonic Acid	0.05	ug/L	61030	Acetachlor Oxanilic Acid	0.05	ug/L
50009	Alachor Ethanesulfonic Acid	0.05	ug/L	61031	Alachlor Oxanilic Acid	0.05	ug/L
61043	Metachlor Ethanesulfonic Acid	0.05	ug/L	61044	Metolachlor Oxanilic Acid	0.05	ug/L

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. Samples were analyzed for pesticides using Schedule 2001/2010 method (see table following the Introduction to the Hudson NAWQA section). Only those compounds detected at or above the method detection limit (MDL) were included in the following table.

Estimated values are those preceded by an E, 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.

STATION NUMBER	STATION NAME	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
01301830	WHIPPOORWILL CREEK NEAR PLEASANTVILLE NY	07-12-00	0910	.14	E.003	<.003
01301850	BEAR GUTTER CREEK NEAR ARMONK NY	07-12-00	0830	.10	<.001	<.003
01301870	KENSICO TRIBUTARY E-11, EAST OF VALHALLA NY	07-12-00	1010	.09	<.001	<.003
01374488	BRADY BROOK NEAR PAWLING NY	07-12-00	1410	2.2	.009	<.003
01374491	STEPHENS BROOK NEAR PATTERSON NY	07-12-00	1110	.43	<.001	<.003
0137449210	MUDDY BROOK NEAR PATTERSON NY	07-12-00	1500	--	E.002	<.003
0137449305	QUAKER BROOK AT MOUTH AT PUTNAM LAKE NY	07-12-00	1020	2.0	<.005	<.003
0137449380	HAVILAND HOLLOW BROOK NORTH OF PUTNAM LAKE NY	07-12-00	0920	3.2	<.005	<.003
0137449435	PUTNAM LAKE TRIB EAST AT PUTNAM LAKE NY	07-12-00	0830	.25	E.004	<.003
0137449440	PUTNAM LAKE TRIB WEST AT PUTNAM LAKE NY	08-23-00	1340	E.10	<.001	<.003
0137449450	PUTNAM LAKE AT DAM, AT PUTNAM LAKE NY	07-31-00	0900	--	.006	<.003
0137449450	PUTNAM LAKE AT DAM, AT PUTNAM LAKE NY	09-14-00	0930	.63	E.004	<.003
0137449480	EAST BRANCH CROTON RIVER NEAR PUTNAM LAKE NY	07-12-00	0800	19	E.003	<.003
0137449494	PEACH LAKE BROOK AT MOUTH AT BREWSTER NY	07-11-00	1530	.99	.006	<.003
0137452005	TONETTA BROOK AT MOUTH AT BREWSTER NY	07-11-00	1420	1.2	.009	<.003
01374540	HOLLY STREAM NEAR BREWSTER NY	07-11-00	1310	1.5	<.001	<.003
0137454970	W BR CROTON RIVER TRIB NO.3 NR SAGAMORE LAKE NY	07-10-00	1000	.12	<.001	<.003
01374580	BOYD CORNERS RESERVOIR AT KENTCLIFFS NY	07-10-00	1040	23	.004	<.003
01374596	GYPSY TRAIL CREEK NEAR CARMEL NY	07-10-00	1200	1.8	<.001	<.003
01374598	HORSE POUND BROOK NEAR LAKE CARMEL NY	07-11-00	0810	1.4	E.003	<.003
0137462010	WEST BRANCH CROTON RIVER NEAR CARMEL NY	07-10-00	1530	35	.006	<.003
0137462040	W BR CROTON RIVER TRIB NORTHEAST OF MAHOPAC NY	07-11-00	1010	.06	<.001	<.003
†01374654	MIDDLE BRANCH CROTON RIVER NEAR CARMEL NY	07-10-00	1350	3.0	.005	<.003
01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	07-10-00	1410	.09	E.003	<.003
*01374657	MIDDLE BRANCH RESERVOIR TRIBUTARY NEAR CARMEL NY	07-10-00	1411	.09	E.003	<.003
01374674	MICHAEL BROOK NEAR CARMEL NY	07-10-00	1450	1.7	.004	E.017
01374775	NORTH SALEM TRIB TO TITICUS R @ NORTH SALEM NY	07-13-00	0920	.06	E.003	<.003
01374780	TITICUS RIVER AT SALEM CENTER NY	07-13-00	1040	2.2	<.005	<.003
01374788	CROOK BROOK AT SALEM CENTER NY	07-12-00	1530	.60	<.001	<.003
01374821	TITICUS RIVER AT PURDYS STATION NY	07-12-00	1625	7.0	E.003	<.003
01374848	LAKE LINCOLNDALE TRIB ABOVE LAKE LINCOLNDALE NY	07-11-00	1140	.01	<.001	<.003
01374860	PLUM BROOK AT LINCOLNDALE NY	07-10-00	1520	1.8	.008	<.003
01374890	CROSS RIVER NEAR CROSS RIVER NY	07-11-00	1550	3.1	E.003	<.003
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	07-12-00	1350	4.6	.067	E.006
01374916	STONE HILL RIVER NEAR BEDFORD HILLS NY	08-30-00	1550	5.0	<.001	<.003
01374917	BROAD BROOK AT KATONAH NY	08-30-00	1430	2.4	<.001	<.003
01374921	STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY	08-01-00	1140	3.0	<.001	E.14
01374930	MUSCOOT RIVER AT BALDWIN PLACE NY	07-11-00	1240	2.6	.007	<.003
01374941	MUSCOOT RIVER BELOW DAM AT AMAWALK NY	07-10-00	1425	14	.007	<.003
01374963	HALLOCKS MILL BROOK AT AMAWALK NY	07-10-00	1335	4.7	.005	E.027
01374976	ANGLE FLY BROOK AT WHITEHALL CORNERS NY	07-10-00	1440	.62	<.001	<.003
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	07-12-00	1135	.72	<.001	<.003
0137498340	KISCO R TRIB EAST OF CHAPPAQUA BK, NR MT KISCO NY	08-10-00	1625	2.7	<.001	<.003
01374985	KISCO RIVER AT MOUNT KISCO NY	08-10-00	1515	14	<.001	E.016
†01374987	KISCO RIVER BELOW MOUNT KISCO NY	07-11-00	0840	5.8	E.004	E.017
*01374987	KISCO RIVER BELOW MOUNT KISCO NY	07-11-00	0841	5.8	E.004	E.016
01374988	GEDNEY BROOK NEAR MOUNT KISCO NY	07-11-00	0955	.67	<.001	<.003
0137498902	EAST TRIB TO CORNELL BROOK NEAR MILLWOOD NY	07-11-00	1040	.46	E.003	<.003
0137498904	CORNELL BROOK NEAR MILLWOOD NY	07-11-00	1125	.23	<.001	<.003
0137498960	LOCKE LEDGE TRIB NO. 5 NEAR SOMERS NY	07-11-00	1430	.24	.006	<.003
01374992	HUNTER BROOK NEAR YORKTOWN NY	07-10-00	1120	1.3	<.001	<.003
01375000	CROTON R @ NEW CROTON DAM NR CROTON-ON-HUDSON NY	07-11-00	1335	127	.007	<.003

Surface-water synoptic sampling studies-Croton watershed-Hudson River basin--Continued
(National water-quality assessment program)

STATION NUMBER	DATE	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	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)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
01301830	07-12-00	<.004	E.003	<.002	<.005	<.001	<.002	E.004	E.005	<.002
01301850	07-12-00	<.004	<.002	<.002	<.005	<.001	<.002	E.004	<.005	<.002
01301870	07-12-00	<.004	<.002	<.002	<.005	<.001	<.002	E.004	<.005	<.002
01374488	07-12-00	<.004	E.006	<.002	<.005	<.001	<.002	<.018	.006	<.002
01374491	07-12-00	<.004	<.002	<.002	<.005	<.001	<.002	<.018	.011	<.002
0137449210	07-12-00	<.004	E.002	<.002	<.005	<.001	<.002	E.002	<.005	<.002
0137449305	07-12-00	<.004	<.002	<.002	<.005	<.001	<.002	<.018	<.005	<.002
0137449380	07-12-00	<.004	<.002	<.002	<.005	<.001	<.002	<.018	<.005	<.002
0137449435	07-12-00	<.004	E.003	E.002	<.005	<.001	<.002	E.003	<.005	E.003
0137449440	08-23-00	<.004	<.002	<.002	<.005	<.001	<.002	.019	<.005	<.002
0137449450	07-31-00	<.004	E.003	.010	<.005	<.001	<.002	E.007	<.005	<.002
0137449450	09-14-00	<.004	E.005	.005	<.005	<.001	<.002	E.010	<.005	<.002
0137449480	07-12-00	<.004	E.003	<.002	<.005	E.034	<.002	<.018	<.005	<.002
0137449494	07-11-00	<.004	E.004	<.002	<.005	<.001	<.002	E.005	<.005	<.002
0137452005	07-11-00	<.004	E.007	<.002	<.005	<.001	<.002	E.016	<.005	<.002
01374540	07-11-00	<.004	<.002	<.002	<.005	<.001	<.002	<.018	<.005	<.002
0137454970	07-10-00	<.004	<.002	<.002	<.005	<.001	<.002	<.018	<.005	<.002
01374580	07-10-00	<.004	E.004	<.002	<.005	<.001	<.002	E.003	<.005	<.002
01374596	07-10-00	<.004	<.002	<.002	<.005	<.001	<.002	<.018	<.005	<.002
01374598	07-11-00	<.004	E.004	<.002	<.005	<.001	<.002	E.004	<.005	<.002
0137462010	07-10-00	<.004	E.005	<.002	<.005	<.001	.005	<.018	<.005	<.002
0137462040	07-11-00	<.004	<.002	<.002	<.005	<.001	<.002	E.003	<.005	<.002
†01374654	07-10-00	<.004	E.005	.006	<.005	<.001	<.002	E.009	<.005	<.002
01374657	07-10-00	<.004	E.004	<.002	<.005	<.001	<.002	E.003	<.005	<.002
*01374657	07-10-00	<.004	E.004	<.002	<.005	<.001	<.002	<.018	<.005	<.002
01374674	07-10-00	<.004	E.004	<.002	<.005	<.001	.008	E.008	<.005	<.002
01374775	07-13-00	<.004	<.002	<.002	<.005	<.001	<.002	E.015	<.005	<.002
01374780	07-13-00	<.004	<.002	<.002	<.005	<.001	<.002	E.009	<.005	<.002
01374788	07-12-00	<.004	<.002	<.002	<.005	<.030	<.002	E.006	<.005	<.002
01374821	07-12-00	<.004	<.002	E.002	<.005	<.001	<.002	E.005	<.005	<.002
01374848	07-11-00	.020	<.002	<.002	<.005	<.001	<.002	E.006	<.005	<.002
01374860	07-10-00	<.004	E.004	E.003	<.005	<.001	<.002	E.009	.006	<.002
01374890	07-11-00	<.004	<.002	<.002	<.005	<.001	<.002	E.004	<.005	<.002
01374916	07-12-00	<.004	E.004	<.002	E.004	<.001	<.002	E.006	3.40	<.002
01374916	08-30-00	<.004	<.002	<.002	<.005	<.001	<.002	<.018	.056	<.002
01374917	08-30-00	.006	<.002	<.002	<.005	<.001	<.002	E.007	<.005	<.002
01374921	08-01-00	<.004	<.002	.116	.075	<.001	.005	.039	<.005	<.002
01374930	07-11-00	<.004	E.005	.005	<.005	<.001	<.002	E.005	<.005	<.002
01374941	07-10-00	<.004	E.006	.006	<.005	<.001	<.002	E.005	<.005	<.002
01374963	07-10-00	<.004	<.002	.022	<.005	<.001	<.002	E.007	<.005	<.002
01374976	07-10-00	<.004	<.002	<.002	<.005	<.001	<.002	<.018	<.005	<.002
0137498340	07-12-00	<.004	<.002	<.002	<.005	<.001	<.002	E.004	<.005	<.002
0137498340	08-10-00	<.004	<.002	E.004	<.005	<.001	<.002	E.005	<.005	<.002
01374985	08-10-00	<.004	<.002	.007	<.005	<.001	<.002	E.010	<.005	<.002
†01374987	07-11-00	<.004	E.004	E.003	<.005	<.001	<.002	E.010	<.005	<.002
*01374987	07-11-00	<.004	E.004	.004	<.005	<.001	<.002	E.009	E.004	<.002
01374988	07-11-00	<.004	<.002	<.002	<.005	<.001	<.002	E.015	<.005	<.002
0137498902	07-11-00	<.004	E.004	E.004	<.005	<.001	<.002	E.003	.005	<.002
0137498904	07-11-00	<.004	<.002	E.003	<.005	<.001	<.002	E.003	<.005	<.002
0137498960	07-11-00	<.004	E.004	E.004	<.005	<.001	<.002	E.007	E.004	<.002
01374992	07-10-00	<.004	E.003	.040	<.005	<.001	<.002	E.003	<.005	E.003
01375000	07-11-00	<.004	E.006	.005	<.005	<.001	.004	<.018	.006	<.002

Agricultural land-use survey-Hudson River basin
(National water-quality assessment program)

The agricultural land-use survey was designed to examine the effects of agricultural land use on shallow ground-water quality. The tile drain sample was analyzed for pesticides using the Schedule 2001/2010 method and the Kansas Organic Geochemistry Laboratory GCMS and HPLC methods (see tables following the Introduction to the Hudson NAWQA section). Only those compounds detected at or above the method detection limit (MDL) were included in the following table.

Estimated values are those preceded by an E.

DATE	STATION NUMBER	TIME	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	CYANAZINE-AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	METOLACHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLACHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METOLACHLOR WATER DISSOLV (UG/L) (39415)
OCT									
01...	425030074393901	1530	.007	.410	E.012	.06	9.08	2.84	.013

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. Data from New York sites are published in this report. Additional data from water-column, bed-sediment, and fish-community sampling conducted during 2000 at sites in New Jersey and Pennsylvania can be found in "Water Resources Data New Jersey, Water Year 2000, Volume 3. Water Quality Data", WDR NJ-00-3.

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. Samples from the Delaware River at Port Jervis were also analyzed for volatile organic compounds (VOCs). Only selected pesticides and VOCs (those detected in at least one sample from any site sampled throughout the Delaware River basin) are presented. All pesticides analyzed, with their method detection limits, are presented in tables following the Introduction to the Hudson NAWQA section in this report. The table below provides a list of all VOCs for which samples were analyzed, and shows their minimum reporting levels.

Volatile organic compounds in surface-water samples (schedule 2020/2021)

The National Water Quality Lab (NWQL) developed a method for accurate determination of VOCs in water in the nanogram per liter range, schedules 2020/2021. The method described in USGS Open-File Report 97-829 (Connor and others) is similar to USEPA method 524-2 (Munds, 1995) and the method described by Rose and Schroeder (1995). Minor improvements to instrument operating conditions include the following: additional compounds, quantitation ions that are different from those recommended in USEPA Method 524.2 because of interferences from the additional compounds, and a data reporting strategy for measuring detected compounds extrapolated at less than the lowest calibration standard or measured at less than the reporting limit. The non-detection value (NDV) is introduced as a statistically defined reporting limit designed to limit false positives and false negatives to less than 1 percent. The table below lists the volatile organic compounds on the schedule, the minimum reporting level (MRL) in micrograms per liter (µg/L), the U.S. Geological Survey National Water Information System parameter code, and the National Water Quality Laboratory compound name.

PCode	Compound Name	MRL (ug/L)
77041	Carbon disulfide	0.07
34506	1,1,1-Trichloroethane	0.032
34516	1,1,2,2-Tetrachloroethane	0.09
34511	1,1,2-Trichloroethane	0.06
34496	1,1-Dichloroethane	0.066
34501	1,1-Dichloroethylene	0.04
77168	1,1-Dichloropropene	0.026
77443	1,2,3-Trichloropropane	0.16
77651	1,2-Dibromoethane	0.036
32103	1,2-Dichloroethane	0.13
34541	1,2-Dichloropropane	0.068
34546	*trans*-1,2-Dichloroethylene	0.032
77170	2,2-Dichloropropane	0.05
73547	*trans*-1,4-Dichloro-2-butene	0.7
77103	2-Hexanone	0.7
81552	Acetone	5
34215	Acrylonitrile	1.2
77613	1,2,3-Trichlorobenzene	0.27
77221	1,2,3-Trimethylbenzene	0.12
34551	1,2,4-Trichlorobenzene	0.19
77222	1,2,4-Trimethylbenzene	0.056
77226	1,3,5-Trimethylbenzene	0.044
34566	1,3-Dichlorobenzene	0.054
34571	1,4-Dichlorobenzene	0.050
77223	Isopropylbenzene	0.032
77342	Butylbenzene	0.19
77224	*n*-Propylbenzene	0.042
34536	1,2-Dichlorobenzene	0.048
77350	*sec*-Butylbenzene	0.032
77353	*tert*-Butylbenzene	0.06
34030	Benzene	0.035
81555	Bromobenzene	0.036
50002	Bromoethene	0.10
32104	Bromoform	0.06
32102	Tetrachloromethane	0.06
34301	Chlorobenzene	0.028
32105	Dibromochloromethane	0.18
34311	Chloroethane	0.12
32106	Chloroform	0.052
77093	*cis*-1,2-Dichloroethylene	0.038
34704	*cis*-1,3-Dichloropropene	0.09
82625	1,2-Dibromo-3-chloropropane	0.21
30217	Dibromomethane	0.050

PCode	Compound Name	MRL (ug/L)
32101	Bromodichloromethane	0.048
34668	Dichlorodifluoromethane	0.27
81577	Diisopropyl ether	0.10
77562	1,1,1,2-Tetrachloroethane	0.030
34396	Hexachloroethane	0.19
81576	Diethyl ether	0.17
50004	*tert*-Butyl ethyl ether	0.054
50005	Methyl *tert*-Pentyl ether	0.11
34371	Ethylbenzene	0.030
77652	1,1,2-Trichlorotrifluoroethane	0.06
81607	Tetrahydrofuran	2.2
39702	Hexachlorobutadiene	0.14
50000	1,2,3,5-Tetramethylbenzene	0.20
73570	Ethyl methacrylate	0.18
81597	Methyl methacrylate	0.35
81593	Methyl acrylonitrile	0.6
77297	Bromochloromethane	0.044
49991	Methyl acrylate	1.4
77424	Methyl iodide	0.12
78032	*tert*-Butyl methyl ether	0.17
34413	Bromomethane	0.26
34418	Chloromethane	0.5
34423	Dichloromethane	0.38
81595	2-Butanone	1.6
78133	4-Methyl-2-pentanone	0.37
85795	*m*- and *p*-Xylene	0.06
34696	Naphthalene	0.25
77275	2-Chlorotoluene	0.042
77135	*o*-Xylene	0.038
77356	4-Isopropyl-1-methylbenzene	0.07
49999	1,2,3,4-Tetramethylbenzene	0.23
77173	1,3-Dichloropropane	0.12
78109	3-Chloropropene	0.20
77128	Styrene	0.042
34475	Tetrachloroethylene	0.10
77220	*o*-Ethyl toluene	0.06
77277	4-Chlorotoluene	0.06
34010	Toluene	0.05
34699	*trans*-1,3-Dichloropropene	0.09
39180	Trichloroethylene	0.038
34488	Trichlorofluoromethane	0.09
39175	Vinyl chloride	0.11

Statewide Pesticide Monitoring Project-New York City reservoirs (National water-quality assessment program)

Data from 10 surface-water sites (see figure 11 on next page) sampled by the Statewide Pesticide Monitoring project in conjunction with the New York State 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. A complete list of compounds included when pesticide analysis was performed on samples follows the Introduction to the Hudson NAWQA section. Samples collected in January 2000 were analyzed for pesticides using the USGS Schedule 2001/2010 method and the USGS Kansas District Organic Geochemistry Laboratory GCMS and HPLC methods. Samples collected from May 2000 and later were analyzed for pesticides using the USGS Schedule 2001/2010 method and the USGS Kansas District Organic Geochemistry Laboratory LCMS method. Only those compounds detected at or above the method detection limit (MDL) were included in the following table.

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

STATION NUMBER	STATION NAME	DATE	TIME	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
c01301900	KENSICO RESERVOIR AT VALHALLA NY	01-11-00	1140	<.005
d01301900	KENSICO RESERVOIR AT VALHALLA NY	01-11-00	1125	<.005
c01301900	KENSICO RESERVOIR AT VALHALLA NY	05-16-00	0925	<.005
d01301900	KENSICO RESERVOIR AT VALHALLA NY	05-16-00	0935	<.005
c01301900	KENSICO RESERVOIR AT VALHALLA NY	07-25-00	1030	<.005
d01301900	KENSICO RESERVOIR AT VALHALLA NY	07-25-00	1040	E.004
c01301900	KENSICO RESERVOIR AT VALHALLA NY	09-12-00	1415	<.005
d01301900	KENSICO RESERVOIR AT VALHALLA NY	09-12-00	1425	<.010
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	01-10-00	1200	<.005
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	05-15-00	0945	<.005
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	07-24-00	1000	<.005
01362230	DIVERSION FROM SCHOHARIE RESERVOIR	09-11-00	1000	<.005
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	01-10-00	0910	<.005
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	05-15-00	0800	<.005
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	07-24-00	0820	<.005
01363400	ASHOKAN RESERVOIR AT ASHOKAN NY	09-11-00	0815	<.005
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	01-10-00	0920	<.005
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	05-15-00	1000	.007
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	07-24-00	1000	<.005
01366400	RONDOUT RESERVOIR AT LACKAWACK NY	09-11-00	1110	.008
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	01-11-00	1025	<.005
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	05-16-00	1105	.007
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	07-25-00	1200	<.005
01374620	WEST BRANCH RESERVOIR NEAR CARMEL NY	09-12-00	1055	.008
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	01-11-00	1000	.007
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	05-16-00	1000	<.005
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	07-25-00	1115	E.005
01374995	NEW CROTON RESERVOIR NEAR CROTON-ON-HUDSON NY	09-12-00	1340	<.005
01415200	DIVERSION FROM PEPACTON RESERVOIR	01-10-00	0905	<.005
01415200	DIVERSION FROM PEPACTON RESERVOIR	05-15-00	1340	<.005
01415200	DIVERSION FROM PEPACTON RESERVOIR	07-24-00	1400	<.005
01415200	DIVERSION FROM PEPACTON RESERVOIR	09-11-00	1030	<.005
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	01-10-00	0850	.007
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	05-15-00	1225	<.005
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	07-24-00	0915	.005
01423900	W BR DELAWARE @ DIVERSION INTAKES NR CANNONSVILLE	09-11-00	1015	.010
01435800	DIVERSION FROM NEVERSINK RESERVOIR	01-10-00	1000	<.005
01435800	DIVERSION FROM NEVERSINK RESERVOIR	05-15-00	1045	<.005
01435800	DIVERSION FROM NEVERSINK RESERVOIR	07-24-00	1040	<.005
01435800	DIVERSION FROM NEVERSINK RESERVOIR	09-11-00	1200	<.005

Statewide Pesticide Monitoring Project-New York City reservoirs--Continued
(National water-quality assessment program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

STATION NUMBER	DATE	PRO-METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)
c01301900	01-11-00	<.018	E.003	.005	<.002	.005	<.20	<.20
d01301900	01-11-00	<.018	E.003	.005	<.002	.006	<.20	<.20
c01301900	05-16-00	<.018	<.002	<.002	<.002	<.005	.27	<.05
d01301900	05-16-00	<.018	<.002	<.002	<.002	<.005	.24	<.05
c01301900	07-25-00	<.018	<.002	.005	<.002	.005	<.05	<.05
d01301900	07-25-00	<.018	<.002	.005	<.002	E.004	<.05	<.05
c01301900	09-12-00	<.018	E.004	E.004	<.002	.006	<.05	<.05
d01301900	09-12-00	<.018	E.004	<.002	<.002	.005	<.05	<.05
01362230	01-10-00	<.018	E.004	<.002	<.002	<.001	<.20	<.20
01362230	05-15-00	<.018	E.004	<.002	<.002	.005	.27	<.05
01362230	07-24-00	<.018	E.003	.011	<.002	.012	<.05	<.05
01362230	09-11-00	<.018	E.005	.007	<.002	.010	<.05	<.05
01363400	01-10-00	<.018	<.002	<.002	<.002	<.001	<.20	<.20
01363400	05-15-00	<.018	<.002	<.002	<.002	<.001	.25	<.05
01363400	07-24-00	<.018	<.002	<.002	<.002	<.001	<.05	<.05
01363400	09-11-00	<.018	E.003	<.002	<.002	.005	<.05	<.05
01366400	01-10-00	<.018	E.006	.008	<.002	.007	<.20	<.20
01366400	05-15-00	<.018	E.004	<.002	<.002	.006	.27	<.05
01366400	07-24-00	<.018	E.004	.006	<.002	.007	<.05	<.05
01366400	09-11-00	<.018	E.004	.007	<.002	.008	.06	<.05
01374620	01-11-00	<.018	E.004	.007	<.002	.007	<.20	<.20
01374620	05-16-00	<.018	E.005	.006	<.002	<.005	<.05	<.05
01374620	07-25-00	<.018	E.003	.006	<.002	.006	<.05	<.05
01374620	09-12-00	<.018	<.002	.006	<.002	.006	.06	<.05
01374995	01-11-00	<.018	<.002	<.002	.005	.005	<.05	<.05
01374995	05-16-00	<.018	<.002	<.002	<.002	<.001	<.05	<.05
01374995	07-25-00	E.004	<.002	E.003	E.004	E.003	<.05	<.05
01374995	09-12-00	E.005	<.002	<.002	<.002	<.005	<.05	<.05
01415200	01-10-00	<.018	E.005	.007	<.002	.007	<.20	<.20
01415200	05-15-00	<.018	<.002	<.002	<.002	<.005	.24	<.05
01415200	07-24-00	<.018	<.002	E.003	<.002	E.004	<.05	<.05
01415200	09-11-00	<.018	E.004	.006	<.002	.007	<.05	<.05
01423900	01-10-00	<.018	E.012	.019	<.002	.012	.16	.05
01423900	05-15-00	<.018	E.007	.010	<.002	.007	.39	.21
01423900	07-24-00	<.018	E.005	.012	<.002	.007	.10	<.05
01423900	09-11-00	<.018	E.009	.031	<.002	.023	.21	.06
01435800	01-10-00	<.018	<.002	<.002	<.002	<.001	<.20	<.20
01435800	05-15-00	<.018	<.002	<.002	<.002	<.001	<.05	<.05
01435800	07-24-00	<.018	<.002	<.002	<.002	E.002	<.05	<.05
01435800	09-11-00	<.018	<.002	<.002	<.002	<.001	<.05	<.05

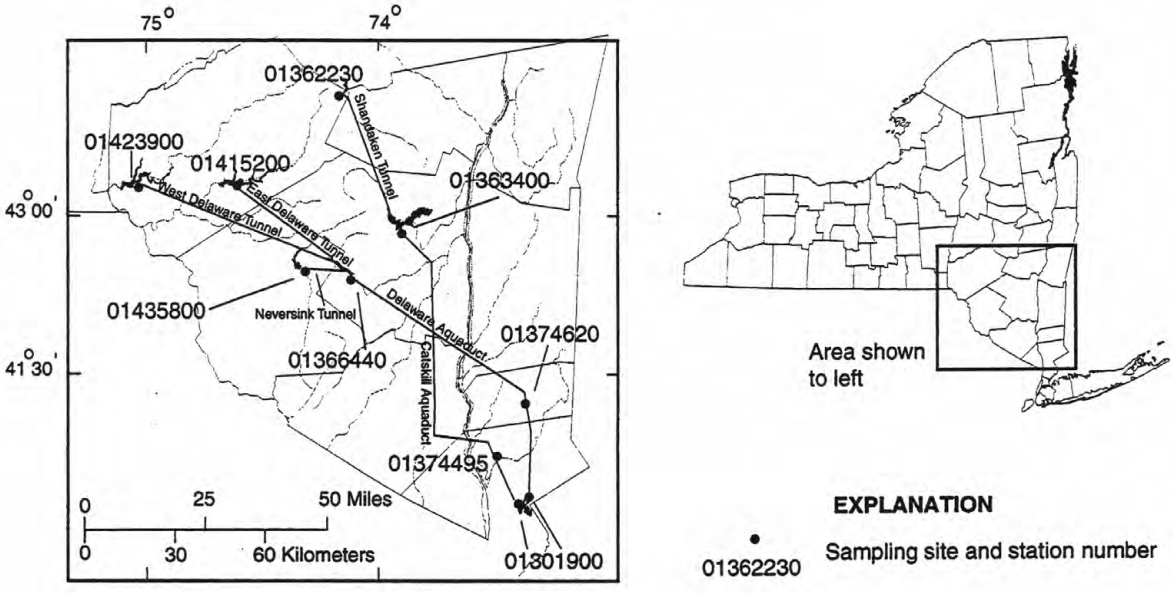


Figure 11.--Location of sites within the New York City reservoir system that were sampled for pesticide analysis.

Statewide Pesticide Monitoring Project-Public Water Supplies

In August 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 distribution of pesticide residues in 32 community water-supply wells in upstate New York (see map below). The wells were divided into categories determined by the amount of urban or agricultural land surrounding them and the type of infiltration (direct recharge of precipitation or induced infiltration from nearby surface-water bodies) into the well. Several herbicides were detected in the wells, though State and Federal drinking-water standards were not exceeded in any sample. The 32 wells were selected because they were deemed to be vulnerable to pesticide contamination due to hydrogeologic or land-use factors; accordingly, the sample results are not considered to be representative of aquifer conditions throughout New York State.

Estimated values are those preceded by an E.

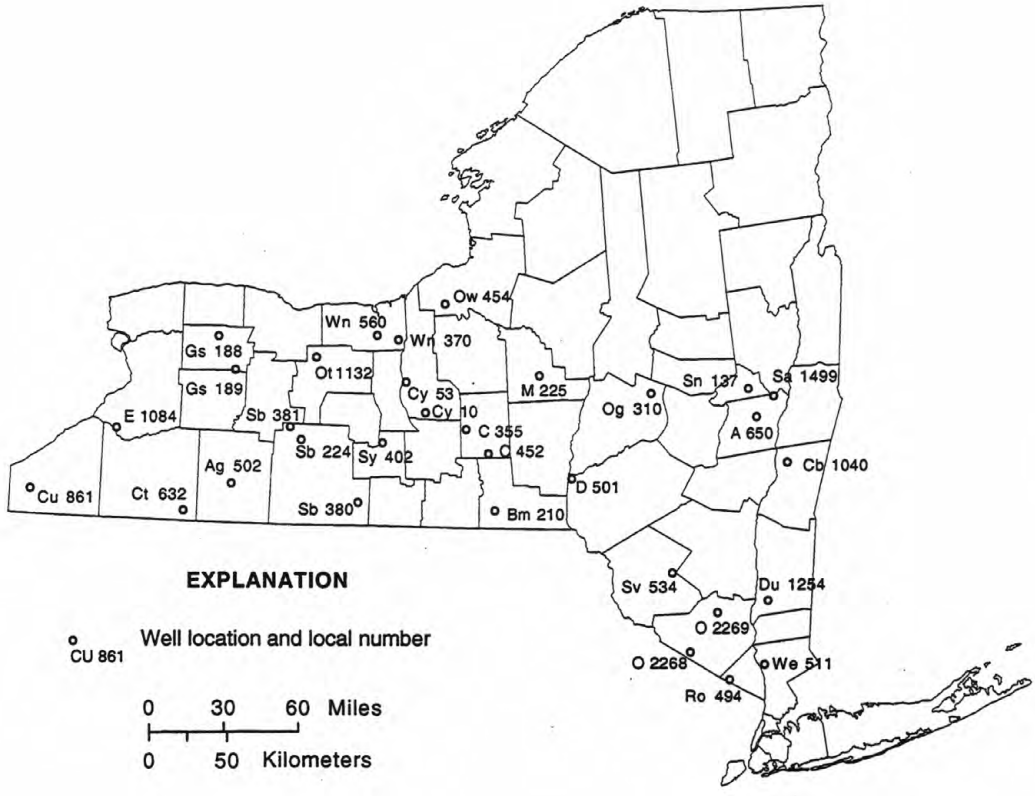


Figure 12.--Location of community water-supply wells in upstate New York that were sampled in water year 2000 for pesticide analysis. (Sn 135 is located next to Sn 137 and Sa 1498 is located next to Sa 1499.)

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	STATION NUMBER	DATE	TIME	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)
			ALBANY COUNTY					
A 650	423919073553801	06-28-00	0900	<.002	<.002	<.001	<.002	<.001
			ALLEGANY COUNTY					
AG 502	421404078023001	06-26-00	1100	<.002	<.002	.0086	E.0315	<.001
			BROOME COUNTY					
BM 210	420647075584201	06-26-00	1110	<.002	<.002	.0058	E.0057	<.001
			CORTLAND COUNTY					
C 355	423454076124001	06-26-00	1130	<.002	<.002	.0050	E.0134	<.001
C 452	422633076020801	06-26-00	1000	<.002	<.002	.0164	E.0122	<.001
			COLUMBIA COUNTY					
CB 1040	422328073413304	06-27-00	0720	<.002	<.002	<.001	<.002	<.001
		06-27-00	0730	--	--	--	--	--
			CATTARAUGUS COUNTY					
CT 632	420406078241701	06-26-00	1200	<.002	<.002	<.005	E.0033	<.001
			CHAUTAUQUA COUNTY					
CU 861	420926079360001	06-26-00	1400	<.002	<.002	.0072	E.0077	<.001
			CAYUGA COUNTY					
CY 10	424025076321001	01-11-00	1100	<.002	<.002	.0617	E.0732	<.001
		05-15-00	1100	<.002	<.002	.0263	E.0256	<.001
		06-26-00	0800	<.002	<.002	.0385	E.0389	<.001
		07-26-00	0800	<.002	<.002	.0564	E.0477	<.001
		08-31-00	1000	<.002	<.002	.138	E.154	<.001
		09-27-00	0830	<.002	<.002	.138	E.130	<.001
CY 53	425056076412201	06-26-00	1400	<.002	<.002	.0520	E.0249	<.001
			DELAWARE COUNTY					
D 501	421851075235901	06-26-00	1330	<.002	<.002	.0060	E.0061	<.001
			DUTCHESS COUNTY					
DU 1254	413520073511201	06-27-00	0915	<.002	<.002	E.0032	E.0053	<.001
			ERIE COUNTY					
E 1084	423001078565401	06-27-00	1030	<.002	<.002	<.001	<.002	<.001
			GENESEE COUNTY					
GS 188	430503078104201	06-27-00	1340	<.002	<.002	<.001	E.0051	<.001
GS 189	425142078020802	06-27-00	1510	<.002	<.002	<.001	<.002	<.001

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	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)	P,P' DDE DISSOLV (UG/L) (34653)
				ALBANY COUNTY					
A 650	06-28-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				ALLEGANY COUNTY					
AG 502	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				BROOME COUNTY					
BM 210	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				CORTLAND COUNTY					
C 355	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
C 452	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				COLUMBIA COUNTY					
CB 1040	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	06-27-00	--	--	--	--	--	--	--	--
				CATTARAUGUS COUNTY					
CT 632	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				CHAUTAUQUA COUNTY					
CU 861	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				CAYUGA COUNTY					
CY 10	01-11-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	05-15-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	07-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	08-31-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	09-27-00	<.002	<.002	<.010	<.003	<.004	<.004	<.002	<.006
CY 53	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				DELAWARE COUNTY					
D 501	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				DUTCHESS COUNTY					
DU 1254	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				ERIE COUNTY					
E 1084	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				GENESEE COUNTY					
GS 188	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
GS 189	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	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)
				ALBANY COUNTY					
A 650	06-28-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				ALLEGANY COUNTY					
AG 502	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				BROOME COUNTY					
BM 210	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				CORTLAND COUNTY					
C 355	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
C 452	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				COLUMBIA COUNTY					
CB 1040	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	06-27-00	--	--	--	--	--	--	--	--
				CATTARAUGUS COUNTY					
CT 632	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				CHAUTAUQUA COUNTY					
CU 861	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				CAYUGA COUNTY					
CY 10	01-11-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	05-15-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	07-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	08-31-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	09-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
CY 53	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				DELAWARE COUNTY					
D 501	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				DUTCHESS COUNTY					
DU 1254	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				ERIE COUNTY					
E 1084	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				GENESEE COUNTY					
GS 188	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
GS 189	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	ALPHA BHC DIS-SOLVED (UG/L) (34253)	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)	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)
				ALBANY COUNTY					
A 650	06-28-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				ALLEGANY COUNTY					
AG 502	06-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				BROOME COUNTY					
BM 210	06-26-00	<.002	<.004	<.002	<.005	E.0035	<.004	<.004	<.003
				CORTLAND COUNTY					
C 355	06-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
C 452	06-26-00	<.002	<.004	<.002	<.005	.0090	<.004	<.004	<.003
				COLUMBIA COUNTY					
CB 1040	06-27-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	06-27-00	--	--	--	--	--	--	--	--
				CATTARAUGUS COUNTY					
CT 632	06-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				CHAUTAUQUA COUNTY					
CU 861	06-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				CAYUGA COUNTY					
CY 10	01-11-00	<.002	<.004	<.002	<.005	.0112	<.004	<.004	<.003
	05-15-00	<.002	<.004	<.002	<.005	.0068	<.004	<.004	<.003
	06-26-00	<.002	<.004	<.002	<.005	.0060	<.004	<.004	<.003
	07-26-00	<.002	<.004	<.002	<.005	.0117	<.004	<.004	<.003
	08-31-00	<.002	<.004	<.002	<.005	.0375	<.004	<.004	<.003
	09-27-00	<.002	<.004	<.002	<.005	.0338	<.004	<.004	<.003
CY 53	06-26-00	<.002	<.004	<.002	<.005	.0783	<.004	<.004	<.003
				DELAWARE COUNTY					
D 501	06-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				DUTCHESS COUNTY					
DU 1254	06-27-00	<.002	<.004	<.002	<.005	E.0018	<.004	<.004	<.003
				ERIE COUNTY					
E 1084	06-27-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				GENESEE COUNTY					
GS 188	06-27-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
GS 189	06-27-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	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)
				ALBANY COUNTY					
A 650	06-28-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				ALLEGANY COUNTY					
AG 502	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				BROOME COUNTY					
BM 210	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	E.0037	<.003
				CORTLAND COUNTY					
C 355	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
C 452	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	E.0078	<.003
				COLUMBIA COUNTY					
CB 1040	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	06-27-00	--	--	--	--	--	--	--	--
				CATTARAUGUS COUNTY					
CT 632	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				CHAUTAUQUA COUNTY					
CU 861	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				CAYUGA COUNTY					
CY 10	01-11-00	<.004	<.006	<.004	<.004	<.005	<.002	.0316	<.003
	05-15-00	<.004	<.006	<.004	<.004	<.005	<.002	.0506	<.003
	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	.0758	<.003
	07-26-00	<.004	<.006	<.004	<.004	<.005	<.002	.0469	<.003
	08-31-00	<.004	<.006	<.004	<.004	<.005	<.002	.0237	<.003
	09-27-00	<.004	<.006	<.004	<.004	<.005	<.002	.0234	<.003
CY 53	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				DELAWARE COUNTY					
D 501	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				DUTCHESS COUNTY					
DU 1254	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	E.0071	<.003
				ERIE COUNTY					
E 1084	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				GENESEE COUNTY					
GS 188	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
GS 189	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
				ALBANY COUNTY					
A 650	06-28-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				ALLEGANY COUNTY					
AG 502	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				BROOME COUNTY					
BM 210	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				CORTLAND COUNTY					
C 355	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
C 452	06-26-00	<.007	<.004	<.013	<.010	<.010	<.007	<.013	<.005
				COLUMBIA COUNTY					
CB 1040	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	06-27-00	--	--	--	--	--	--	--	--
				CATTARAUGUS COUNTY					
CT 632	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				CHAUTAUQUA COUNTY					
CU 861	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				CAYUGA COUNTY					
CY 10	01-11-00	<.007	<.004	<.013	.0056	<.010	<.007	<.013	<.002
	05-15-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	06-26-00	<.007	<.004	<.013	.0056	<.010	<.007	<.013	<.002
	07-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	08-31-00	<.007	<.004	<.013	.0068	<.010	<.007	<.013	<.002
	09-27-00	<.007	<.004	<.013	.0063	<.010	<.007	<.013	<.002
CY 53	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				DELAWARE COUNTY					
D 501	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				DUTCHESS COUNTY					
DU 1254	06-27-00	<.007	<.004	<.013	.0063	<.010	<.007	<.013	<.002
				ERIE COUNTY					
E 1084	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				GENESEE COUNTY					
GS 188	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
GS 189	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	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)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	PROP-AZINE WATER DISS REC (UG/L) (38535)	TER-BUTRYN WATER, DISS, REC (UG/L) (38688)	ALA-CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)
				ALBANY COUNTY					
A 650	06-28-00	<.001	<.002	--	--	--	--	--	<.05
				ALLEGANY COUNTY					
AG 502	06-26-00	<.001	<.002	--	--	--	--	--	.29
				BROOME COUNTY					
BM 210	06-26-00	<.001	<.002	--	--	--	--	--	.22
				CORTLAND COUNTY					
C 355	06-26-00	<.001	<.002	--	--	--	--	--	<.05
C 452	06-26-00	<.001	<.002	--	--	--	--	--	.22
				COLUMBIA COUNTY					
CB 1040	06-27-00	<.001	<.002	--	--	--	--	--	1.5
	06-27-00	--	--	<.005	--	--	--	--	--
				CATTARAUGUS COUNTY					
CT 632	06-26-00	<.001	<.002	--	--	--	--	--	.23
				CHAUTAUQUA COUNTY					
CU 861	06-26-00	<.001	<.002	--	--	--	--	--	<.05
				CAYUGA COUNTY					
CY 10	01-11-00	<.001	<.002	<.05	<.05	<.05	<.05	<.05	<.20
	05-15-00	<.001	<.002	--	--	--	--	--	<.05
	06-26-00	<.001	<.002	--	--	--	--	--	<.05
	07-26-00	<.001	<.002	--	--	--	--	--	<.05
	08-31-00	<.001	<.002	--	--	--	--	--	<.05
	09-27-00	<.001	<.002	--	--	--	--	--	.05
CY 53	06-26-00	<.001	<.002	--	--	--	--	--	<.05
				DELAWARE COUNTY					
D 501	06-26-00	<.001	<.002	--	--	--	--	--	<.05
				DUTCHESS COUNTY					
DU 1254	06-27-00	<.001	<.002	--	--	--	--	--	<.05
				ERIE COUNTY					
E 1084	06-27-00	<.001	<.002	--	--	--	--	--	<.05
				GENESEE COUNTY					
GS 188	06-27-00	<.001	<.002	--	--	--	--	--	.61
GS 189	06-27-00	<.001	<.002	--	--	--	--	--	<.05

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	CYANA-ZINE-AMIDE WATER FLTRD REC (UG/L) (61709)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	FLUFEN-ACET, ESA, WAT FLT (UG/L) (61952)
				ALBANY COUNTY					
A 650	06-28-00	<.05	<.05	<.05	<.05	<.05	--	<.05	<.05
				ALLEGANY COUNTY					
AG 502	06-26-00	<.05	<.05	<.05	2.86	.17	--	<.05	<.05
				BROOME COUNTY					
BM 210	06-26-00	<.05	<.05	<.05	.33	<.05	--	<.05	<.05
				CORTLAND COUNTY					
C 355	06-26-00	<.05	<.05	<.05	.34	<.05	--	<.05	<.05
C 452	06-26-00	<.05	<.05	<.05	.37	.06	--	<.05	<.05
				COLUMBIA COUNTY					
CB 1040	06-27-00	<.05	<.05	<.05	2.38	.82	--	<.05	<.05
	06-27-00	--	--	--	--	--	--	--	--
				CATTARAUGUS COUNTY					
CT 632	06-26-00	<.05	<.05	<.05	.42	<.05	--	<.05	<.05
				CHAUTAUQUA COUNTY					
CU 861	06-26-00	<.05	<.05	<.05	.27	<.05	--	<.05	<.05
				CAYUGA COUNTY					
CY 10	01-11-00	.28	<.20	<.20	1.58	<.20	<.05	--	--
	05-15-00	<.05	<.05	<.05	.72	.22	--	--	--
	06-26-00	<.05	<.05	<.05	.40	<.05	--	<.05	<.05
	07-26-00	<.05	<.05	<.05	.89	.25	--	<.05	<.05
	08-31-00	<.05	<.05	<.05	2.19	.52	--	<.05	<.05
	09-27-00	<.05	<.05	<.05	2.47	.53	--	<.05	<.05
CY 53	06-26-00	<.05	<.05	<.05	.71	.06	--	<.05	<.05
				DELAWARE COUNTY					
D 501	06-26-00	<.05	<.05	<.05	.26	<.05	--	<.05	<.05
				DUTCHESS COUNTY					
DU 1254	06-27-00	.31	<.05	<.05	.30	<.05	--	<.05	<.05
				ERIE COUNTY					
E 1084	06-27-00	<.05	<.05	<.05	<.05	<.05	--	<.05	<.05
				GENESEE COUNTY					
GS 188	06-27-00	<.05	<.05	<.05	1.31	.56	--	<.05	<.05
GS 189	06-27-00	<.05	<.05	<.05	.88	.10	--	<.05	<.05

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

	LOCAL IDENT-I-FIER	STATION NUMBER	DATE	TIME	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)
			MADISON COUNTY						
M 225		425342075382601	06-27-00	1000	<.002	<.002	<.001	<.002	<.001
			ORANGE COUNTY						
O 2268		411736074275101	06-27-00	1015	<.002	<.002	<.001	<.002	<.001
O 2269		413119074150801	06-27-00	1300	<.002	<.002	<.001	<.002	<.001
			OTSEGO COUNTY						
OG 310		424742074453201	06-26-00	1305	<.002	<.002	<.001	<.002	<.001
			ONTARIO COUNTY						
OT 1132		425853077240801	06-26-00	1040	<.002	<.002	<.001	E.0143	<.001
			OSWEGO COUNTY						
OW 454		431815076234001	10-18-99	1010	<.002	<.002	.0177	E.0085	<.001
			01-11-00	0820	<.002	<.002	.0185	E.0134	<.001
			06-27-00	0830	<.002	<.002	.0168	E.0156	<.001
			ROCKLAND COUNTY						
RO 494		410659074093701	06-27-00	1300	<.002	<.002	<.001	E.0024	<.001
			SARATOGA COUNTY						
SA 1498		424724073472301	10-21-99	1110	<.002	<.002	<.001	<.002	<.001
			06-26-00	1050	<.002	<.002	<.001	<.002	<.001
			07-25-00	1010	<.002	<.002	<.001	<.002	<.001
			08-29-00	0940	<.002	<.002	<.001	<.002	<.001
			09-26-00	0930	<.002	<.002	<.001	<.002	<.001
SA 1499		424710073473801	10-21-99	1100	<.002	<.002	<.001	<.002	<.001
			06-26-00	1040	<.002	<.002	<.001	<.002	<.001
			07-25-00	1000	<.002	<.002	<.001	<.002	<.001
			08-29-00	0930	<.002	<.002	<.001	<.002	<.001
			09-26-00	0915	<.002	<.002	<.001	<.002	<.001
			STEUBEN COUNTY						
SB 224		423001077300801	06-27-00	0940	<.002	<.002	.0328	E.0195	<.001
SB 380		420850077030701	06-27-00	1320	<.002	<.002	.0130	E.0086	<.001
SB 381		423418077353401	06-27-00	0830	<.002	<.002	<.001	<.002	<.001
			SCHENECTADY COUNTY						
SN 135		424909073591601	05-17-00	0710	<.002	<.002	.0076	E.0062	<.001
			07-25-00	0700	<.002	<.002	.0139	E.0054	<.001
			08-29-00	0800	<.002	<.002	.0198	E.0119	<.001
			09-26-00	0800	<.002	<.002	.0188	E.0108	<.001
SN 137		424909073591603	05-17-00	0730	<.002	<.002	.0098	E.0070	<.001
			06-26-00	0930	<.002	<.002	.0056	E.0056	<.001
			SULLIVAN COUNTY						
SV 534		414504074355301	07-26-00	1010	<.002	<.002	.0564	E.0465	<.001

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	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)	P,P' DDE DISSOLV (UG/L) (34653)
				MADISON COUNTY					
M 225	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				ORANGE COUNTY					
O 2268	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
O 2269	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				OTSEGO COUNTY					
OG 310	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				ONTARIO COUNTY					
OT 1132	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				OSWEGO COUNTY					
OW 454	10-18-99	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	01-11-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				ROCKLAND COUNTY					
RO 494	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				SARATOGA COUNTY					
SA 1498	10-21-99	<.002	<.002	<.003	<.030	<.004	<.004	<.002	<.006
	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	07-25-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	08-29-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	09-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
SA 1499	10-21-99	<.002	<.002	<.003	<.010	<.004	<.004	<.002	<.006
	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	07-25-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	08-29-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	09-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				STEUBEN COUNTY					
SB 224	06-27-00	<.002	<.002	E.0048	<.003	<.004	.0041	<.002	<.006
SB 380	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
SB 381	06-27-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				SCHENECTADY COUNTY					
SN 135	05-17-00	<.002	<.002	<.030	<.003	<.004	<.004	<.002	<.006
	07-25-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	08-29-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	09-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
SN 137	05-17-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
	06-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006
				SULLIVAN COUNTY					
SV 534	07-26-00	<.002	<.002	<.003	<.003	<.004	<.004	<.002	<.006

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	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)
				MADISON COUNTY					
M 225	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				ORANGE COUNTY					
O 2268	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
O 2269	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				OTSEGO COUNTY					
OG 310	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				ONTARIO COUNTY					
OT 1132	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				OSWEGO COUNTY					
OW 454	10-18-99	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	01-11-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				ROCKLAND COUNTY					
RO 494	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				SARATOGA COUNTY					
SA 1498	10-21-99	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	07-25-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	08-29-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	09-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
SA 1499	10-21-99	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	07-25-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	08-29-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	09-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				STEUBEN COUNTY					
SB 224	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
SB 380	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
SB 381	06-27-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				SCHENECTADY COUNTY					
SN 135	05-17-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	07-25-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	08-29-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	09-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
SN 137	05-17-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
	06-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
				SULLIVAN COUNTY					
SV 534	07-26-00	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	ALPHA BHC DIS-SOLVED (UG/L) (34253)	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)	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)
				MADISON COUNTY					
M 225	06-27-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				ORANGE COUNTY					
O 2268	06-27-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
O 2269	06-27-00	<.002	<.004	<.002	<.005	.0082	<.004	<.004	<.003
				OTSEGO COUNTY					
OG 310	06-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				ONTARIO COUNTY					
OT 1132	06-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				OSWEGO COUNTY					
OW 454	10-18-99	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	01-11-00	<.002	<.004	<.002	<.005	.0041	<.004	<.004	<.003
	06-27-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				ROCKLAND COUNTY					
RO 494	06-27-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				SARATOGA COUNTY					
SA 1498	10-21-99	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	06-26-00	<.002	<.004	<.002	<.005	E.0021	<.004	<.004	<.003
	07-25-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	08-29-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	09-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
SA 1499	10-21-99	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	06-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	07-25-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	08-29-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	09-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				STEUBEN COUNTY					
SB 224	06-27-00	<.002	<.004	<.002	<.005	.0064	.0894	<.004	<.003
SB 380	06-27-00	<.002	<.004	<.002	<.005	E.0033	<.004	<.004	<.003
SB 381	06-27-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
				SCHENECTADY COUNTY					
SN 135	05-17-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	07-25-00	<.002	<.004	<.002	<.005	E.0027	<.004	<.004	<.003
	08-29-00	<.002	<.004	<.002	<.005	<.005	<.004	<.004	<.003
	09-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
SN 137	05-17-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003
	06-26-00	<.002	<.004	<.002	<.005	E.0026	<.004	<.004	<.003
				SULLIVAN COUNTY					
SV 534	07-26-00	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	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)
				MADISON COUNTY					
M 225	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				ORANGE COUNTY					
O 2268	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
O 2269	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				OTSEGO COUNTY					
OG 310	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				ONTARIO COUNTY					
OT 1132	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				OSWEGO COUNTY					
OW 454	10-18-99	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	01-11-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				ROCKLAND COUNTY					
RO 494	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				SARATOGA COUNTY					
SA 1498	10-21-99	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	07-25-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	08-29-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	09-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
SA 1499	10-21-99	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	07-25-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	08-29-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	09-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				STEUBEN COUNTY					
SB 224	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	.0579	<.003
SB 380	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	E.0028	<.003
SB 381	06-27-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
				SCHENECTADY COUNTY					
SN 135	05-17-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	07-25-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	08-29-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	09-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
SN 137	05-17-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003
	06-26-00	<.004	<.006	<.004	<.004	<.005	<.002	E.0023	<.003
				SULLIVAN COUNTY					
SV 534	07-26-00	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-IFIER	DATE	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
				MADISON COUNTY					
M 225	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				ORANGE COUNTY					
O 2268	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
O 2269	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				OTSEGO COUNTY					
OG 310	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				ONTARIO COUNTY					
OT 1132	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				OSWEGO COUNTY					
OW 454	10-18-99	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	01-11-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				ROCKLAND COUNTY					
RO 494	06-27-00	<.007	<.004	<.013	.0056	<.010	<.007	<.013	<.002
				SARATOGA COUNTY					
SA 1498	10-21-99	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	07-25-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	08-29-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	09-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
SA 1499	10-21-99	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	07-25-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	08-29-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	09-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				STEUBEN COUNTY					
SB 224	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
SB 380	06-27-00	<.007	<.004	<.013	E.0048	<.010	<.007	<.013	<.002
SB 381	06-27-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				SCHENECTADY COUNTY					
SN 135	05-17-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	07-25-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	08-29-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	09-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
SN 137	05-17-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
	06-26-00	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002
				SULLIVAN COUNTY					
SV 534	07-26-00	<.007	<.004	<.013	E.0045	<.010	<.007	<.013	<.002

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	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)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	PROP-AZINE WATER DISS REC (UG/L) (38535)	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	ALA-CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)
				MADISON COUNTY					
M 225	06-27-00	<.001	<.002	--	--	--	--	--	<.05
				ORANGE COUNTY					
O 2268	06-27-00	<.001	<.002	--	--	--	--	--	<.05
O 2269	06-27-00	<.001	<.002	--	--	--	--	--	.35
				OTSEGO COUNTY					
OG 310	06-26-00	<.001	<.002	--	--	--	--	--	<.05
				ONTARIO COUNTY					
OT 1132	06-26-00	<.001	<.002	--	--	--	--	--	.22
				OSWEGO COUNTY					
OW 454	10-18-99	<.001	<.002	<.05	<.05	<.05	<.05	<.05	<.20
	01-11-00	<.001	<.002	<.05	<.05	<.05	<.05	<.05	<.20
	06-27-00	<.001	<.002	--	--	--	--	--	<.05
				ROCKLAND COUNTY					
RO 494	06-27-00	<.001	<.002	--	--	--	--	--	<.05
				SARATOGA COUNTY					
SA 1498	10-21-99	<.001	<.002	<.05	<.05	<.05	<.05	<.05	.09
	06-26-00	<.001	<.002	<.05	<.05	<.05	<.05	<.05	<.20
	07-25-00	<.001	<.002	--	--	--	--	--	<.05
	08-29-00	<.001	<.002	--	--	--	--	--	.05
	09-26-00	<.001	<.002	--	--	--	--	--	.09
SA 1499	10-21-99	<.001	<.002	<.05	<.05	<.05	<.05	<.05	<.20
	06-26-00	<.001	<.002	<.05	<.05	<.05	<.05	<.05	<.20
	07-25-00	<.001	<.002	--	--	--	--	--	<.05
	08-29-00	<.001	<.002	--	--	--	--	--	<.05
	09-26-00	<.001	<.002	--	--	--	--	--	<.05
				STEUBEN COUNTY					
SB 224	06-27-00	<.001	<.002	--	--	--	--	--	.22
SB 380	06-27-00	<.001	<.002	--	--	--	--	--	<.05
SB 381	06-27-00	<.001	<.002	--	--	--	--	--	<.05
				SCHENECTADY COUNTY					
SN 135	05-17-00	<.001	<.002	--	--	--	--	--	--
	07-25-00	<.001	<.002	--	--	--	--	--	--
	08-29-00	<.001	<.002	--	--	--	--	--	--
	09-26-00	<.001	<.002	--	--	--	--	--	--
SN 137	05-17-00	<.001	<.002	--	--	--	--	--	--
	06-26-00	<.001	<.002	--	--	--	--	--	--
				SULLIVAN COUNTY					
SV 534	07-26-00	<.001	<.002	--	--	--	--	--	<.05

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	CYANA-ZINE-AMIDE WATER FLTRD REC (UG/L) (61709)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	FLUFEN-ACET, ESA, WAT FLT (UG/L) (61952)
				MADISON COUNTY					
M 225	06-27-00	<.05	<.05	<.05	.21	<.05	--	<.05	<.05
				ORANGE COUNTY					
O 2268	06-27-00	<.05	<.05	<.05	.30	<.05	--	<.05	<.05
O 2269	06-27-00	<.05	<.05	<.05	1.13	.48	--	<.05	<.05
				OTSEGO COUNTY					
OG 310	06-26-00	<.05	<.05	<.05	.36	<.05	--	<.05	<.05
				ONTARIO COUNTY					
OT 1132	06-26-00	<.05	<.05	<.05	.27	<.05	--	<.05	<.05
				OSWEGO COUNTY					
OW 454	10-18-99	<.20	<.20	<.20	<.20	<.20	<.05	--	--
	01-11-00	<.20	<.20	<.20	<.20	<.20	<.05	--	--
	06-27-00	<.05	<.05	<.05	.23	<.05	--	<.05	<.05
				ROCKLAND COUNTY					
RO 494	06-27-00	<.05	<.05	<.05	<.05	<.05	--	<.05	<.05
				SARATOGA COUNTY					
SA 1498	10-21-99	--	--	<.05	<.05	<.05	<.05	--	--
	06-26-00	<.20	<.20	<.20	<.20	<.20	<.05	--	--
	07-25-00	<.05	<.05	<.05	<.05	<.05	--	--	--
	08-29-00	<.05	<.05	<.05	<.05	<.05	--	<.05	<.05
	09-26-00	<.05	<.05	<.05	<.05	<.05	--	<.05	<.05
SA 1499	10-21-99	--	--	<.20	<.20	<.20	<.05	--	--
	06-26-00	<.20	<.20	<.20	<.20	<.20	<.05	--	--
	07-25-00	<.05	<.05	<.05	.56	<.05	--	--	--
	08-29-00	<.05	<.05	<.05	.07	<.05	--	<.05	<.05
	09-26-00	<.05	<.05	<.05	.08	<.05	--	<.05	<.05
				STEUBEN COUNTY					
SB 224	06-27-00	<.05	<.05	.26	.62	1.69	--	<.05	<.05
SB 380	06-27-00	<.05	<.05	<.05	.26	.06	--	<.05	<.05
SB 381	06-27-00	<.05	<.05	<.05	.31	<.05	--	<.05	<.05
				SCHENECTADY COUNTY					
SN 135	05-17-00	--	--	--	--	--	--	--	--
	07-25-00	--	--	--	--	--	--	--	--
	08-29-00	--	--	--	--	--	--	--	--
	09-26-00	--	--	--	--	--	--	--	--
SN 137	05-17-00	--	--	--	--	--	--	--	--
	06-26-00	--	--	--	--	--	--	--	--
				SULLIVAN COUNTY					
SV 534	07-26-00	<.05	<.05	<.05	.62	.06	--	<.05	<.05

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	STATION NUMBER	DATE	TIME	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)
			SCHUYLER COUNTY						
SY 402	422937076531401	06-28-00	0830	<.002	<.002	.0086	E.0109	<.001	<.002
			WESTCHESTER COUNTY						
WE 511	411301073515401	06-27-00	1110	<.002	<.002	E.0016	E.0037	<.001	<.002
			WAYNE COUNTY						
WN 370	430527076453401	06-27-00	1350	<.002	<.002	E.0026	E.0217	<.001	<.002
WN 560	430647076552901	02-09-00	0830	<.002	<.002	.0072	E.0080	<.001	<.002
		05-15-00	0820	<.002	<.002	.0068	E.0110	<.001	<.002
		06-30-00	0930	<.002	<.002	.0059	E.0100	<.001	<.002
		07-25-00	1040	<.002	<.002	.0055	E.0100	<.001	<.002
		08-31-00	0730	<.002	<.002	.0068	E.0106	<.001	<.002
		09-28-00	0730	<.002	<.002	<.010	E.0111	<.001	<.002

LOCAL IDENT-I-FIER	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)	P,P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)
					SCHUYLER COUNTY					
SY 402	06-28-00	<.002	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001
					WESTCHESTER COUNTY					
WE 511	06-27-00	<.002	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001
					WAYNE COUNTY					
WN 370	06-27-00	<.002	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001
WN 560	02-09-00	<.002	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001
	05-15-00	<.002	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001
	06-30-00	<.002	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001
	07-25-00	<.002	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001
	08-31-00	<.002	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001
	09-28-00	<.002	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001

LOCAL IDENT-I-FIER	DATE	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	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)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	LINDANE DIS-SOLVED (UG/L) (39341)
					SCHUYLER COUNTY				
SY 402	06-28-00	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004
					WESTCHESTER COUNTY				
WE 511	06-27-00	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004
					WAYNE COUNTY				
WN 370	06-27-00	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004
WN 560	02-09-00	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004
	05-15-00	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004
	06-30-00	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004
	07-25-00	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004
	08-31-00	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004
	09-28-00	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	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)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
				SCHUYLER COUNTY					
SY 402	06-28-00	<.002	<.005	<.002	<.004	<.004	<.003	<.004	<.006
				WESTCHESTER COUNTY					
WE 511	06-27-00	<.002	<.005	<.002	<.004	<.004	<.003	<.004	<.006
				WAYNE COUNTY					
WN 370	06-27-00	<.002	<.005	<.002	<.004	<.004	<.003	<.004	<.006
WN 560	02-09-00	<.002	<.005	.570	<.004	<.004	<.003	<.004	<.006
	05-15-00	<.002	<.005	.411	<.004	<.004	<.003	<.004	<.006
	06-30-00	<.002	<.005	.423	<.004	<.004	<.003	<.004	<.006
	07-25-00	<.002	<.005	.529	<.004	<.004	<.003	<.004	<.006
	08-31-00	<.002	<.005	.528	<.004	<.004	<.003	<.004	<.006
	09-28-00	<.002	<.005	.620	<.004	<.004	<.003	<.004	<.006

LOCAL IDENT-I-FIER	DATE	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)
				SCHUYLER COUNTY					
SY 402	06-28-00	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
				WESTCHESTER COUNTY					
WE 511	06-27-00	<.004	<.004	<.005	<.002	E.0043	<.003	<.007	<.004
				WAYNE COUNTY					
WN 370	06-27-00	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
WN 560	02-09-00	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
	05-15-00	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
	06-30-00	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
	07-25-00	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
	08-31-00	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
	09-28-00	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004

LOCAL IDENT-I-FIER	DATE	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)
				SCHUYLER COUNTY					
SY 402	06-28-00	<.013	.0155	<.010	<.007	<.013	<.002	<.001	<.002
				WESTCHESTER COUNTY					
WE 511	06-27-00	<.013	.0085	<.010	<.007	<.013	<.002	<.001	<.002
				WAYNE COUNTY					
WN 370	06-27-00	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
WN 560	02-09-00	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
	05-15-00	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
	06-30-00	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
	07-25-00	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
	08-31-00	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
	09-28-00	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002

Statewide Pesticide Monitoring Project-Public Water Supplies--Continued

LOCAL IDENT-I-FIER	DATE	ALA-CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	FLUFEN-ACET, ESA, WAT FLT (UG/L) (61952)
				SCHUYLER COUNTY					
SY 402	06-28-00	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
				WESTCHESTER COUNTY					
WE 511	06-27-00	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
				WAYNE COUNTY					
WN 370	06-27-00	.72	<.05	<.05	<.05	.46	.05	<.05	<.05
WN 560	02-09-00	<.20	<.20	<.20	<.20	3.0	.97	--	--
	05-15-00	.24	<.05	<.05	<.05	2.6	1.0	<.05	<.05
	06-30-00	<.05	<.05	<.05	<.05	2.5	.89	<.05	<.05
	07-25-00	.07	<.05	<.05	<.05	2.6	1.0	<.05	<.05
	08-31-00	<.05	<.05	<.05	<.05	3.1	1.0	<.05	<.05
	09-28-00	<.05	<.05	<.05	<.05	3.0	1.1	<.05	<.05

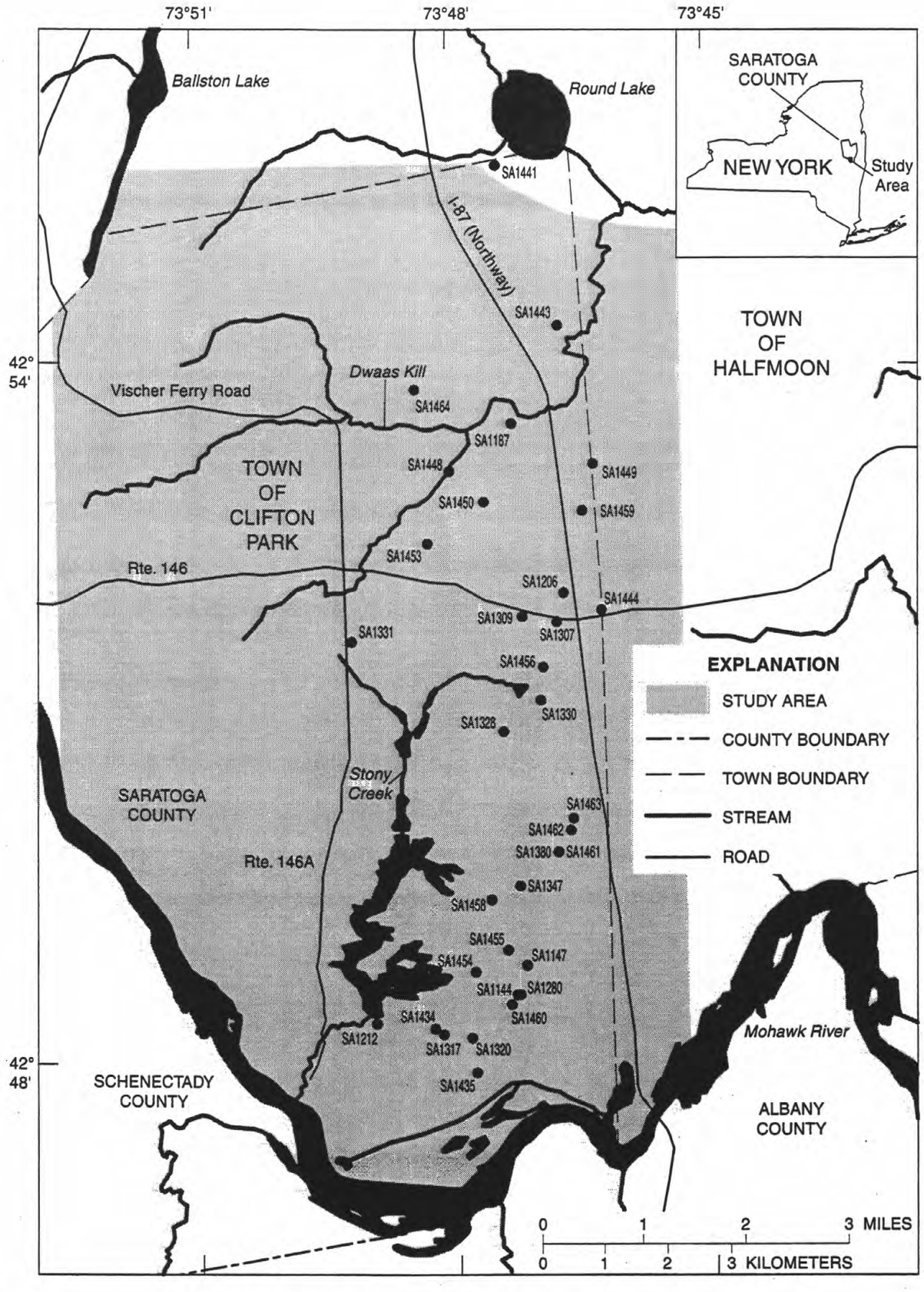


Figure 13.--Location of wells that tap the Colonie Channel aquifer in the Clifton Park area of Saratoga County.

SARATOGA COUNTY

In 1995, the U.S. Geological Survey, in cooperation with the Clifton Park Water Authority, began a study to update and refine the understanding of ground-water resource availability and water quality within the Clifton Park area in Saratoga County. As part of this multi-year effort, ground-water samples were collected from wells that tap the Colonie Channel aquifer (see fig. 13 on previous page). Ten samples, collected May to July 1997, were analyzed for tritium. An additional 24 samples were collected August to October 1998 and analyzed for major ions, with three samples also analyzed for tritium.

LOCAL IDENTIFIER	STATION NUMBER	DATE	TIME	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
SA1380	424945073464801	07-07-97	0920	10.1	1110	3.4	7.1
SA1347	424928073471501	07-07-97	0945	10.7	589	2.4	7.9
SA1147	424847073471101	07-07-97	1015	10.5	605	3.3	7.7
SA1144	424832073471201	07-07-97	1030	10.3	881	2.7	7.1
SA1280	424834073471302	07-07-97	1045	10.3	883	1.1	7.1
SA1187	425325073471701	05-13-97	1000	10.4	255	.3	7.8
SA1328	425047073472502	05-13-97	1200	10.7	443	.3	8.5
SA1449	425304073462001	05-13-97	1045	9.9	842	.3	6.9
SA1448	425301073480101	06-12-97	1000	10.0	344	.2	8.6
SA1450	425245073473701	05-13-97	0935	10.6	294	.3	8.0
SA1309	425146073471101	09-01-98	1407	12.8	296	.1	8.3
SA1206	425158073464201	09-01-98	1528	11.4	371	.1	7.8
SA1443	425415073464401	09-01-98	1711	12.0	267	.1	8.2
SA1441	425537073472601	09-01-98	1745	12.1	553	3.0	7.8
SA1434	424815073481601	09-02-98	1251	13.5	343	.1	9.1
SA1320	424810073475001	09-02-98	1348	11.2	511	.1	9.3
SA1435	424752073474701	09-02-98	1615	13.1	551	.1	9.2
SA1212	424818073485701	09-02-98	1740	10.4	414	.1	9.1
SA1444	425149073461501	09-03-98	1310	13.8	1250	.1	7.6
SA1317	424812073481001	09-03-98	1503	11.0	443	.1	9.1
SA1461	424945073464802	08-12-98	1125	10.4	910	.1	7.4
SA1459	425240073462801	09-01-98	1625	22.0	828	.7	7.3
SA1330	425103073465901	08-12-98	1332	11.2	539	.1	8.4
SA1453	425224073481701	09-09-98	1250	9.5	462	.1	9.1
SA1458	424921073473501	09-09-98	1700	11.0	300	.1	8.9
SA1460	424821073472202	09-09-98	1452	9.8	1130	.1	7.2
SA1307	425143073464701	09-08-98	1619	13.2	481	.1	8.0
SA1454	424844073474701	09-04-98	1021	11.9	582	.1	9.4
SA1456	425120073465701	09-08-98	1510	17.5	598	1.7	7.5
SA1455	424855073472401	09-08-98	1656	12.3	285	.1	8.6
SA1331	425134073491101	09-24-98	1552	10.9	1440	.1	7.8
SA1463	425002073463701	09-25-98	1210	11.6	2750	.1	8.0
SA1462	424956073463901	10-01-98	1140	10.5	945	.1	8.6
SA1464	425343073482501	10-01-98	1247	10.7	465	.1	7.7

SARATOGA COUNTY--Continued

LOCAL IDENT-I-FIER	DATE	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	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)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
SA1380	07-07-97	--	--	--	--	--	--	--
SA1347	07-07-97	--	--	--	--	--	--	--
SA1147	07-07-97	--	--	--	--	--	--	--
SA1144	07-07-97	--	--	--	--	--	--	--
SA1280	07-07-97	--	--	--	--	--	--	--
SA1187	05-13-97	--	--	--	--	--	--	--
SA1328	05-13-97	--	--	--	--	--	--	--
SA1449	05-13-97	--	--	--	--	--	--	--
SA1448	06-12-97	--	--	--	--	--	--	--
SA1450	05-13-97	--	--	--	--	--	--	--
SA1309	09-01-98	8.1	52	13.4	4.55	37.8	1.4	22.3
SA1206	09-01-98	8.0	170	49.8	12.2	6.9	.8	18.3
SA1443	09-01-98	8.3	58	14.3	5.37	36.0	1.4	6.2
SA1441	09-01-98	7.6	170	40.6	17.7	42.1	1.9	60.3
SA1434	09-02-98	8.7	8	2.56	.41	78.3	.7	14.8
SA1320	09-02-98	9.3	3	.99	.24	120	.8	22.7
SA1435	09-02-98	9.2	4	1.27	.31	125	.8	21.0
SA1212	09-02-98	9.0	8	2.55	.48	86.1	.9	38.7
SA1444	09-03-98	7.9	420	115	31.7	65.2	3.2	259
SA1317	09-03-98	9.0	4	1.35	.26	98.1	1.1	20.9
SA1461	08-12-98	7.8	470	150	24.4	13.1	.9	--
SA1459	09-01-98	7.7	360	99.2	26.8	34.6	1.2	57.1
SA1330	08-12-98	7.9	84	21.3	7.44	70.7	2.7	93.5
SA1453	09-09-98	8.8	4	1.14	.21	106	.9	10.9
SA1458	09-09-98	8.7	11	3.30	.78	68.3	.6	7.9
SA1460	09-09-98	7.5	630	172	47.8	17.7	1.3	24.0
SA1307	09-08-98	8.1	150	39.9	12.2	28.6	1.6	88.2
SA1454	09-04-98	9.2	3	1.05	.17	129	1.0	56.6
SA1456	09-08-98	7.9	170	49.8	10.9	62.1	2.1	48.5
SA1455	09-08-98	8.6	24	6.80	1.78	57.9	1.9	3.4
SA1331	09-24-98	7.9	330	99.7	20.2	137	1.6	371
SA1463	09-25-98	7.3	1200	359	78.9	281	2.7	1340
SA1462	10-01-98	8.6	8	2.07	.77	201	1.8	92.2
SA1464	10-01-98	7.9	140	40.7	10.5	32.8	1.1	58.1

LOCAL IDENT-I-FIER	DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	TRITIUM TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
SA1380	07-07-97	--	--	--	45.4	3.2	--	--
SA1347	07-07-97	--	--	--	49.6	3.8	--	--
SA1147	07-07-97	--	--	--	57.0	3.8	--	--
SA1144	07-07-97	--	--	--	41.3	3.2	--	--
SA1280	07-07-97	--	--	--	39.7	3.2	--	--
SA1187	05-13-97	--	--	--	4.2	1.6	--	--
SA1328	05-13-97	--	--	--	49.3	3.2	--	--
SA1449	05-13-97	--	--	--	45.4	3.2	--	--
SA1448	06-12-97	--	--	--	<2.5	1.3	--	--
SA1450	05-13-97	--	--	--	37.1	2.6	--	--
SA1309	09-01-98	<.1	.3	10.9	--	--	280	105
SA1206	09-01-98	27.0	<.1	14.1	--	--	387	140
SA1443	09-01-98	<.1	.4	12.3	2.6	1.9	271	133
SA1441	09-01-98	33.4	.3	12.3	--	--	570	156
SA1434	09-02-98	.2	1.9	7.8	--	--	353	155
SA1320	09-02-98	.1	1.4	8.7	--	--	535	239
SA1435	09-02-98	<.1	1.6	7.8	--	--	553	249
SA1212	09-02-98	.1	1.4	8.1	--	--	427	152
SA1444	09-03-98	34.4	<.1	15.6	--	--	1250	175
SA1317	09-03-98	.2	2.2	8.1	--	--	440	189
SA1461	08-12-98	--	--	--	--	--	940	--
SA1459	09-01-98	53.4	<.1	15.3	--	--	839	291
SA1330	08-12-98	<.1	.2	9.5	--	--	540	110
SA1453	09-09-98	.1	1.6	5.7	--	--	470	258
SA1458	09-09-98	<.1	.7	8.5	--	--	313	151
SA1460	09-09-98	308	<.1	12.9	--	--	1150	292
SA1307	09-08-98	5.9	.1	13.1	--	--	495	89
SA1454	09-04-98	<.1	1.3	9.2	<2.5	1.9	603	216
SA1456	09-08-98	36.8	.4	10.0	44.2	3.2	616	201
SA1455	09-08-98	<.1	.6	9.0	--	--	299	153
SA1331	09-24-98	28.8	.1	11.0	--	--	1510	104
SA1463	09-25-98	6.0	.1	2.4	--	--	4300	33
SA1462	10-01-98	2.9	.9	9.6	--	--	941	346
SA1464	10-01-98	<.1	.2	12.9	--	--	463	144

CALENDAR FOR WATER YEAR 2000

1999

OCTOBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

NOVEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

DECEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

2000

JANUARY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

FEBRUARY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29				

MARCH

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

APRIL

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

MAY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JUNE

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JULY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

AUGUST

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SEPTEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
425 Jordan Road
Troy, NY 12180-8349